

# **PDC ENERGY**

**WELD COUNTY, COLORADO  
NE SW SEC. 7 T4N R64W 6th P.M.  
HONEBEIN 7G-203**

**ORIGINAL WELLBORE  
PROPOSAL #2**

## **Anticollision Report**

**09 July, 2015**



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL #2		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 98.4usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.0 us	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	09/07/2015		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	14,170.4	PROPOSAL #2 (ORIGINAL WELLBORE)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
NE SW SEC. 7 T4N R64W 6th P.M.						
ABDN VERT FARR #1 - Wellbore #1 - Wellbore #1	14,052.2	6,921.6	597.7	457.0	4.248	CC
ABDN VERT FARR #1 - Wellbore #1 - Wellbore #1	14,074.8	6,920.5	598.2	457.0	4.238	ES
ABDN VERT FARR #1 - Wellbore #1 - Wellbore #1	14,100.0	6,919.3	599.6	458.0	4.234	SF
EXIST DD NEI C18-20D - Wellbore #1 - Wellbore #1	12,162.8	7,010.5	1,249.2	1,132.3	10.684	CC
EXIST DD NEI C18-20D - Wellbore #1 - Wellbore #1	12,200.0	7,010.0	1,249.8	1,132.1	10.623	ES
EXIST DD NEI C18-20D - Wellbore #1 - Wellbore #1	12,401.5	7,007.2	1,271.8	1,150.2	10.460	SF
EXIST DD NEI C18-32D - Wellbore #1 - Wellbore #1	12,163.0	7,403.4	162.4	40.5	1.332	Level 3, CC, ES, SF
EXIST DD NEI C18-33D - Wellbore #1 - Wellbore #1	13,219.7	7,508.2	150.2	-0.5	0.997	Level 1, CC, ES, SF
EXIST VERT FARR #18-12 - Wellbore #1 - Design #1	12,740.3	6,921.6	546.9	294.8	2.170	CC, ES, SF
EXIST VERT FARR #18-14 - Wellbore #1 - Design #1	14,170.4	6,939.5	1,808.9	1,528.6	6.453	CC, ES, SF
EXIST VERT FARR #2 - Wellbore #1 - Design #1	12,648.3	6,937.1	1,770.9	1,520.5	7.071	CC
EXIST VERT FARR #2 - Wellbore #1 - Design #1	12,696.8	6,936.8	1,771.6	1,520.2	7.047	ES
EXIST VERT FARR #2 - Wellbore #1 - Design #1	12,893.7	6,935.8	1,787.9	1,532.6	7.004	SF
EXIST VERT FARR C #18-25 - Wellbore #1 - Design #1	13,360.6	6,930.5	1,254.9	990.5	4.747	CC
EXIST VERT FARR C #18-25 - Wellbore #1 - Design #1	13,385.8	6,930.4	1,255.1	990.2	4.739	ES
EXIST VERT FARR C #18-25 - Wellbore #1 - Design #1	13,484.2	6,929.9	1,260.9	994.1	4.726	SF
FRY 18-1 - Wellbore #1 - Wellbore #1	11,298.3	5,400.0	1,591.1	1,546.1	35.374	CC
FRY 18-1 - Wellbore #1 - Wellbore #1	11,318.9	5,400.0	1,591.2	1,546.0	35.229	ES
FRY 18-1 - Wellbore #1 - Wellbore #1	11,811.0	5,400.0	1,671.6	1,622.0	33.650	SF
FRY 21-18 - Wellbore #1 - Wellbore #1	9,997.5	6,921.3	1,750.8	1,689.4	28.520	CC
FRY 21-18 - Wellbore #1 - Wellbore #1	10,039.3	6,921.6	1,751.3	1,689.1	28.162	ES
FRY 21-18 - Wellbore #1 - Wellbore #1	11,000.0	6,928.9	2,017.5	1,936.8	25.000	SF
FRY 21-6I - Wellbore #1 - Wellbore #1	10,750.1	7,062.0	2,322.1	2,227.7	24.584	CC
FRY 21-6I - Wellbore #1 - Wellbore #1	10,800.0	7,062.0	2,322.7	2,227.3	24.341	ES
FRY 21-6I - Wellbore #1 - Wellbore #1	11,900.0	7,075.0	2,591.2	2,474.4	22.170	SF
FRY 22-18 - Wellbore #1 - Wellbore #1	11,296.0	6,933.8	1,701.7	1,615.1	19.652	CC
FRY 22-18 - Wellbore #1 - Wellbore #1	11,318.9	6,933.8	1,701.8	1,614.8	19.554	ES
FRY 22-18 - Wellbore #1 - Wellbore #1	11,909.4	6,932.7	1,808.8	1,710.3	18.352	SF
FRY 5 - Wellbore #1 - Wellbore #1	10,656.7	6,931.3	1,130.0	1,055.7	15.197	CC
FRY 5 - Wellbore #1 - Wellbore #1	10,700.0	6,928.7	1,130.9	1,055.7	15.041	ES
FRY 5 - Wellbore #1 - Wellbore #1	11,000.0	6,911.1	1,180.8	1,099.9	14.592	SF
FRY PM C 18-4 - Wellbore #1 - Wellbore #1	9,990.8	6,872.0	678.5	617.3	11.083	CC
FRY PM C 18-4 - Wellbore #1 - Wellbore #1	10,000.0	6,872.2	678.6	617.2	11.052	ES
FRY PM C 18-4 - Wellbore #1 - Wellbore #1	10,137.8	6,875.5	694.3	630.2	10.838	SF
HONEBEIN 13-7U - Wellbore #1 - Wellbore #1	4,411.1	4,303.7	350.2	323.8	13.269	CC
HONEBEIN 13-7U - Wellbore #1 - Wellbore #1	4,429.1	4,321.3	350.2	323.7	13.207	ES
HONEBEIN 13-7U - Wellbore #1 - Wellbore #1	4,724.4	4,607.6	357.9	329.7	12.667	SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
NE SW SEC. 7 T4N R64W 6th P.M.						
HONEBEIN 7G-323 - ORIGINAL WELLBORE - PROPOS	1,000.0	1,001.0	30.7	26.4	7.230	CC
HONEBEIN 7G-323 - ORIGINAL WELLBORE - PROPOS	14,170.4	14,210.5	267.1	-4.7	0.983	Level 1, ES, SF
HONEBEIN 7K-223 - ORIGINAL WELLBORE - PROPOS	1,000.0	1,004.0	119.9	115.6	28.216	CC, ES
HONEBEIN 7K-223 - ORIGINAL WELLBORE - PROPOS	14,170.4	14,069.3	1,478.9	1,195.7	5.222	SF
HONEBEIN 7K-243 - ORIGINAL WELLBORE - PROPOS	1,000.0	1,002.0	58.6	54.3	13.794	CC, ES
HONEBEIN 7K-243 - ORIGINAL WELLBORE - PROPOS	14,170.4	14,070.8	836.8	557.6	2.996	SF
HONEBEIN 7K-323 - ORIGINAL WELLBORE - PROPOS	1,000.0	1,005.0	150.6	146.3	35.415	CC, ES
HONEBEIN 7K-323 - ORIGINAL WELLBORE - PROPOS	14,170.4	14,150.5	1,852.4	1,569.6	6.551	SF
HONEBEIN 7K-403 - ORIGINAL WELLBORE - PROPOS	1,000.0	1,003.0	89.2	85.0	21.009	CC, ES
HONEBEIN 7K-403 - ORIGINAL WELLBORE - PROPOS	14,170.4	14,213.0	1,231.8	954.4	4.440	SF
HONEBEIN 7O-243 - ORIGINAL WELLBORE - PROPOS	986.5	992.5	178.4	174.3	42.558	CC
HONEBEIN 7O-243 - ORIGINAL WELLBORE - PROPOS	1,000.0	1,005.7	178.5	174.2	41.965	ES
HONEBEIN 7O-243 - ORIGINAL WELLBORE - PROPOS	14,170.4	14,130.1	2,117.5	1,836.8	7.544	SF
HOW SAD C 18-31 - Wellbore #1 - Design #1	10,593.9	6,912.2	292.0	81.8	1.389	Level 3, CC
HOW SAD C 18-31 - Wellbore #1 - Design #1	10,600.0	6,912.2	292.1	81.7	1.389	Level 3, ES, SF
LATHAM 7-1 - Wellbore #1 - Wellbore #1	1,328.4	1,309.1	651.2	647.6	180.414	CC, ES
LATHAM 7-1 - Wellbore #1 - Wellbore #1	8,563.0	6,961.6	1,322.4	1,286.9	37.249	SF
LATHAM 7-2 - Wellbore #1 - Wellbore #1	0.0	6.3	869.2			
LATHAM 7-2 - Wellbore #1 - Wellbore #1	689.0	692.6	869.5	867.6	454.187	ES
LATHAM 7-2 - Wellbore #1 - Wellbore #1	11,712.6	6,900.0	4,457.6	4,362.8	46.989	SF
LATHAM 7-3 - Wellbore #1 - Wellbore #1	8,668.1	6,962.1	610.0	572.7	16.321	CC, ES
LATHAM 7-3 - Wellbore #1 - Wellbore #1	8,858.2	6,963.5	639.0	598.3	15.694	SF
LATHAM 7-4 - Wellbore #1 - Wellbore #1	8,741.2	6,936.6	1,646.0	1,607.5	42.710	CC
LATHAM 7-4 - Wellbore #1 - Wellbore #1	8,759.8	6,936.7	1,646.1	1,607.3	42.354	ES
LATHAM 7-4 - Wellbore #1 - Wellbore #1	10,100.0	6,941.2	2,134.5	2,070.8	33.534	SF
SE SE SEC. 18 T4N R64W 6th P.M.						
COLLINS 18Q-301 - ORIGINAL WELLBORE - PROPOS	9,906.0	11,613.7	2,505.3	2,358.0	17.011	CC
COLLINS 18Q-301 - ORIGINAL WELLBORE - PROPOS	9,940.9	11,588.3	2,505.4	2,357.9	16.990	ES
COLLINS 18Q-301 - ORIGINAL WELLBORE - PROPOS	14,170.4	7,351.9	2,521.6	2,361.5	15.750	SF
NEI C17-33D - Wellbore #1 - Wellbore #1	13,078.0	5,340.4	4,378.0	4,248.8	33.883	CC
NEI C17-33D - Wellbore #1 - Wellbore #1	13,188.9	5,355.4	4,379.4	4,247.9	33.321	ES
NEI C17-33D - Wellbore #1 - Wellbore #1	14,170.4	5,479.0	4,509.7	4,358.6	29.840	SF
NEI C18-21D - Wellbore #1 - Wellbore #1	11,902.4	7,002.0	2,619.6	2,507.1	23.289	CC
NEI C18-21D - Wellbore #1 - Wellbore #1	11,909.4	7,002.0	2,619.6	2,507.0	23.261	ES
NEI C18-21D - Wellbore #1 - Wellbore #1	13,100.0	7,001.5	2,880.4	2,744.4	21.178	SF
NEI C18-22D - Wellbore #1 - Wellbore #1	11,936.5	7,183.0	3,707.7	3,591.8	31.989	CC
NEI C18-22D - Wellbore #1 - Wellbore #1	12,007.8	7,182.4	3,708.4	3,591.1	31.614	ES
NEI C18-22D - Wellbore #1 - Wellbore #1	14,170.4	7,162.9	4,328.6	4,168.8	27.091	SF
NEI C18-23D - Wellbore #1 - Wellbore #1	13,417.0	7,394.9	3,758.1	3,601.5	23.993	CC
NEI C18-23D - Wellbore #1 - Wellbore #1	13,484.2	7,391.9	3,758.7	3,600.7	23.795	ES
NEI C18-23D - Wellbore #1 - Wellbore #1	14,170.4	7,364.6	3,832.8	3,661.3	22.359	SF
NEI C18-24D - Wellbore #1 - Wellbore #1	13,234.2	7,072.3	2,615.1	2,468.4	17.828	CC
NEI C18-24D - Wellbore #1 - Wellbore #1	13,287.4	7,072.5	2,615.6	2,467.9	17.705	ES
NEI C18-24D - Wellbore #1 - Wellbore #1	14,100.0	7,075.3	2,754.7	2,590.9	16.819	SF
OSTER C19-27D - Wellbore #1 - Wellbore #1	14,170.4	6,557.7	3,702.1	3,523.8	20.759	CC, ES, SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - ABDN VERT FARR #1 - Wellbore #1 - Wellbore #1													Offset Site Error: 0.0 usft	
Survey Program: 100-GYD_CT													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-175.15	-6,940.0	-588.5	6,964.9					
98.4	98.4	108.3	108.3	0.1	0.1	-175.15	-6,939.9	-588.3	6,964.8	6,964.7	0.16	N/A		
100.0	100.0	110.0	110.0	0.1	0.1	-175.15	-6,939.9	-588.3	6,964.8	6,964.6	0.16	N/A		
196.8	196.8	209.6	209.6	0.3	0.2	-175.16	-6,939.7	-588.0	6,964.6	6,964.0	0.54	N/A		
200.0	200.0	212.5	212.5	0.3	0.2	-175.16	-6,939.7	-588.0	6,964.5	6,964.0	0.55	N/A		
295.3	295.3	300.0	300.0	0.5	0.3	-175.16	-6,939.5	-587.9	6,964.3	6,963.5	0.84	8,333.331		
300.0	300.0	303.9	303.9	0.5	0.3	-175.16	-6,939.5	-587.9	6,964.3	6,963.5	0.85	8,209.894		
393.7	393.7	391.3	391.3	0.8	0.3	-175.16	-6,939.4	-587.7	6,964.2	6,963.1	1.10	6,318.504		
400.0	400.0	400.0	400.0	0.8	0.4	-175.16	-6,939.4	-587.7	6,964.2	6,963.1	1.12	6,214.411		
423.0	423.0	416.5	416.5	0.8	0.4	-175.16	-6,939.4	-587.6	6,964.2	6,963.0	1.18	5,889.728		
492.1	492.1	473.6	473.6	1.0	0.4	-175.16	-6,939.5	-587.3	6,964.3	6,962.9	1.37	5,075.635		
500.0	500.0	480.1	480.1	1.0	0.4	-175.16	-6,939.5	-587.3	6,964.3	6,962.9	1.39	4,996.904		
590.5	590.5	561.6	561.6	1.2	0.4	-175.17	-6,939.7	-586.9	6,964.5	6,962.9	1.64	4,236.127		
600.0	600.0	570.3	570.3	1.2	0.5	-175.17	-6,939.8	-586.9	6,964.6	6,962.9	1.67	4,169.701		
689.0	689.0	651.0	651.0	1.4	0.5	-175.17	-6,940.1	-586.5	6,964.9	6,963.0	1.91	3,645.722		
700.0	700.0	660.9	660.9	1.4	0.5	-175.17	-6,940.2	-586.4	6,965.0	6,963.0	1.94	3,590.644		
787.4	787.4	739.8	739.8	1.6	0.5	-175.17	-6,940.6	-586.2	6,965.4	6,963.3	2.17	3,207.779		
800.0	800.0	751.3	751.3	1.7	0.5	-175.17	-6,940.7	-586.2	6,965.5	6,963.3	2.20	3,159.192		
885.8	885.8	831.3	831.2	1.9	0.6	-175.17	-6,941.2	-586.0	6,966.1	6,963.6	2.43	2,865.195		
900.0	900.0	844.9	844.9	1.9	0.6	-175.18	-6,941.3	-585.9	6,966.2	6,963.7	2.47	2,822.041		
984.2	984.2	924.5	924.4	2.1	0.6	-175.18	-6,941.9	-585.8	6,966.8	6,964.1	2.69	2,591.650		
1,000.0	1,000.0	938.6	938.6	2.1	0.6	-175.18	-6,942.0	-585.8	6,966.9	6,964.2	2.73	2,553.194		
1,082.7	1,082.7	1,012.6	1,012.6	2.3	0.6	-97.84	-6,942.7	-585.6	6,967.8	6,964.9	2.92	2,389.523		
1,100.0	1,100.0	1,027.8	1,027.8	2.3	0.6	-97.84	-6,942.8	-585.6	6,968.0	6,965.0	2.96	2,354.678		
1,181.1	1,181.0	1,100.0	1,100.0	2.5	0.7	-97.85	-6,943.5	-585.5	6,969.4	6,966.2	3.16	2,206.118		
1,200.0	1,199.8	1,119.4	1,119.3	2.5	0.7	-97.85	-6,943.8	-585.5	6,969.7	6,966.5	3.21	2,173.630		
1,279.5	1,279.1	1,204.8	1,204.8	2.7	0.7	-97.87	-6,944.6	-585.5	6,971.5	6,968.1	3.42	2,039.636		
1,300.0	1,299.5	1,226.4	1,226.4	2.8	0.7	-97.88	-6,944.8	-585.6	6,972.0	6,968.5	3.47	2,007.913		
1,377.9	1,376.9	1,308.5	1,308.5	3.0	0.8	-97.92	-6,945.6	-585.7	6,973.9	6,970.3	3.69	1,887.499		
1,400.0	1,398.7	1,331.8	1,331.7	3.0	0.8	-97.93	-6,945.8	-585.8	6,974.6	6,970.8	3.76	1,856.105		
1,476.4	1,474.2	1,414.9	1,414.9	3.2	0.8	-97.99	-6,946.4	-586.1	6,976.8	6,972.8	4.00	1,744.869		
1,500.0	1,497.5	1,445.7	1,445.6	3.3	0.8	-98.02	-6,946.6	-586.2	6,977.6	6,973.5	4.07	1,712.766		
1,574.8	1,571.0	1,542.6	1,542.6	3.5	0.8	-98.11	-6,947.1	-586.8	6,979.9	6,975.6	4.34	1,608.073		
1,600.0	1,595.6	1,575.2	1,575.1	3.6	0.8	-98.15	-6,947.1	-586.9	6,980.7	6,976.3	4.43	1,575.854		
1,673.2	1,667.0	1,668.6	1,668.6	3.9	0.8	-98.27	-6,947.2	-587.3	6,983.1	6,978.4	4.71	1,483.580		
1,700.0	1,693.1	1,702.2	1,702.1	4.0	0.8	-98.31	-6,947.1	-587.3	6,984.0	6,979.2	4.81	1,453.084		
1,735.7	1,727.6	1,740.5	1,740.4	4.1	0.8	-98.37	-6,947.0	-587.2	6,985.2	6,980.3	4.96	1,409.075		
1,771.6	1,762.4	1,779.0	1,778.9	4.3	0.9	-98.45	-6,946.9	-587.2	6,986.5	6,981.4	5.12	1,365.531		
1,800.0	1,789.8	1,810.3	1,810.2	4.4	0.9	-98.51	-6,946.8	-587.1	6,987.5	6,982.3	5.24	1,333.015		
1,870.1	1,857.6	1,893.1	1,893.1	4.7	0.9	-98.68	-6,946.4	-586.9	6,989.9	6,984.3	5.57	1,255.372		
1,900.0	1,886.6	1,922.9	1,922.8	4.8	0.9	-98.75	-6,946.2	-586.8	6,990.9	6,985.2	5.71	1,225.085		
1,968.5	1,952.8	1,987.9	1,987.9	5.2	0.9	-98.88	-6,945.8	-586.6	6,993.2	6,987.2	6.04	1,158.673		
2,000.0	1,983.3	2,016.0	2,015.9	5.3	0.9	-98.94	-6,945.7	-586.5	6,994.3	6,988.1	6.19	1,130.599		
2,066.9	2,048.0	2,072.8	2,072.8	5.6	0.9	-99.06	-6,945.4	-586.3	6,996.7	6,990.2	6.52	1,073.816		
2,100.0	2,080.0	2,100.0	2,100.0	5.8	0.9	-99.12	-6,945.3	-586.1	6,997.9	6,991.3	6.68	1,047.856		
2,165.3	2,143.2	2,160.4	2,160.3	6.1	0.9	-99.24	-6,945.1	-585.7	7,000.4	6,993.4	7.01	998.634		
2,200.0	2,176.7	2,191.9	2,191.8	6.3	0.9	-99.31	-6,945.0	-585.5	7,001.8	6,994.6	7.19	974.404		
2,263.8	2,238.4	2,253.8	2,253.8	6.6	1.0	-99.44	-6,944.8	-585.1	7,004.3	6,996.8	7.52	932.014		
2,300.0	2,273.4	2,289.4	2,289.3	6.8	1.0	-99.51	-6,944.7	-584.9	7,005.8	6,998.1	7.70	909.551		
2,362.2	2,333.6	2,340.2	2,340.2	7.1	1.0	-99.62	-6,944.6	-584.6	7,008.3	7,000.3	8.03	873.247		
2,400.0	2,370.2	2,369.8	2,369.7	7.3	1.0	-99.68	-6,944.6	-584.4	7,009.9	7,001.7	8.22	852.626		
2,460.6	2,428.8	2,418.1	2,418.1	7.6	1.0	-99.78	-6,944.6	-584.2	7,012.6	7,004.1	8.54	821.213		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - ABDN VERT FARR #1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,466.9	2,450.5	2,450.5	7.8	1.0	-99.85	-6,944.6	-584.0	7,014.4	7,005.6	8.75	802.047	
2,559.0	2,524.0	2,500.0	2,499.9	8.1	1.0	-99.95	-6,944.7	-583.9	7,017.2	7,008.1	9.06	774.693	
2,600.0	2,563.6	2,537.9	2,537.8	8.3	1.0	-100.03	-6,944.8	-583.8	7,019.2	7,009.9	9.28	756.663	
2,657.5	2,619.2	2,592.4	2,592.3	8.6	1.1	-100.14	-6,945.0	-583.6	7,022.0	7,012.4	9.59	732.567	
2,700.0	2,660.3	2,631.2	2,631.2	8.8	1.1	-100.22	-6,945.1	-583.5	7,024.1	7,014.3	9.81	715.786	
2,755.9	2,714.4	2,681.9	2,681.8	9.1	1.1	-100.33	-6,945.3	-583.4	7,026.9	7,016.8	10.11	694.786	
2,800.0	2,757.0	2,721.1	2,721.1	9.4	1.1	-100.41	-6,945.5	-583.3	7,029.1	7,018.8	10.35	679.054	
2,854.3	2,809.6	2,768.7	2,768.7	9.6	1.1	-100.51	-6,945.7	-583.3	7,032.0	7,021.3	10.65	660.527	
2,900.0	2,853.8	2,808.9	2,808.8	9.9	1.1	-100.59	-6,945.9	-583.3	7,034.4	7,023.5	10.89	645.733	
2,952.7	2,904.8	2,855.8	2,855.7	10.2	1.1	-100.68	-6,946.2	-583.3	7,037.3	7,026.1	11.18	629.392	
3,000.0	2,950.5	2,900.0	2,899.9	10.4	1.1	-100.77	-6,946.4	-583.3	7,039.9	7,028.5	11.44	615.434	
3,051.2	3,000.0	2,942.3	2,942.3	10.7	1.2	-100.86	-6,946.7	-583.3	7,042.8	7,031.1	11.72	601.020	
3,100.0	3,047.2	2,984.8	2,984.7	10.9	1.2	-100.95	-6,947.1	-583.4	7,045.6	7,033.6	11.98	587.878	
3,149.6	3,095.2	3,029.6	3,029.6	11.2	1.2	-101.04	-6,947.4	-583.4	7,048.5	7,036.2	12.26	575.060	
3,200.0	3,143.9	3,076.3	3,076.2	11.5	1.2	-101.13	-6,947.8	-583.4	7,051.5	7,038.9	12.53	562.600	
3,248.0	3,190.4	3,123.5	3,123.4	11.7	1.2	-101.23	-6,948.2	-583.5	7,054.4	7,041.6	12.80	551.184	
3,300.0	3,240.6	3,178.1	3,178.0	12.0	1.2	-101.34	-6,948.7	-583.6	7,057.5	7,044.4	13.09	539.328	
3,346.4	3,285.6	3,222.8	3,222.8	12.3	1.2	-101.43	-6,949.0	-583.8	7,060.2	7,046.9	13.34	529.183	
3,400.0	3,337.4	3,270.6	3,270.5	12.5	1.2	-101.52	-6,949.4	-584.0	7,063.5	7,049.9	13.64	518.003	
3,444.9	3,380.8	3,312.0	3,312.0	12.8	1.2	-101.60	-6,949.8	-584.2	7,066.3	7,052.4	13.88	508.977	
3,500.0	3,434.1	3,367.6	3,367.5	13.1	1.2	-101.71	-6,950.3	-584.6	7,069.7	7,055.5	14.19	498.294	
3,543.3	3,476.0	3,409.2	3,409.1	13.3	1.3	-101.79	-6,950.6	-584.9	7,072.4	7,057.9	14.43	490.224	
3,600.0	3,530.8	3,456.0	3,455.9	13.6	1.3	-101.89	-6,951.0	-585.2	7,075.9	7,061.2	14.74	480.116	
3,641.7	3,571.2	3,490.4	3,490.3	13.8	1.3	-101.95	-6,951.4	-585.5	7,078.6	7,063.7	14.97	472.942	
3,700.0	3,627.5	3,550.6	3,550.5	14.2	1.3	-102.07	-6,952.0	-586.1	7,082.4	7,067.1	15.29	463.233	
3,740.1	3,666.4	3,594.1	3,594.0	14.4	1.3	-102.15	-6,952.4	-586.6	7,085.0	7,069.5	15.51	456.761	
3,800.0	3,724.2	3,645.2	3,645.1	14.7	1.3	-102.25	-6,952.9	-587.4	7,089.0	7,073.1	15.84	447.554	
3,838.6	3,761.6	3,677.3	3,677.2	14.9	1.3	-102.31	-6,953.3	-588.0	7,091.5	7,075.5	16.05	441.822	
3,900.0	3,821.0	3,756.6	3,756.4	15.2	1.3	-102.45	-6,954.1	-588.8	7,095.6	7,079.2	16.39	432.906	
3,937.0	3,856.8	3,811.1	3,810.9	15.4	1.3	-102.55	-6,954.4	-591.1	7,098.0	7,081.4	16.60	427.688	
4,000.0	3,917.7	3,876.0	3,875.8	15.8	1.3	-102.67	-6,954.8	-592.5	7,101.9	7,085.0	16.94	419.224	
4,035.4	3,951.9	3,914.7	3,914.6	16.0	1.3	-102.74	-6,955.0	-593.4	7,104.2	7,087.0	17.13	414.608	
4,100.0	4,014.4	3,993.0	3,992.8	16.3	1.4	-102.89	-6,955.3	-595.0	7,108.1	7,090.6	17.49	406.442	
4,133.8	4,047.1	4,033.8	4,033.6	16.5	1.4	-102.96	-6,955.3	-595.8	7,110.2	7,092.5	17.67	402.306	
4,200.0	4,111.1	4,110.7	4,110.5	16.9	1.4	-103.11	-6,955.3	-596.9	7,114.1	7,096.0	18.03	394.486	
4,232.3	4,142.3	4,141.6	4,141.4	17.0	1.4	-103.17	-6,955.3	-597.2	7,116.0	7,097.8	18.21	390.800	
4,300.0	4,207.8	4,206.4	4,206.2	17.4	1.4	-103.29	-6,955.3	-597.8	7,120.0	7,101.4	18.58	383.296	
4,330.7	4,237.5	4,235.3	4,235.0	17.6	1.4	-103.35	-6,955.3	-598.1	7,121.8	7,103.1	18.74	379.991	
4,400.0	4,304.6	4,300.0	4,299.8	17.9	1.4	-103.47	-6,955.3	-598.7	7,126.0	7,106.9	19.12	372.747	
4,429.1	4,332.7	4,300.0	4,299.8	18.1	1.4	-103.47	-6,955.3	-598.7	7,127.8	7,108.5	19.27	369.836	
4,500.0	4,401.3	4,361.5	4,361.3	18.5	1.4	-103.59	-6,955.4	-599.1	7,132.4	7,112.7	19.66	362.851	
4,527.5	4,427.9	4,378.3	4,378.1	18.6	1.4	-103.62	-6,955.5	-599.1	7,134.2	7,114.4	19.80	360.224	
4,600.0	4,498.0	4,425.9	4,425.7	19.0	1.4	-103.72	-6,955.9	-599.2	7,139.3	7,119.1	20.20	353.451	
4,626.0	4,523.1	4,444.1	4,443.9	19.2	1.4	-103.75	-6,956.0	-599.2	7,141.1	7,120.8	20.34	351.068	
4,700.0	4,594.7	4,500.0	4,499.8	19.6	1.4	-103.86	-6,956.7	-599.3	7,146.7	7,125.9	20.75	344.452	
4,724.4	4,618.3	4,500.0	4,499.8	19.7	1.4	-103.86	-6,956.7	-599.3	7,148.5	7,127.7	20.88	342.393	
4,800.0	4,691.5	4,562.6	4,562.4	20.1	1.5	-103.99	-6,957.7	-599.3	7,154.5	7,133.2	21.29	335.977	
4,822.8	4,713.5	4,577.8	4,577.6	20.2	1.5	-104.02	-6,957.9	-599.3	7,156.4	7,134.9	21.42	334.104	
4,900.0	4,788.2	4,625.8	4,625.6	20.7	1.5	-104.11	-6,958.9	-599.2	7,162.9	7,141.0	21.84	327.949	
4,921.2	4,808.7	4,638.3	4,638.1	20.8	1.5	-104.14	-6,959.1	-599.1	7,164.7	7,142.7	21.96	326.301	
5,000.0	4,884.9	4,700.0	4,699.7	21.2	1.5	-104.26	-6,960.7	-598.5	7,171.8	7,149.4	22.39	320.312	
5,019.7	4,903.9	4,700.0	4,699.7	21.3	1.5	-104.26	-6,960.7	-598.5	7,173.6	7,151.1	22.50	318.896	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - ABDN VERT FARR #1 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
5,100.0	4,981.6	4,759.6	4,759.3	21.8	1.5	-104.39	-6,962.4	-597.7	7,181.2	7,158.3	22.94	313.106		
5,118.1	4,999.1	4,774.3	4,774.0	21.8	1.5	-104.42	-6,962.8	-597.5	7,183.0	7,159.9	23.03	311.829		
5,200.0	5,078.3	4,839.6	4,839.3	22.3	1.5	-104.55	-6,964.9	-596.7	7,191.0	7,167.5	23.48	306.201		
5,216.5	5,094.3	4,852.7	4,852.4	22.4	1.5	-104.58	-6,965.3	-596.6	7,192.6	7,169.0	23.58	305.094		
5,300.0	5,175.1	4,938.4	4,938.0	22.8	1.6	-104.75	-6,968.1	-596.1	7,201.0	7,177.0	24.04	299.587		
5,314.9	5,189.5	4,962.4	4,962.0	22.9	1.6	-104.80	-6,968.9	-596.1	7,202.5	7,178.4	24.12	298.603		
5,400.0	5,271.8	5,079.4	5,078.9	23.4	1.6	-105.03	-6,972.1	-595.8	7,210.7	7,186.1	24.59	293.179		
5,413.4	5,284.7	5,096.6	5,096.1	23.5	1.6	-105.06	-6,972.6	-595.8	7,211.9	7,187.3	24.67	292.347		
5,500.0	5,368.5	5,201.6	5,201.1	23.9	1.6	-105.26	-6,975.1	-595.7	7,220.0	7,194.8	25.15	287.084		
5,511.8	5,379.9	5,215.1	5,214.6	24.0	1.6	-105.29	-6,975.4	-595.7	7,221.1	7,195.9	25.21	286.383		
5,600.0	5,465.2	5,323.1	5,322.5	24.5	1.7	-105.50	-6,977.6	-595.8	7,229.1	7,203.4	25.70	281.253		
5,610.2	5,475.1	5,340.4	5,339.9	24.5	1.7	-105.53	-6,977.9	-595.9	7,230.0	7,204.2	25.76	280.665		
5,647.2	5,510.9	5,400.0	5,399.5	24.7	1.7	-105.64	-6,978.9	-596.3	7,233.2	7,207.2	25.97	278.564		
5,700.0	5,562.1	5,450.5	5,450.0	25.0	1.7	-105.82	-6,979.7	-596.9	7,237.6	7,211.4	26.20	276.211		
5,708.6	5,570.5	5,458.5	5,458.0	25.0	1.7	-105.85	-6,979.8	-597.0	7,238.3	7,212.1	26.23	275.918		
5,800.0	5,659.6	5,612.9	5,612.3	25.3	1.7	-106.22	-6,981.6	-598.3	7,245.0	7,218.4	26.56	272.752		
5,807.1	5,666.6	5,619.4	5,618.9	25.4	1.7	-106.24	-6,981.7	-598.4	7,245.4	7,218.9	26.58	272.547		
5,900.0	5,757.9	5,707.2	5,706.6	25.7	1.8	-106.46	-6,982.2	-599.0	7,250.9	7,224.0	26.87	269.858		
5,905.5	5,763.3	5,713.7	5,713.1	25.7	1.8	-106.47	-6,982.3	-599.1	7,251.2	7,224.3	26.88	269.721		
6,000.0	5,856.7	5,821.0	5,820.5	26.0	1.8	-106.67	-6,982.9	-599.9	7,255.7	7,228.6	27.14	267.373		
6,003.9	5,860.6	5,825.0	5,824.4	26.0	1.8	-106.68	-6,982.9	-600.0	7,255.9	7,228.8	27.15	267.293		
6,100.0	5,956.1	5,918.4	5,917.8	26.2	1.8	-106.83	-6,983.3	-600.5	7,259.5	7,232.1	27.36	265.303		
6,102.3	5,958.4	5,920.4	5,919.8	26.2	1.8	-106.83	-6,983.3	-600.5	7,259.6	7,232.2	27.37	265.264		
6,200.0	6,055.7	6,009.0	6,008.4	26.4	1.8	-106.93	-6,983.8	-601.0	7,262.4	7,234.8	27.55	263.600		
6,200.8	6,056.5	6,010.1	6,009.5	26.4	1.8	-106.93	-6,983.8	-601.0	7,262.4	7,234.9	27.55	263.590		
6,299.2	6,154.8	6,132.1	6,131.5	26.5	1.9	-107.00	-6,984.3	-601.9	7,264.1	7,236.4	27.70	262.211		
6,300.0	6,155.6	6,132.9	6,132.3	26.5	1.9	-107.00	-6,984.3	-601.9	7,264.1	7,236.4	27.70	262.200		
6,382.9	6,238.5	6,218.4	6,217.9	26.6	1.9	175.66	-6,984.6	-602.3	7,264.6	7,236.9	27.78	261.487		
6,397.6	6,253.2	6,242.2	6,241.6	26.6	1.9	175.66	-6,984.6	-602.3	7,264.7	7,236.9	27.80	261.335		
6,400.0	6,255.6	6,246.0	6,245.4	26.6	1.9	175.66	-6,984.6	-602.3	7,264.7	7,236.9	27.80	261.311		
6,412.9	6,268.5	6,266.7	6,266.1	26.6	1.9	175.66	-6,984.6	-602.3	7,264.7	7,236.8	27.82	261.166		
6,450.0	6,305.6	6,325.0	6,324.4	26.7	1.9	-4.57	-6,984.4	-601.8	7,263.6	7,235.8	27.83	260.970		
6,496.0	6,351.5	6,394.7	6,394.1	26.7	1.9	-4.60	-6,984.0	-600.7	7,259.5	7,231.7	27.82	260.970		
6,500.0	6,355.4	6,400.6	6,400.0	26.7	1.9	-4.61	-6,983.9	-600.6	7,259.0	7,231.2	27.82	260.972		
6,550.0	6,404.8	6,468.5	6,467.9	26.7	1.9	-4.68	-6,983.2	-598.9	7,250.9	7,223.1	27.77	261.074		
6,594.5	6,448.1	6,530.3	6,529.6	26.8	1.9	-4.78	-6,982.4	-597.1	7,240.6	7,212.9	27.70	261.374		
6,600.0	6,453.5	6,538.2	6,537.5	26.8	1.9	-4.79	-6,982.3	-596.9	7,239.2	7,211.5	27.69	261.432		
6,650.0	6,501.3	6,607.7	6,606.9	26.8	1.9	-4.93	-6,981.2	-594.5	7,223.9	7,196.4	27.55	262.211		
6,692.9	6,541.4	6,659.1	6,658.4	26.8	1.9	-5.08	-6,980.2	-592.6	7,208.2	7,180.8	27.37	263.360		
6,700.0	6,548.0	6,667.5	6,666.8	26.8	1.9	-5.11	-6,980.0	-592.3	7,205.3	7,178.0	27.33	263.599		
6,750.0	6,593.3	6,721.1	6,720.3	26.8	1.9	-5.32	-6,978.9	-590.3	7,183.5	7,156.5	27.03	265.722		
6,791.3	6,629.6	6,759.4	6,758.5	26.8	1.9	-5.53	-6,978.0	-588.8	7,163.1	7,136.4	26.72	268.115		
6,800.0	6,637.0	6,767.2	6,766.4	26.8	1.9	-5.58	-6,977.9	-588.5	7,158.5	7,131.9	26.64	268.698		
6,850.0	6,679.0	6,917.6	6,916.6	26.8	1.9	-6.00	-6,973.5	-582.3	7,130.4	7,104.2	26.26	271.514		
6,889.7	6,710.9	6,950.3	6,949.2	26.8	1.9	-6.30	-6,972.2	-581.0	7,105.8	7,079.9	25.82	275.154		
6,900.0	6,718.9	6,958.5	6,957.4	26.8	1.9	-6.39	-6,971.9	-580.7	7,099.1	7,073.4	25.70	276.213		
6,950.0	6,756.7	6,997.0	6,995.8	26.8	1.9	-6.87	-6,970.5	-579.3	7,065.2	7,040.1	25.06	281.982		
6,988.2	6,783.9	7,000.0	6,998.8	26.8	1.9	-7.26	-6,970.4	-579.2	7,037.6	7,013.2	24.48	287.496		
7,000.0	6,792.0	7,000.0	6,998.8	26.8	1.9	-7.40	-6,970.4	-579.2	7,028.8	7,004.5	24.29	289.391		
7,050.0	6,824.8	7,000.0	6,998.8	26.8	1.9	-8.05	-6,970.4	-579.2	6,990.4	6,966.9	23.44	298.187		
7,086.6	6,847.2	7,000.0	6,998.8	26.8	1.9	-8.62	-6,970.4	-579.2	6,960.9	6,938.1	22.79	305.451		
7,100.0	6,854.9	7,000.0	6,998.8	26.8	1.9	-8.86	-6,970.4	-579.2	6,949.9	6,927.4	22.53	308.408		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - ABDN VERT FARR #1 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
7,150.0	6,882.2	7,000.0	6,998.8	26.8	1.9	-9.89	-6,970.4	-579.2	6,907.6	6,886.0	21.58	320.100		
7,185.0	6,899.5	7,000.0	6,998.8	26.8	1.9	-10.79	-6,970.4	-579.2	6,877.0	6,856.1	20.89	329.191		
7,200.0	6,906.5	7,000.0	6,998.8	26.9	1.9	-11.24	-6,970.4	-579.2	6,863.7	6,843.1	20.60	333.228		
7,250.0	6,927.6	7,000.0	6,998.8	26.9	1.9	-13.06	-6,970.4	-579.2	6,818.3	6,798.7	19.62	347.572		
7,283.4	6,940.0	7,000.0	6,998.8	27.0	1.9	-14.68	-6,970.4	-579.2	6,787.2	6,768.2	18.98	357.574		
7,300.0	6,945.5	7,000.0	6,998.8	27.0	1.9	-15.64	-6,970.4	-579.2	6,771.6	6,753.0	18.68	362.506		
7,350.0	6,960.2	7,000.0	6,998.8	27.1	1.9	-19.51	-6,970.4	-579.2	6,723.9	6,706.1	17.87	376.276		
7,381.9	6,967.8	7,000.0	6,998.8	27.2	1.9	-23.14	-6,970.4	-579.2	6,693.0	6,675.5	17.50	382.440		
7,400.0	6,971.5	7,000.0	6,998.8	27.2	1.9	-25.84	-6,970.4	-579.2	6,675.3	6,658.0	17.38	384.001		
7,450.0	6,979.3	7,000.0	6,998.8	27.4	1.9	-37.49	-6,970.4	-579.2	6,626.1	6,608.4	17.75	373.208		
7,480.3	6,982.4	7,000.0	6,998.8	27.5	1.9	-49.92	-6,970.4	-579.2	6,596.1	6,577.3	18.77	351.406		
7,500.0	6,983.7	7,000.0	6,998.8	27.5	1.9	-61.57	-6,970.4	-579.2	6,576.5	6,556.9	19.68	334.102		
7,541.4	6,984.7	7,000.0	6,998.8	27.7	1.9	-95.00	-6,970.4	-579.2	6,535.3	6,513.6	21.72	300.889		
7,578.7	6,984.5	7,000.0	6,998.8	27.9	1.9	-95.00	-6,970.4	-579.2	6,498.2	6,476.1	22.09	294.105		
7,600.0	6,984.4	7,000.0	6,998.8	28.0	1.9	-95.00	-6,970.4	-579.2	6,477.0	6,454.7	22.31	290.341		
7,677.1	6,984.0	7,000.0	6,998.8	28.5	1.9	-95.00	-6,970.4	-579.2	6,400.2	6,377.0	23.13	276.704		
7,700.0	6,983.9	7,000.0	6,998.8	28.6	1.9	-95.00	-6,970.4	-579.2	6,377.4	6,354.0	23.37	272.847		
7,775.6	6,983.5	7,000.0	6,998.8	29.2	1.9	-95.00	-6,970.4	-579.2	6,302.2	6,277.9	24.24	259.947		
7,800.0	6,983.4	7,000.0	6,998.8	29.4	1.9	-95.00	-6,970.4	-579.2	6,277.9	6,253.3	24.53	255.972		
7,874.0	6,983.1	7,000.0	6,998.8	30.0	1.9	-95.00	-6,970.4	-579.2	6,204.2	6,178.8	25.46	243.695		
7,900.0	6,982.9	7,000.0	6,998.8	30.3	1.9	-95.00	-6,970.4	-579.2	6,178.3	6,152.6	25.79	239.591		
7,972.4	6,982.6	7,000.0	6,998.8	31.0	1.9	-95.00	-6,970.4	-579.2	6,106.3	6,079.5	26.77	228.119		
8,000.0	6,982.4	7,000.0	6,998.8	31.3	1.9	-95.00	-6,970.4	-579.2	6,078.8	6,051.7	27.14	223.968		
8,070.8	6,982.1	7,000.0	6,998.8	32.1	1.9	-95.00	-6,970.4	-579.2	6,008.3	5,980.2	28.16	213.388		
8,100.0	6,982.0	7,000.0	6,998.8	32.4	1.9	-95.00	-6,970.4	-579.2	5,979.3	5,950.7	28.57	209.252		
8,169.3	6,981.6	7,000.0	6,998.8	33.2	1.9	-95.00	-6,970.4	-579.2	5,910.4	5,880.8	29.61	199.582		
8,200.0	6,981.5	7,000.0	6,998.8	33.6	1.9	-95.00	-6,970.4	-579.2	5,879.8	5,849.8	30.07	195.506		
8,267.7	6,981.1	7,000.0	6,998.8	34.5	1.9	-95.00	-6,970.4	-579.2	5,812.5	5,781.4	31.13	186.724		
8,300.0	6,981.0	7,000.0	6,998.8	34.9	1.9	-95.00	-6,970.4	-579.2	5,780.4	5,748.7	31.63	182.739		
8,366.1	6,980.7	7,000.0	6,998.8	35.8	1.9	-95.00	-6,970.4	-579.2	5,714.6	5,681.9	32.69	174.795		
8,400.0	6,980.5	7,000.0	6,998.8	36.3	1.9	-95.00	-6,970.4	-579.2	5,680.9	5,647.7	33.24	170.921		
8,464.5	6,980.2	7,000.0	6,998.8	37.2	1.9	-95.00	-6,970.4	-579.2	5,616.7	5,582.4	34.30	163.754		
8,500.0	6,980.0	7,000.0	6,998.8	37.7	1.9	-95.00	-6,970.4	-579.2	5,581.5	5,546.6	34.88	160.003		
8,563.0	6,979.7	7,000.0	6,998.8	38.6	1.9	-95.00	-6,970.4	-579.2	5,518.9	5,483.0	35.94	153.546		
8,600.0	6,979.5	7,000.0	6,998.8	39.1	1.9	-95.00	-6,970.4	-579.2	5,482.1	5,445.5	36.57	149.924		
8,661.4	6,979.2	7,000.0	6,998.8	40.1	1.9	-95.00	-6,970.4	-579.2	5,421.1	5,383.5	37.62	144.112		
8,700.0	6,979.0	7,000.0	6,998.8	40.7	1.9	-95.00	-6,970.4	-579.2	5,382.7	5,344.4	38.28	140.621		
8,759.8	6,978.7	7,000.0	6,998.8	41.6	1.9	-95.00	-6,970.4	-579.2	5,323.3	5,284.0	39.32	135.389		
8,800.0	6,978.5	7,000.0	6,998.8	42.2	1.9	-95.00	-6,970.4	-579.2	5,283.4	5,243.3	40.02	132.027		
8,858.2	6,978.2	7,000.0	6,998.8	43.1	1.9	-95.00	-6,970.4	-579.2	5,225.5	5,184.4	41.04	127.316		
8,900.0	6,978.0	7,000.0	6,998.8	43.8	1.9	-95.00	-6,970.4	-579.2	5,184.0	5,142.2	41.78	124.082		
8,956.7	6,977.8	7,000.0	6,998.8	44.7	1.9	-95.00	-6,970.4	-579.2	5,127.7	5,084.9	42.79	119.838		
9,000.0	6,977.5	7,000.0	6,998.8	45.4	1.9	-95.01	-6,970.4	-579.2	5,084.7	5,041.1	43.56	116.727		
9,055.1	6,977.3	7,000.0	6,998.8	46.3	1.9	-95.01	-6,970.4	-579.2	5,030.0	4,985.4	44.55	112.901		
9,100.0	6,977.1	7,000.0	6,998.8	47.1	1.9	-95.01	-6,970.4	-579.2	4,985.4	4,940.1	45.36	109.907		
9,153.5	6,976.8	7,000.0	6,998.8	48.0	1.9	-95.01	-6,970.4	-579.2	4,932.3	4,886.0	46.33	106.456		
9,200.0	6,976.6	7,000.0	6,998.8	48.8	1.9	-95.01	-6,970.4	-579.2	4,886.2	4,839.0	47.18	103.575		
9,251.9	6,976.3	7,000.0	6,998.8	49.7	1.9	-95.01	-6,970.4	-579.2	4,834.6	4,786.5	48.13	100.459		
9,300.0	6,976.1	7,000.0	6,998.8	50.5	1.9	-95.01	-6,970.4	-579.2	4,787.0	4,738.0	49.00	97.685		
9,350.4	6,975.8	7,000.0	6,998.8	51.3	1.9	-95.01	-6,970.4	-579.2	4,737.0	4,687.1	49.93	94.870		
9,400.0	6,975.6	7,000.0	6,998.8	52.2	1.9	-95.01	-6,970.4	-579.2	4,687.8	4,636.9	50.84	92.197		
9,448.8	6,975.3	7,000.0	6,998.8	53.1	1.9	-95.01	-6,970.4	-579.2	4,639.4	4,587.6	51.75	89.653		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - ABDN VERT FARR #1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,500.0	6,975.1	7,000.0	6,998.8	54.0	1.9	-95.01	-6,970.4	-579.2	4,588.6	4,535.9	52.70	87.076	
9,547.2	6,974.9	7,000.0	6,998.8	54.8	1.9	-95.01	-6,970.4	-579.2	4,541.8	4,488.2	53.58	84.774	
9,600.0	6,974.6	7,000.0	6,998.8	55.7	1.9	-95.01	-6,970.4	-579.2	4,489.5	4,434.9	54.56	82.289	
9,645.6	6,974.4	7,000.0	6,998.8	56.5	1.9	-95.01	-6,970.4	-579.2	4,444.3	4,388.9	55.41	80.205	
9,700.0	6,974.1	7,000.0	6,998.8	57.5	1.9	-95.01	-6,970.4	-579.2	4,390.4	4,334.0	56.43	77.806	
9,744.1	6,973.9	7,000.0	6,998.8	58.3	1.9	-95.01	-6,970.4	-579.2	4,346.8	4,289.5	57.26	75.919	
9,800.0	6,973.6	7,000.0	6,998.8	59.3	1.9	-95.01	-6,970.4	-579.2	4,291.4	4,233.1	58.31	73.601	
9,842.5	6,973.4	7,000.0	6,998.8	60.0	1.9	-95.01	-6,970.4	-579.2	4,249.3	4,190.2	59.11	71.892	
9,900.0	6,973.1	7,000.0	6,998.8	61.1	1.9	-95.01	-6,970.4	-579.2	4,192.4	4,132.2	60.19	69.652	
9,940.9	6,972.9	7,000.0	6,998.8	61.8	1.9	-95.01	-6,970.4	-579.2	4,151.9	4,090.9	60.96	68.103	
10,000.0	6,972.6	7,000.0	6,998.8	62.9	1.9	-95.01	-6,970.4	-579.2	4,093.5	4,031.4	62.08	65.936	
10,039.3	6,972.4	7,000.0	6,998.8	63.6	1.9	-95.01	-6,970.4	-579.2	4,054.5	3,991.7	62.83	64.533	
10,100.0	6,972.1	7,000.0	6,998.8	64.7	1.9	-95.01	-6,970.4	-579.2	3,994.6	3,930.6	63.98	62.435	
10,137.8	6,972.0	7,000.0	6,998.8	65.4	1.9	-95.01	-6,970.4	-579.2	3,957.2	3,892.5	64.70	61.165	
10,200.0	6,971.6	7,000.0	6,998.8	66.6	1.9	-95.01	-6,970.4	-579.2	3,895.8	3,829.9	65.88	59.132	
10,236.2	6,971.5	7,000.0	6,998.8	67.2	1.9	-95.01	-6,970.4	-579.2	3,860.0	3,793.4	66.57	57.982	
10,300.0	6,971.2	7,000.0	6,998.8	68.4	1.9	-95.01	-6,970.4	-579.2	3,797.0	3,729.2	67.79	56.011	
10,334.6	6,971.0	7,000.0	6,998.8	69.0	1.9	-95.01	-6,970.4	-579.2	3,762.8	3,694.4	68.45	54.970	
10,400.0	6,970.7	7,000.0	6,998.8	70.2	1.9	-95.01	-6,970.4	-579.2	3,698.3	3,628.6	69.70	53.059	
10,433.0	6,970.5	7,000.0	6,998.8	70.9	1.9	-95.01	-6,970.4	-579.2	3,665.7	3,595.3	70.33	52.118	
10,500.0	6,970.2	7,000.0	6,998.8	72.1	1.9	-95.01	-6,970.4	-579.2	3,599.7	3,528.0	71.62	50.262	
10,531.5	6,970.0	7,000.0	6,998.8	72.7	1.9	-95.01	-6,970.4	-579.2	3,568.6	3,496.4	72.22	49.412	
10,600.0	6,969.7	7,000.0	6,998.8	74.0	1.9	-95.01	-6,970.4	-579.2	3,501.1	3,427.6	73.54	47.610	
10,629.9	6,969.5	7,000.0	6,998.8	74.5	1.9	-95.01	-6,970.4	-579.2	3,471.7	3,397.5	74.11	46.843	
10,700.0	6,969.2	7,000.0	6,998.8	75.8	1.9	-95.01	-6,970.4	-579.2	3,402.6	3,327.2	75.46	45.092	
10,728.3	6,969.0	7,000.0	6,998.8	76.4	1.9	-95.01	-6,970.4	-579.2	3,374.8	3,298.8	76.01	44.401	
10,800.0	6,968.7	7,000.0	6,998.8	77.7	1.9	-95.01	-6,970.4	-579.2	3,304.3	3,226.9	77.39	42.698	
10,826.7	6,968.6	7,000.0	6,998.8	78.2	1.9	-95.01	-6,970.4	-579.2	3,278.0	3,200.1	77.90	42.078	
10,900.0	6,968.2	7,000.0	6,998.8	79.6	1.9	-95.01	-6,970.4	-579.2	3,206.0	3,126.7	79.32	40.421	
10,925.2	6,968.1	7,000.0	6,998.8	80.1	1.9	-95.01	-6,970.4	-579.2	3,181.3	3,101.5	79.80	39.864	
11,000.0	6,967.7	7,000.0	6,998.8	81.5	1.9	-95.02	-6,970.4	-579.2	3,107.8	3,026.6	81.25	38.251	
11,023.6	6,967.6	7,000.0	6,998.8	81.9	1.9	-95.02	-6,970.4	-579.2	3,084.7	3,003.0	81.70	37.754	
11,100.0	6,967.2	7,000.0	6,998.8	83.4	1.9	-95.02	-6,970.4	-579.2	3,009.8	2,926.6	83.18	36.183	
11,122.0	6,967.1	7,000.0	6,998.8	83.8	1.9	-95.02	-6,970.4	-579.2	2,988.2	2,904.6	83.61	35.740	
11,200.0	6,966.7	7,000.0	6,998.8	85.3	1.9	-95.02	-6,970.4	-579.2	2,911.9	2,826.8	85.12	34.209	
11,220.4	6,966.6	7,000.0	6,998.8	85.7	1.9	-95.02	-6,970.4	-579.2	2,891.9	2,806.4	85.52	33.817	
11,300.0	6,966.2	7,000.0	6,998.8	87.2	1.9	-95.02	-6,970.4	-579.2	2,814.1	2,727.1	87.06	32.324	
11,318.9	6,966.1	7,000.0	6,998.8	87.5	1.9	-95.02	-6,970.4	-579.2	2,795.7	2,708.3	87.43	31.978	
11,400.0	6,965.7	7,000.0	6,998.8	89.1	1.9	-95.02	-6,970.4	-579.2	2,716.5	2,627.5	89.00	30.523	
11,417.3	6,965.6	7,000.0	6,998.8	89.4	1.9	-95.02	-6,970.4	-579.2	2,699.7	2,610.3	89.34	30.219	
11,500.0	6,965.2	7,000.0	6,998.8	91.0	1.9	-95.02	-6,970.4	-579.2	2,619.1	2,528.2	90.94	28.799	
11,515.7	6,965.2	7,000.0	6,998.8	91.3	1.9	-95.02	-6,970.4	-579.2	2,603.8	2,512.6	91.25	28.535	
11,600.0	6,964.7	7,000.0	6,998.8	92.9	1.9	-95.02	-6,970.4	-579.2	2,521.9	2,429.0	92.89	27.150	
11,614.1	6,964.7	7,000.0	6,998.8	93.2	1.9	-95.02	-6,970.4	-579.2	2,508.2	2,415.0	93.16	26.922	
11,700.0	6,964.3	7,000.0	6,998.8	94.8	1.9	-95.02	-6,970.4	-579.2	2,424.9	2,330.1	94.84	25.570	
11,712.6	6,964.2	7,000.0	6,998.8	95.1	1.9	-95.02	-6,970.4	-579.2	2,412.7	2,317.7	95.08	25.376	
11,800.0	6,963.8	7,000.0	6,998.8	96.7	1.9	-95.02	-6,970.4	-579.2	2,328.2	2,231.4	96.78	24.056	
11,811.0	6,963.7	7,000.0	6,998.8	97.0	1.9	-95.02	-6,970.4	-579.2	2,317.6	2,220.6	97.00	23.893	
11,900.0	6,963.3	7,000.0	6,998.8	98.7	1.9	-95.02	-6,970.4	-579.2	2,231.7	2,133.0	98.73	22.604	
11,909.4	6,963.2	7,000.0	6,998.8	98.9	1.9	-95.02	-6,970.4	-579.2	2,222.7	2,123.7	98.92	22.470	
12,000.0	6,962.8	7,000.0	6,998.8	100.6	1.9	-95.02	-6,970.4	-579.2	2,135.6	2,034.9	100.68	21.211	
12,007.8	6,962.7	7,000.0	6,998.8	100.7	1.9	-95.02	-6,970.4	-579.2	2,128.1	2,027.3	100.84	21.104	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,100.0	6,962.3	7,000.0	6,998.8	102.5	1.9	-95.02	-6,970.4	-579.2	2,039.9	1,937.2	102.64	19.875	
12,106.3	6,962.2	7,000.0	6,998.8	102.6	1.9	-95.02	-6,970.4	-579.2	2,033.9	1,931.1	102.76	19.793	
12,200.0	6,961.8	7,000.0	6,998.8	104.5	1.9	-95.02	-6,970.4	-579.2	1,944.6	1,840.0	104.59	18.592	
12,204.7	6,961.8	7,000.0	6,998.8	104.5	1.9	-95.02	-6,970.4	-579.2	1,940.1	1,835.4	104.68	18.533	
12,300.0	6,961.3	7,002.5	7,001.3	106.4	1.9	-95.25	-6,970.3	-579.1	1,849.7	1,743.2	106.54	17.362	
12,303.1	6,961.3	7,002.3	7,001.2	106.4	1.9	-95.24	-6,970.3	-579.1	1,846.8	1,740.2	106.60	17.324	
12,400.0	6,960.8	6,997.9	6,996.7	108.3	1.9	-94.82	-6,970.4	-579.2	1,755.5	1,647.0	108.51	16.179	
12,401.5	6,960.8	6,997.8	6,996.6	108.3	1.9	-94.81	-6,970.4	-579.2	1,754.0	1,645.5	108.54	16.161	
12,500.0	6,960.3	6,993.3	6,992.1	110.3	1.9	-94.39	-6,970.6	-579.4	1,661.9	1,551.4	110.47	15.044	
12,598.4	6,959.8	6,988.8	6,987.6	112.2	1.9	-93.96	-6,970.8	-579.6	1,570.6	1,458.2	112.40	13.973	
12,600.0	6,959.8	6,988.7	6,987.5	112.2	1.9	-93.95	-6,970.8	-579.6	1,569.1	1,456.7	112.43	13.956	
12,696.8	6,959.3	6,984.2	6,983.1	114.1	1.9	-93.53	-6,970.9	-579.7	1,480.1	1,365.8	114.34	12.945	
12,700.0	6,959.3	6,984.1	6,982.9	114.1	1.9	-93.52	-6,971.0	-579.7	1,477.2	1,362.8	114.40	12.913	
12,795.2	6,958.8	6,979.7	6,978.6	116.0	1.9	-93.10	-6,971.1	-579.9	1,390.7	1,274.5	116.27	11.962	
12,800.0	6,958.8	6,979.5	6,978.4	116.1	1.9	-93.08	-6,971.1	-579.9	1,386.5	1,270.1	116.36	11.915	
12,893.7	6,958.3	6,975.2	6,974.0	117.9	1.9	-92.67	-6,971.3	-580.0	1,302.6	1,184.4	118.20	11.021	
12,900.0	6,958.3	6,974.9	6,973.8	118.0	1.9	-92.64	-6,971.3	-580.0	1,297.0	1,178.7	118.32	10.962	
12,992.1	6,957.9	6,970.6	6,969.5	119.8	1.9	-92.24	-6,971.5	-580.2	1,216.1	1,096.0	120.13	10.124	
13,000.0	6,957.8	6,970.3	6,969.1	120.0	1.9	-92.20	-6,971.5	-580.2	1,209.2	1,089.0	120.28	10.054	
13,090.5	6,957.4	6,966.1	6,965.0	121.7	1.9	-91.80	-6,971.6	-580.4	1,131.5	1,009.5	122.05	9.271	
13,100.0	6,957.3	6,965.7	6,964.5	121.9	1.9	-91.76	-6,971.6	-580.4	1,123.5	1,001.3	122.24	9.191	
13,188.9	6,956.9	6,961.6	6,960.4	123.6	1.9	-91.37	-6,971.8	-580.5	1,049.3	925.3	123.98	8.464	
13,200.0	6,956.8	6,961.1	6,959.9	123.9	1.9	-91.32	-6,971.8	-580.6	1,040.3	916.1	124.19	8.376	
13,287.4	6,956.4	6,957.0	6,955.9	125.6	1.9	-90.94	-6,972.0	-580.7	970.1	844.2	125.90	7.706	
13,300.0	6,956.3	6,956.4	6,955.3	125.8	1.9	-90.88	-6,972.0	-580.7	960.2	834.1	126.14	7.612	
13,385.8	6,955.9	6,952.5	6,951.4	127.5	1.9	-90.50	-6,972.1	-580.9	894.7	766.9	127.82	7.000	
13,400.0	6,955.8	6,951.8	6,950.7	127.8	1.9	-90.44	-6,972.2	-580.9	884.2	756.1	128.09	6.903	
13,484.2	6,955.4	6,947.9	6,946.8	129.4	1.9	-90.07	-6,972.3	-581.1	824.2	694.5	129.73	6.353	
13,500.0	6,955.3	6,947.2	6,946.1	129.7	1.9	-90.00	-6,972.3	-581.1	813.4	683.4	130.04	6.255	
13,582.6	6,954.9	6,943.4	6,942.3	131.3	1.9	-89.63	-6,972.5	-581.2	759.8	628.2	131.64	5.772	
13,600.0	6,954.8	6,942.5	6,941.5	131.7	1.9	-89.56	-6,972.5	-581.3	749.3	617.3	131.98	5.677	
13,681.1	6,954.4	6,938.8	6,937.7	133.2	1.9	-89.20	-6,972.7	-581.4	703.4	569.9	133.55	5.267	
13,700.0	6,954.3	6,937.9	6,936.8	133.6	1.9	-89.11	-6,972.7	-581.5	693.6	559.7	133.92	5.180	
13,779.5	6,953.9	6,934.2	6,933.1	135.2	1.9	-88.76	-6,972.8	-581.6	656.9	521.5	135.45	4.850	
13,800.0	6,953.8	6,933.3	6,932.2	135.6	1.9	-88.67	-6,972.9	-581.7	648.7	512.8	135.85	4.775	
13,877.9	6,953.5	6,929.7	6,928.6	137.1	1.9	-88.32	-6,973.0	-581.8	622.6	485.2	137.35	4.533	
13,900.0	6,953.3	6,928.6	6,927.6	137.5	1.9	-88.22	-6,973.0	-581.8	616.8	479.0	137.78	4.477	
13,976.3	6,953.0	6,925.1	6,924.0	139.0	1.9	-87.88	-6,973.2	-582.0	602.5	463.3	139.24	4.327	
14,000.0	6,952.8	6,924.0	6,922.9	139.5	1.9	-87.78	-6,973.2	-582.0	600.0	460.3	139.70	4.295	
14,052.2	6,952.6	6,921.6	6,920.5	140.5	1.9	-87.55	-6,973.3	-582.1	597.7	457.0	140.70	4.248 CC	
14,074.8	6,952.5	6,920.5	6,919.5	140.9	1.9	-87.45	-6,973.3	-582.2	598.2	457.0	141.13	4.238 ES	
14,100.0	6,952.4	6,919.3	6,918.3	141.4	1.9	-87.33	-6,973.4	-582.2	599.6	458.0	141.61	4.234 SF	
14,170.4	6,952.0	6,916.1	6,915.0	142.8	1.9	-87.02	-6,973.5	-582.4	609.3	466.4	142.90	4.264	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 289-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	171.11	-5,118.5	800.4	5,180.7				
98.4	98.4	108.9	108.9	0.1	0.1	171.11	-5,118.2	800.4	5,180.5	5,180.3	0.20	N/A	
100.0	100.0	110.9	110.9	0.1	0.1	171.11	-5,118.2	800.4	5,180.5	5,180.3	0.20	N/A	
196.8	196.8	233.7	233.7	0.3	0.2	171.11	-5,117.3	800.5	5,179.8	5,179.3	0.54	9,675.714	
200.0	200.0	237.7	237.6	0.3	0.2	171.11	-5,117.3	800.5	5,179.8	5,179.2	0.55	9,483.511	
295.3	295.3	1,037.3	1,033.7	0.5	2.2	171.20	-5,059.2	782.9	5,174.2	5,171.5	2.73	1,891.989	
300.0	300.0	1,040.8	1,037.2	0.5	2.2	171.21	-5,058.8	782.5	5,173.5	5,170.8	2.76	1,876.379	
393.7	393.7	1,116.0	1,111.2	0.8	2.5	171.29	-5,049.4	773.3	5,160.2	5,156.9	3.22	1,603.040	
400.0	400.0	1,116.0	1,111.2	0.8	2.5	171.29	-5,049.4	773.3	5,159.3	5,156.0	3.23	1,595.745	
492.1	492.1	1,160.7	1,155.2	1.0	2.6	171.35	-5,044.3	767.0	5,146.8	5,143.2	3.59	1,434.581	
500.0	500.0	1,164.5	1,158.9	1.0	2.6	171.36	-5,043.8	766.4	5,145.7	5,142.1	3.62	1,422.246	
590.5	590.5	1,208.5	1,202.1	1.2	2.8	171.43	-5,039.3	759.6	5,134.3	5,130.3	3.97	1,293.946	
600.0	600.0	1,244.0	1,237.0	1.2	2.9	171.49	-5,036.0	753.6	5,133.4	5,129.3	4.11	1,249.536	
689.0	689.0	1,244.0	1,237.0	1.4	2.9	171.49	-5,036.0	753.6	5,122.9	5,118.6	4.31	1,189.096	
700.0	700.0	1,244.0	1,237.0	1.4	2.9	171.49	-5,036.0	753.6	5,121.7	5,117.3	4.33	1,182.020	
787.4	787.4	1,298.9	1,290.9	1.6	3.1	171.59	-5,031.6	743.9	5,112.4	5,107.7	4.70	1,087.834	
800.0	800.0	1,304.5	1,296.4	1.7	3.1	171.60	-5,031.2	742.9	5,111.1	5,106.4	4.75	1,077.084	
885.8	885.8	1,373.0	1,363.5	1.9	3.3	171.73	-5,026.8	730.3	5,103.2	5,098.0	5.15	990.570	
900.0	900.0	1,373.0	1,363.5	1.9	3.3	171.73	-5,026.8	730.3	5,101.8	5,096.6	5.18	984.223	
984.2	984.2	1,373.0	1,363.5	2.1	3.3	171.73	-5,026.8	730.3	5,094.7	5,089.3	5.37	948.200	
1,000.0	1,000.0	1,373.0	1,363.5	2.1	3.3	171.73	-5,026.8	730.3	5,093.5	5,088.1	5.41	941.774	
1,082.7	1,082.7	1,436.6	1,425.9	2.3	3.6	-110.92	-5,023.7	718.1	5,087.7	5,082.2	5.42	937.841	
1,100.0	1,100.0	1,445.2	1,434.3	2.3	3.6	-110.92	-5,023.4	716.4	5,086.7	5,081.2	5.49	926.265	
1,181.1	1,181.0	1,501.0	1,488.9	2.5	3.8	-110.90	-5,021.5	705.1	5,082.9	5,077.1	5.85	868.195	
1,200.0	1,199.8	1,501.0	1,488.9	2.5	3.8	-110.92	-5,021.5	705.1	5,082.2	5,076.3	5.89	862.194	
1,279.5	1,279.1	1,501.0	1,488.9	2.7	3.8	-110.95	-5,021.5	705.1	5,080.5	5,074.4	6.07	836.576	
1,300.0	1,299.5	1,543.5	1,530.5	2.8	3.9	-110.90	-5,020.6	696.3	5,080.0	5,073.7	6.28	808.876	
1,347.3	1,346.4	1,566.4	1,552.9	2.9	4.0	-110.88	-5,020.2	691.5	5,079.8	5,073.3	6.48	783.556	
1,377.9	1,376.9	1,581.3	1,567.4	3.0	4.1	-110.86	-5,020.1	688.4	5,079.9	5,073.3	6.61	768.001	
1,400.0	1,398.7	1,592.0	1,577.8	3.0	4.1	-110.85	-5,020.0	686.1	5,080.1	5,073.4	6.71	757.213	
1,476.4	1,474.2	1,629.0	1,614.0	3.2	4.3	-110.79	-5,019.9	678.3	5,081.6	5,074.6	7.06	719.967	
1,500.0	1,497.5	1,629.0	1,614.0	3.3	4.3	-110.78	-5,019.9	678.3	5,082.4	5,075.3	7.12	713.565	
1,574.8	1,571.0	1,671.0	1,655.1	3.5	4.4	-110.70	-5,020.1	669.5	5,085.7	5,078.1	7.51	677.099	
1,600.0	1,595.6	1,681.7	1,665.6	3.6	4.4	-110.67	-5,020.2	667.3	5,087.1	5,079.4	7.63	666.807	
1,673.2	1,667.0	1,712.8	1,696.1	3.9	4.5	-110.58	-5,020.8	661.0	5,092.0	5,083.9	8.01	636.019	
1,700.0	1,693.1	1,758.0	1,740.4	4.0	4.7	-110.56	-5,022.0	652.3	5,094.3	5,086.1	8.27	616.067	
1,735.7	1,727.6	1,758.0	1,740.4	4.1	4.7	-110.50	-5,022.0	652.3	5,097.2	5,088.8	8.41	606.132	
1,771.6	1,762.4	1,758.0	1,740.4	4.3	4.7	-110.50	-5,022.0	652.3	5,100.4	5,091.9	8.56	596.089	
1,800.0	1,789.8	1,801.4	1,783.0	4.4	4.8	-110.52	-5,023.2	643.9	5,103.1	5,094.3	8.83	577.773	
1,870.1	1,857.6	1,907.2	1,886.6	4.7	5.2	-110.57	-5,025.7	622.7	5,109.0	5,099.5	9.52	536.497	
1,900.0	1,886.6	1,927.9	1,906.8	4.8	5.3	-110.57	-5,026.2	618.5	5,111.5	5,101.8	9.73	525.460	
1,968.5	1,952.8	1,975.3	1,953.2	5.2	5.5	-110.60	-5,027.4	609.1	5,117.5	5,107.3	10.21	501.291	
2,000.0	1,983.3	2,015.0	1,992.2	5.3	5.6	-110.62	-5,028.5	601.5	5,120.4	5,109.9	10.50	487.813	
2,066.9	2,048.0	2,048.8	2,025.4	5.6	5.7	-110.63	-5,029.5	595.1	5,126.6	5,115.7	10.92	469.294	
2,100.0	2,080.0	2,076.1	2,052.2	5.8	5.8	-110.65	-5,030.4	590.0	5,129.7	5,118.6	11.17	459.125	
2,165.3	2,143.2	2,130.0	2,105.1	6.1	6.0	-110.68	-5,032.1	580.1	5,136.0	5,124.3	11.67	440.061	
2,200.0	2,176.7	2,219.2	2,192.8	6.3	6.3	-110.73	-5,034.7	563.6	5,139.3	5,127.1	12.16	422.639	
2,263.8	2,238.4	2,319.6	2,291.2	6.6	6.7	-110.78	-5,036.5	544.2	5,144.4	5,131.6	12.84	400.646	
2,300.0	2,273.4	2,354.1	2,325.1	6.8	6.8	-110.80	-5,037.1	537.5	5,147.3	5,134.2	13.14	391.581	
2,362.2	2,333.6	2,400.0	2,370.1	7.1	7.0	-110.82	-5,037.9	528.6	5,152.3	5,138.7	13.62	378.256	
2,400.0	2,370.2	2,437.4	2,406.8	7.3	7.1	-110.84	-5,038.6	521.3	5,155.4	5,141.5	13.95	369.515	
2,460.6	2,428.8	2,481.1	2,449.6	7.6	7.3	-110.86	-5,039.5	512.9	5,160.6	5,146.2	14.42	357.843	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-20D - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 289-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,500.0	2,466.9	2,509.4	2,477.5	7.8	7.4	-110.87	-5,040.2	507.4	5,164.0	5,149.3	14.73	350.671	
2,559.0	2,524.0	2,575.4	2,542.1	8.1	7.6	-110.91	-5,041.9	494.6	5,169.3	5,154.0	15.28	338.362	
2,600.0	2,563.6	2,633.7	2,599.3	8.3	7.9	-110.93	-5,043.2	483.2	5,172.8	5,157.1	15.71	329.292	
2,657.5	2,619.2	2,697.4	2,661.8	8.6	8.1	-110.96	-5,044.5	470.6	5,177.5	5,161.3	16.25	318.542	
2,700.0	2,660.3	2,739.2	2,702.6	8.8	8.3	-110.97	-5,045.4	461.9	5,181.0	5,164.4	16.64	311.380	
2,755.9	2,714.4	2,803.3	2,765.1	9.1	8.6	-110.99	-5,046.9	447.8	5,185.7	5,168.5	17.19	301.595	
2,800.0	2,757.0	2,889.5	2,848.9	9.4	9.0	-110.99	-5,048.7	427.6	5,189.1	5,171.2	17.82	291.257	
2,854.3	2,809.6	2,913.0	2,871.7	9.6	9.1	-110.99	-5,049.0	421.9	5,193.1	5,174.9	18.20	285.343	
2,900.0	2,853.8	2,955.7	2,913.0	9.9	9.3	-110.98	-5,049.9	411.4	5,196.5	5,177.9	18.64	278.781	
2,952.7	2,904.8	2,981.2	2,937.8	10.2	9.4	-110.98	-5,050.6	405.1	5,200.9	5,181.8	19.03	273.250	
3,000.0	2,950.5	3,004.1	2,959.9	10.4	9.5	-110.98	-5,051.3	399.4	5,205.0	5,185.6	19.39	268.499	
3,051.2	3,000.0	3,042.0	2,996.6	10.7	9.7	-110.97	-5,052.8	389.9	5,209.7	5,189.9	19.83	262.685	
3,100.0	3,047.2	3,130.0	3,081.8	10.9	10.1	-110.96	-5,056.0	368.2	5,214.2	5,193.7	20.50	254.384	
3,149.6	3,095.2	3,197.5	3,147.3	11.2	10.4	-110.95	-5,057.6	352.0	5,218.2	5,197.1	21.06	247.728	
3,200.0	3,143.9	3,232.4	3,181.2	11.5	10.6	-110.96	-5,058.5	343.8	5,222.3	5,200.9	21.48	243.139	
3,248.0	3,190.4	3,265.5	3,213.5	11.7	10.7	-110.96	-5,059.4	336.1	5,226.4	5,204.6	21.87	238.929	
3,300.0	3,240.6	3,299.0	3,246.0	12.0	10.9	-110.96	-5,060.5	328.3	5,231.0	5,208.7	22.29	234.666	
3,346.4	3,285.6	3,327.8	3,274.0	12.3	11.0	-110.96	-5,061.5	321.7	5,235.3	5,212.6	22.66	231.001	
3,400.0	3,337.4	3,358.6	3,304.0	12.5	11.1	-110.96	-5,062.6	314.6	5,240.4	5,217.3	23.08	227.042	
3,444.9	3,380.8	3,384.4	3,329.1	12.8	11.2	-110.96	-5,063.7	308.7	5,244.8	5,221.4	23.43	223.837	
3,500.0	3,434.1	3,427.0	3,370.5	13.1	11.4	-110.96	-5,065.7	299.0	5,250.5	5,226.6	23.91	219.575	
3,543.3	3,476.0	3,487.4	3,429.2	13.3	11.7	-110.97	-5,068.5	285.2	5,255.1	5,230.7	24.42	215.221	
3,600.0	3,530.8	3,596.6	3,535.3	13.6	12.2	-110.97	-5,072.6	259.5	5,260.4	5,235.2	25.21	208.631	
3,641.7	3,571.2	3,655.6	3,592.6	13.8	12.5	-110.97	-5,074.5	245.7	5,264.1	5,238.4	25.70	204.853	
3,700.0	3,627.5	3,734.0	3,668.9	14.2	12.8	-110.97	-5,076.7	227.5	5,269.0	5,242.7	26.36	199.880	
3,740.1	3,666.4	3,786.6	3,719.9	14.4	13.1	-110.97	-5,078.0	214.9	5,272.3	5,245.5	26.82	196.615	
3,800.0	3,724.2	3,812.0	3,744.5	14.7	13.2	-110.96	-5,078.7	208.6	5,277.2	5,250.0	27.24	193.706	
3,838.6	3,761.6	3,849.3	3,780.6	14.9	13.4	-110.96	-5,079.8	199.3	5,280.5	5,252.8	27.63	191.085	
3,900.0	3,821.0	3,878.3	3,808.6	15.2	13.6	-110.95	-5,080.8	192.1	5,286.0	5,257.9	28.10	188.116	
3,937.0	3,856.8	3,895.7	3,825.5	15.4	13.6	-110.95	-5,081.5	187.6	5,289.5	5,261.2	28.38	186.380	
4,000.0	3,917.7	3,941.0	3,869.2	15.8	13.9	-110.94	-5,083.7	176.1	5,295.9	5,267.0	28.94	183.007	
4,035.4	3,951.9	3,941.0	3,869.2	16.0	13.9	-110.94	-5,083.7	176.1	5,299.6	5,270.5	29.12	181.980	
4,100.0	4,014.4	3,992.2	3,918.7	16.3	14.1	-110.93	-5,086.5	163.2	5,306.6	5,276.9	29.71	178.604	
4,133.8	4,047.1	4,018.2	3,943.8	16.5	14.2	-110.92	-5,088.0	156.7	5,310.3	5,280.3	30.02	176.916	
4,200.0	4,111.1	4,069.0	3,993.0	16.9	14.5	-110.92	-5,090.9	144.5	5,317.7	5,287.1	30.61	173.722	
4,232.3	4,142.3	4,096.6	4,019.8	17.0	14.6	-110.92	-5,092.4	138.2	5,321.4	5,290.5	30.89	172.254	
4,300.0	4,207.8	4,154.4	4,076.3	17.4	14.8	-110.93	-5,095.6	126.2	5,329.2	5,297.7	31.48	169.269	
4,330.7	4,237.5	4,180.6	4,102.0	17.6	14.9	-110.94	-5,097.0	121.3	5,332.8	5,301.0	31.75	167.959	
4,400.0	4,304.6	4,256.0	4,176.2	17.9	15.2	-111.00	-5,100.7	108.9	5,340.9	5,308.5	32.37	164.995	
4,429.1	4,332.7	4,290.3	4,210.1	18.1	15.3	-111.03	-5,102.3	103.9	5,344.3	5,311.6	32.63	163.773	
4,500.0	4,401.3	4,387.9	4,306.9	18.5	15.6	-111.14	-5,106.1	91.4	5,352.3	5,319.0	33.29	160.784	
4,527.5	4,427.9	4,430.0	4,348.7	18.6	15.7	-111.20	-5,107.5	86.3	5,355.3	5,321.7	33.55	159.626	
4,600.0	4,498.0	4,711.0	4,628.3	19.0	16.4	-111.63	-5,108.1	60.0	5,360.0	5,325.4	34.58	155.012	
4,626.0	4,523.1	4,755.4	4,672.7	19.2	16.5	-111.73	-5,106.8	58.2	5,361.4	5,326.6	34.77	154.208	
4,700.0	4,594.7	4,785.4	4,702.7	19.6	16.5	-111.80	-5,106.1	57.5	5,366.6	5,331.4	35.19	152.515	
4,724.4	4,618.3	4,795.3	4,712.5	19.7	16.6	-111.82	-5,105.9	57.4	5,368.4	5,333.1	35.33	151.970	
4,800.0	4,691.5	4,839.0	4,756.2	20.1	16.6	-111.94	-5,105.3	57.4	5,374.6	5,338.8	35.77	150.260	
4,822.8	4,713.5	4,839.0	4,756.2	20.2	16.6	-111.94	-5,105.3	57.4	5,376.5	5,340.6	35.89	149.819	
4,900.0	4,788.2	4,884.9	4,802.2	20.7	16.7	-112.06	-5,104.9	57.8	5,383.5	5,347.2	36.32	148.210	
4,921.2	4,808.7	4,899.6	4,816.9	20.8	16.7	-112.09	-5,104.8	58.0	5,385.5	5,349.1	36.45	147.770	
5,000.0	4,884.9	4,968.0	4,885.2	21.2	16.8	-112.27	-5,104.6	58.7	5,393.1	5,356.2	36.91	146.127	
5,019.7	4,903.9	4,968.0	4,885.2	21.3	16.8	-112.27	-5,104.6	58.7	5,395.1	5,358.1	37.01	145.777	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-20D - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 289-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.0	4,981.6	5,050.9	4,968.1	21.8	16.9	-112.49	-5,104.5	59.4	5,403.1	5,365.6	37.49	144.103		
5,118.1	4,999.1	5,069.6	4,986.9	21.8	16.9	-112.54	-5,104.5	59.6	5,404.9	5,367.3	37.60	143.731		
5,200.0	5,078.3	5,150.4	5,067.6	22.3	17.0	-112.75	-5,104.4	60.3	5,413.2	5,375.1	38.09	142.101		
5,216.5	5,094.3	5,166.3	5,083.5	22.4	17.0	-112.79	-5,104.3	60.5	5,414.8	5,376.6	38.19	141.780		
5,300.0	5,175.1	5,251.8	5,169.0	22.8	17.1	-113.02	-5,104.0	61.9	5,423.3	5,384.6	38.69	140.171		
5,314.9	5,189.5	5,269.9	5,187.1	22.9	17.1	-113.06	-5,103.9	62.2	5,424.8	5,386.0	38.78	139.878		
5,400.0	5,271.8	5,367.2	5,284.4	23.4	17.2	-113.32	-5,103.4	63.1	5,433.2	5,393.9	39.30	138.242		
5,413.4	5,284.7	5,378.8	5,296.0	23.5	17.2	-113.34	-5,103.3	63.1	5,434.5	5,395.1	39.38	137.993		
5,500.0	5,368.5	5,454.2	5,371.4	23.9	17.3	-113.53	-5,103.0	63.3	5,443.2	5,403.3	39.90	136.409		
5,511.8	5,379.9	5,464.5	5,381.7	24.0	17.3	-113.56	-5,103.0	63.2	5,444.4	5,404.4	39.97	136.197		
5,600.0	5,465.2	5,544.1	5,461.3	24.5	17.4	-113.75	-5,102.9	63.0	5,453.5	5,413.0	40.51	134.609		
5,610.2	5,475.1	5,553.5	5,470.6	24.5	17.5	-113.77	-5,102.9	62.9	5,454.5	5,413.9	40.58	134.427		
5,647.2	5,510.9	5,587.2	5,504.4	24.7	17.5	-113.86	-5,102.9	62.8	5,458.4	5,417.6	40.80	133.774		
5,700.0	5,562.1	5,610.0	5,527.2	25.0	17.5	-114.01	-5,102.9	62.7	5,463.8	5,422.7	41.05	133.089		
5,708.6	5,570.5	5,634.6	5,551.8	25.0	17.6	-114.08	-5,102.9	62.5	5,464.6	5,423.5	41.11	132.919		
5,800.0	5,659.6	5,696.4	5,613.6	25.3	17.7	-114.36	-5,103.2	62.0	5,473.3	5,431.8	41.49	131.917		
5,807.1	5,666.6	5,701.2	5,618.4	25.4	17.7	-114.38	-5,103.3	61.9	5,473.9	5,432.4	41.52	131.849		
5,900.0	5,757.9	5,931.5	5,848.7	25.7	18.0	-114.90	-5,101.9	61.2	5,480.5	5,438.4	42.05	130.325		
5,905.5	5,763.3	5,937.2	5,854.4	25.7	18.0	-114.92	-5,101.8	61.3	5,480.8	5,438.7	42.07	130.270		
6,000.0	5,856.7	6,021.6	5,938.7	26.0	18.1	-115.12	-5,100.1	61.6	5,485.0	5,442.6	42.40	129.361		
6,003.9	5,860.6	6,024.3	5,941.4	26.0	18.1	-115.13	-5,100.0	61.7	5,485.2	5,442.8	42.41	129.331		
6,100.0	5,956.1	6,090.3	6,007.4	26.2	18.2	-115.27	-5,098.9	62.2	5,488.5	5,445.8	42.69	128.579		
6,102.3	5,958.4	6,091.9	6,009.0	26.2	18.2	-115.27	-5,098.9	62.3	5,488.6	5,445.9	42.69	128.563		
6,200.0	6,055.7	6,197.9	6,115.0	26.4	18.3	-115.41	-5,097.4	63.7	5,490.9	5,448.0	42.98	127.767		
6,200.8	6,056.5	6,199.0	6,116.1	26.4	18.3	-115.41	-5,097.4	63.7	5,491.0	5,448.0	42.98	127.760		
6,299.2	6,154.8	6,297.8	6,214.9	26.5	18.5	-115.48	-5,095.7	64.7	5,491.5	5,448.3	43.22	127.046		
6,300.0	6,155.6	6,298.4	6,215.5	26.5	18.5	-115.48	-5,095.7	64.7	5,491.5	5,448.3	43.23	127.041		
6,382.9	6,238.5	6,360.2	6,277.3	26.6	18.6	167.18	-5,094.8	65.4	5,491.1	5,447.7	43.35	126.665		
6,397.6	6,253.2	6,380.0	6,297.1	26.6	18.6	167.18	-5,094.6	65.7	5,490.9	5,447.5	43.39	126.543		
6,400.0	6,255.6	6,380.0	6,297.1	26.6	18.6	167.18	-5,094.6	65.7	5,490.9	5,447.5	43.39	126.535		
6,412.9	6,268.5	6,380.0	6,297.1	26.6	18.6	167.18	-5,094.6	65.7	5,490.8	5,447.4	43.41	126.488		
6,450.0	6,305.6	6,418.3	6,335.3	26.7	18.6	-13.06	-5,094.2	66.2	5,489.6	5,446.2	43.42	126.438		
6,496.0	6,351.5	6,461.5	6,378.6	26.7	18.7	-13.15	-5,093.7	66.8	5,485.5	5,442.2	43.23	126.900		
6,500.0	6,355.4	6,465.2	6,382.3	26.7	18.7	-13.16	-5,093.6	66.9	5,485.0	5,441.8	43.20	126.960		
6,550.0	6,404.8	6,513.6	6,430.7	26.7	18.7	-13.34	-5,093.1	67.7	5,477.1	5,434.3	42.80	127.979		
6,594.5	6,448.1	6,582.2	6,499.2	26.8	18.8	-13.58	-5,092.2	68.9	5,467.1	5,424.8	42.30	129.240		
6,600.0	6,453.5	6,590.6	6,507.6	26.8	18.8	-13.62	-5,092.1	69.0	5,465.7	5,423.4	42.23	129.428		
6,650.0	6,501.3	6,653.3	6,570.3	26.8	18.9	-13.98	-5,090.8	70.3	5,450.8	5,409.3	41.46	131.469		
6,692.9	6,541.4	6,689.1	6,606.1	26.8	19.0	-14.34	-5,090.2	71.0	5,435.4	5,394.8	40.64	133.745		
6,700.0	6,548.0	6,695.0	6,612.0	26.8	19.0	-14.41	-5,090.0	71.1	5,432.7	5,392.2	40.49	134.168		
6,750.0	6,593.3	6,735.4	6,652.3	26.8	19.0	-14.94	-5,089.3	71.8	5,411.5	5,372.2	39.35	137.515		
6,791.3	6,629.6	6,765.0	6,682.0	26.8	19.1	-15.47	-5,088.8	72.2	5,391.8	5,353.5	38.29	140.823		
6,800.0	6,637.0	6,765.0	6,682.0	26.8	19.1	-15.57	-5,088.8	72.2	5,387.4	5,349.4	38.04	141.610		
6,850.0	6,679.0	6,801.5	6,718.5	26.8	19.1	-16.35	-5,088.3	72.7	5,360.5	5,323.9	36.60	146.459		
6,889.7	6,710.9	6,823.8	6,740.8	26.8	19.1	-17.07	-5,088.0	73.1	5,337.2	5,301.8	35.36	150.947		
6,900.0	6,718.9	6,829.4	6,746.4	26.8	19.2	-17.27	-5,087.9	73.2	5,330.9	5,295.9	35.02	152.207		
6,950.0	6,756.7	6,855.8	6,772.7	26.8	19.2	-18.38	-5,087.6	73.7	5,298.8	5,265.5	33.35	158.906		
6,988.2	6,783.9	6,875.8	6,792.7	26.8	19.2	-19.38	-5,087.5	74.1	5,272.7	5,240.7	32.02	164.677		
7,000.0	6,792.0	6,880.5	6,797.5	26.8	19.2	-19.72	-5,087.4	74.2	5,264.3	5,232.7	31.60	166.613		
7,050.0	6,824.8	6,908.5	6,825.4	26.8	19.3	-21.37	-5,087.2	74.8	5,227.6	5,197.8	29.82	175.281		
7,086.6	6,847.2	6,932.3	6,849.2	26.8	19.3	-22.84	-5,087.0	75.3	5,199.4	5,170.8	28.56	182.023		
7,100.0	6,854.9	6,940.6	6,857.6	26.8	19.3	-23.43	-5,086.9	75.4	5,188.8	5,160.7	28.10	184.682		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-20D - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 289-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,150.0	6,882.2	6,969.6	6,886.6	26.8	19.3	-25.99	-5,086.7	76.0	5,148.0	5,121.5	26.49	194.316		
7,185.0	6,899.5	6,988.0	6,905.0	26.8	19.4	-28.16	-5,086.6	76.3	5,118.4	5,092.9	25.51	200.651		
7,200.0	6,906.5	6,995.4	6,912.3	26.9	19.4	-29.21	-5,086.5	76.5	5,105.5	5,080.4	25.15	202.998		
7,250.0	6,927.6	7,017.8	6,934.7	26.9	19.4	-33.31	-5,086.3	76.9	5,061.6	5,037.3	24.26	208.602		
7,283.4	6,940.0	7,029.5	6,946.4	27.0	19.4	-36.67	-5,086.2	77.1	5,031.4	5,007.4	24.05	209.225		
7,300.0	6,945.5	7,034.5	6,951.4	27.0	19.4	-38.57	-5,086.2	77.1	5,016.3	4,992.2	24.08	208.283		
7,350.0	6,960.2	7,047.6	6,964.5	27.1	19.4	-45.42	-5,086.1	77.4	4,970.0	4,945.1	24.90	199.632		
7,381.9	6,967.8	7,054.3	6,971.2	27.2	19.4	-50.85	-5,086.0	77.5	4,940.0	4,914.0	26.02	189.826		
7,400.0	6,971.5	7,057.6	6,974.5	27.2	19.4	-54.36	-5,086.0	77.5	4,922.8	4,895.9	26.87	183.214		
7,450.0	6,979.3	7,064.4	6,981.3	27.4	19.5	-65.77	-5,085.9	77.7	4,875.0	4,845.2	29.81	163.556		
7,480.3	6,982.4	7,067.0	6,983.9	27.5	19.5	-73.84	-5,085.9	77.7	4,845.9	4,814.2	31.75	152.625		
7,500.0	6,983.7	7,068.1	6,985.0	27.5	19.5	-79.45	-5,085.9	77.7	4,826.9	4,794.0	32.92	146.611		
7,541.4	6,984.7	7,068.7	6,985.6	27.7	19.5	-91.65	-5,085.9	77.7	4,787.0	4,752.1	34.84	137.397		
7,578.7	6,984.5	7,068.3	6,985.2	27.9	19.5	-91.63	-5,085.9	77.7	4,750.9	4,715.7	35.21	134.927		
7,600.0	6,984.4	7,068.0	6,984.9	28.0	19.5	-91.62	-5,085.9	77.7	4,730.4	4,695.0	35.42	133.543		
7,677.1	6,984.0	7,067.1	6,984.0	28.5	19.5	-91.58	-5,085.9	77.7	4,656.0	4,619.8	36.24	128.488		
7,700.0	6,983.9	7,066.9	6,983.8	28.6	19.5	-91.57	-5,085.9	77.7	4,634.0	4,597.6	36.48	127.035		
7,775.6	6,983.5	7,066.0	6,982.9	29.2	19.5	-91.53	-5,085.9	77.7	4,561.3	4,524.0	37.34	122.146		
7,800.0	6,983.4	7,065.7	6,982.6	29.4	19.5	-91.51	-5,085.9	77.7	4,537.8	4,500.2	37.62	120.614		
7,874.0	6,983.1	7,064.8	6,981.7	30.0	19.5	-91.47	-5,085.9	77.7	4,466.7	4,428.2	38.55	115.863		
7,900.0	6,982.9	7,064.5	6,981.4	30.3	19.5	-91.46	-5,085.9	77.7	4,441.8	4,402.9	38.88	114.249		
7,972.4	6,982.6	7,063.7	6,980.6	31.0	19.5	-91.42	-5,086.0	77.7	4,372.3	4,332.5	39.86	109.704		
8,000.0	6,982.4	7,063.4	6,980.3	31.3	19.5	-91.41	-5,086.0	77.6	4,345.9	4,305.7	40.23	108.032		
8,070.8	6,982.1	7,062.5	6,979.4	32.1	19.5	-91.37	-5,086.0	77.6	4,278.1	4,236.9	41.24	103.733		
8,100.0	6,982.0	7,062.2	6,979.1	32.4	19.5	-91.35	-5,086.0	77.6	4,250.2	4,208.6	41.66	102.026		
8,169.3	6,981.6	7,061.4	6,978.3	33.2	19.5	-91.32	-5,086.0	77.6	4,184.1	4,141.4	42.70	97.997		
8,200.0	6,981.5	7,061.0	6,977.9	33.6	19.5	-91.30	-5,086.0	77.6	4,154.8	4,111.6	43.16	96.273		
8,267.7	6,981.1	7,060.2	6,977.1	34.5	19.5	-91.26	-5,086.0	77.6	4,090.3	4,046.1	44.21	92.520		
8,300.0	6,981.0	7,059.8	6,976.7	34.9	19.5	-91.25	-5,086.0	77.6	4,059.5	4,014.8	44.71	90.793		
8,366.1	6,980.7	7,059.1	6,976.0	35.8	19.5	-91.21	-5,086.0	77.6	3,996.7	3,950.9	45.77	87.315		
8,400.0	6,980.5	7,058.7	6,975.6	36.3	19.5	-91.19	-5,086.0	77.6	3,964.5	3,918.2	46.32	85.596		
8,464.5	6,980.2	7,057.9	6,974.8	37.2	19.4	-91.16	-5,086.0	77.6	3,903.3	3,855.9	47.38	82.385		
8,500.0	6,980.0	7,057.5	6,974.4	37.7	19.4	-91.14	-5,086.0	77.5	3,869.7	3,821.8	47.96	80.683		
8,563.0	6,979.7	7,056.7	6,973.6	38.6	19.4	-91.10	-5,086.0	77.5	3,810.2	3,761.2	49.02	77.725		
8,600.0	6,979.5	7,056.3	6,973.2	39.1	19.4	-91.08	-5,086.0	77.5	3,775.2	3,725.6	49.64	76.046		
8,661.4	6,979.2	7,055.5	6,972.5	40.1	19.4	-91.05	-5,086.0	77.5	3,717.3	3,666.6	50.70	73.327		
8,700.0	6,979.0	7,055.1	6,972.0	40.7	19.4	-91.03	-5,086.0	77.5	3,681.0	3,629.7	51.36	71.675		
8,759.8	6,978.7	7,054.4	6,971.3	41.6	19.4	-91.00	-5,086.0	77.5	3,624.8	3,572.4	52.40	69.179		
8,800.0	6,978.5	7,053.9	6,970.8	42.2	19.4	-90.97	-5,086.0	77.5	3,587.1	3,534.0	53.10	67.559		
8,858.2	6,978.2	7,053.2	6,970.1	43.1	19.4	-90.94	-5,086.0	77.5	3,532.6	3,478.5	54.12	65.270		
8,900.0	6,978.0	7,052.7	6,969.6	43.8	19.4	-90.92	-5,086.0	77.5	3,493.6	3,438.7	54.86	63.684		
8,956.7	6,977.8	7,052.0	6,968.9	44.7	19.4	-90.89	-5,086.0	77.5	3,440.7	3,384.8	55.87	61.586		
9,000.0	6,977.5	7,051.5	6,968.4	45.4	19.4	-90.86	-5,086.0	77.4	3,400.4	3,343.7	56.64	60.034		
9,055.1	6,977.3	7,050.8	6,967.7	46.3	19.4	-90.83	-5,086.1	77.4	3,349.2	3,291.6	57.63	58.113		
9,100.0	6,977.1	7,050.3	6,967.2	47.1	19.4	-90.81	-5,086.1	77.4	3,307.6	3,249.1	58.44	56.597		
9,153.5	6,976.8	7,049.6	6,966.5	48.0	19.4	-90.78	-5,086.1	77.4	3,258.1	3,198.7	59.41	54.838		
9,200.0	6,976.6	7,049.0	6,966.0	48.8	19.4	-90.75	-5,086.1	77.4	3,215.2	3,154.9	60.26	53.359		
9,251.9	6,976.3	7,048.4	6,965.3	49.7	19.4	-90.72	-5,086.1	77.4	3,167.4	3,106.2	61.21	51.750		
9,300.0	6,976.1	7,047.8	6,964.7	50.5	19.4	-90.70	-5,086.1	77.4	3,123.3	3,061.2	62.09	50.307		
9,350.4	6,975.8	7,047.2	6,964.1	51.3	19.4	-90.67	-5,086.1	77.4	3,077.2	3,014.2	63.01	48.835		
9,400.0	6,975.6	7,046.6	6,963.5	52.2	19.4	-90.64	-5,086.1	77.4	3,031.9	2,968.0	63.93	47.428		
9,448.8	6,975.3	7,046.0	6,962.9	53.1	19.4	-90.61	-5,086.1	77.3	2,987.5	2,922.7	64.83	46.082		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 289-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.0	6,975.1	7,045.4	6,962.3	54.0	19.4	-90.59	-5,086.1	77.3	2,941.1	2,875.3	65.78	44.712	
9,547.2	6,974.9	7,044.8	6,961.7	54.8	19.4	-90.56	-5,086.1	77.3	2,898.4	2,831.8	66.66	43.482	
9,600.0	6,974.6	7,044.1	6,961.1	55.7	19.4	-90.53	-5,086.1	77.3	2,850.9	2,783.3	67.64	42.147	
9,645.6	6,974.4	7,043.6	6,960.5	56.5	19.4	-90.50	-5,086.1	77.3	2,809.9	2,741.4	68.49	41.024	
9,700.0	6,974.1	7,042.9	6,959.8	57.5	19.4	-90.47	-5,086.1	77.3	2,761.4	2,691.9	69.51	39.725	
9,744.1	6,973.9	7,042.4	6,959.3	58.3	19.4	-90.45	-5,086.1	77.3	2,722.1	2,651.8	70.34	38.700	
9,800.0	6,973.6	7,041.7	6,958.6	59.3	19.4	-90.42	-5,086.1	77.3	2,672.6	2,601.2	71.39	37.436	
9,842.5	6,973.4	7,041.1	6,958.0	60.0	19.4	-90.39	-5,086.1	77.3	2,635.1	2,562.9	72.19	36.501	
9,900.0	6,973.1	7,040.4	6,957.3	61.1	19.4	-90.36	-5,086.1	77.2	2,584.6	2,511.3	73.28	35.272	
9,940.9	6,972.9	7,039.9	6,956.8	61.8	19.4	-90.34	-5,086.1	77.2	2,548.9	2,474.8	74.05	34.421	
10,000.0	6,972.6	7,039.2	6,956.1	62.9	19.4	-90.30	-5,086.1	77.2	2,497.5	2,422.4	75.17	33.226	
10,039.3	6,972.4	7,038.7	6,955.6	63.6	19.4	-90.28	-5,086.2	77.2	2,463.5	2,387.6	75.91	32.452	
10,100.0	6,972.1	7,037.9	6,954.8	64.7	19.4	-90.24	-5,086.2	77.2	2,411.5	2,334.4	77.06	31.291	
10,137.8	6,972.0	7,037.4	6,954.4	65.4	19.4	-90.22	-5,086.2	77.2	2,379.2	2,301.5	77.78	30.588	
10,200.0	6,971.6	7,036.7	6,953.6	66.6	19.4	-90.19	-5,086.2	77.2	2,326.5	2,247.5	78.97	29.462	
10,236.2	6,971.5	7,036.2	6,953.1	67.2	19.4	-90.17	-5,086.2	77.2	2,296.1	2,216.4	79.66	28.824	
10,300.0	6,971.2	7,035.4	6,952.3	68.4	19.4	-90.13	-5,086.2	77.2	2,242.8	2,161.9	80.88	27.732	
10,334.6	6,971.0	7,035.0	6,951.9	69.0	19.4	-90.11	-5,086.2	77.2	2,214.1	2,132.6	81.54	27.155	
10,400.0	6,970.7	7,034.1	6,951.0	70.2	19.4	-90.07	-5,086.2	77.1	2,160.5	2,077.7	82.79	26.097	
10,433.0	6,970.5	7,033.7	6,950.6	70.9	19.4	-90.05	-5,086.2	77.1	2,133.6	2,050.2	83.42	25.576	
10,500.0	6,970.2	7,032.9	6,949.8	72.1	19.4	-90.01	-5,086.2	77.1	2,079.7	1,995.0	84.70	24.553	
10,531.5	6,970.0	7,032.5	6,949.4	72.7	19.4	-90.00	-5,086.2	77.1	2,054.6	1,969.3	85.31	24.085	
10,600.0	6,969.7	7,031.6	6,948.5	74.0	19.4	-89.96	-5,086.2	77.1	2,000.7	1,914.0	86.62	23.096	
10,629.9	6,969.5	7,031.2	6,948.1	74.5	19.4	-89.94	-5,086.2	77.1	1,977.4	1,890.2	87.20	22.677	
10,700.0	6,969.2	7,030.3	6,947.2	75.8	19.4	-89.90	-5,086.2	77.1	1,923.6	1,835.0	88.55	21.724	
10,728.3	6,969.0	7,030.0	6,946.9	76.4	19.4	-89.88	-5,086.2	77.1	1,902.1	1,813.0	89.09	21.350	
10,800.0	6,968.7	7,029.0	6,945.9	77.7	19.4	-89.84	-5,086.2	77.1	1,848.7	1,758.2	90.47	20.434	
10,826.7	6,968.6	7,028.7	6,945.6	78.2	19.4	-89.82	-5,086.2	77.0	1,829.0	1,738.1	90.99	20.102	
10,900.0	6,968.2	7,027.7	6,944.7	79.6	19.4	-89.78	-5,086.2	77.0	1,776.2	1,683.8	92.40	19.223	
10,925.2	6,968.1	7,027.4	6,944.3	80.1	19.4	-89.76	-5,086.2	77.0	1,758.4	1,665.6	92.89	18.931	
11,000.0	6,967.7	7,026.5	6,943.4	81.5	19.4	-89.72	-5,086.3	77.0	1,706.6	1,612.3	94.33	18.092	
11,023.6	6,967.6	7,026.1	6,943.1	81.9	19.4	-89.71	-5,086.3	77.0	1,690.6	1,595.8	94.79	17.836	
11,100.0	6,967.2	7,025.2	6,942.1	83.4	19.4	-89.66	-5,086.3	77.0	1,640.1	1,543.9	96.27	17.037	
11,122.0	6,967.1	7,024.9	6,941.8	83.8	19.4	-89.65	-5,086.3	77.0	1,625.9	1,529.2	96.69	16.816	
11,200.0	6,966.7	7,023.9	6,940.8	85.3	19.4	-89.60	-5,086.3	77.0	1,577.2	1,479.0	98.20	16.060	
11,220.4	6,966.6	7,023.6	6,940.5	85.7	19.4	-89.59	-5,086.3	77.0	1,564.8	1,466.2	98.60	15.870	
11,300.0	6,966.2	7,022.0	6,938.9	87.2	19.4	-89.52	-5,086.3	76.9	1,518.2	1,418.1	100.14	15.161	
11,318.9	6,966.1	7,022.0	6,938.9	87.5	19.4	-89.52	-5,086.3	76.9	1,507.6	1,407.0	100.50	15.000	
11,400.0	6,965.7	7,021.2	6,938.1	89.1	19.4	-89.48	-5,086.3	76.9	1,463.7	1,361.6	102.08	14.339	
11,417.3	6,965.6	7,020.9	6,937.9	89.4	19.4	-89.47	-5,086.3	76.9	1,454.7	1,352.3	102.42	14.204	
11,500.0	6,965.2	7,019.8	6,936.7	91.0	19.4	-89.41	-5,086.3	76.9	1,414.2	1,310.1	104.02	13.595	
11,515.7	6,965.2	7,019.6	6,936.5	91.3	19.4	-89.40	-5,086.3	76.9	1,406.9	1,302.5	104.33	13.485	
11,600.0	6,964.7	7,018.4	6,935.3	92.9	19.4	-89.35	-5,086.3	76.9	1,370.1	1,264.2	105.96	12.930	
11,614.1	6,964.7	7,018.2	6,935.1	93.2	19.4	-89.34	-5,086.3	76.9	1,364.4	1,258.2	106.24	12.843	
11,700.0	6,964.3	7,017.0	6,933.9	94.8	19.4	-89.29	-5,086.3	76.8	1,332.2	1,224.3	107.91	12.346	
11,712.6	6,964.2	7,016.8	6,933.7	95.1	19.4	-89.28	-5,086.3	76.8	1,327.9	1,219.7	108.15	12.278	
11,800.0	6,963.8	7,015.6	6,932.5	96.7	19.4	-89.22	-5,086.3	76.8	1,300.8	1,191.0	109.85	11.842	
11,811.0	6,963.7	7,015.4	6,932.4	97.0	19.4	-89.22	-5,086.3	76.8	1,297.8	1,187.7	110.07	11.791	
11,900.0	6,963.3	7,014.2	6,931.1	98.7	19.4	-89.16	-5,086.4	76.8	1,276.6	1,164.8	111.80	11.418	
11,909.4	6,963.2	7,014.1	6,931.0	98.9	19.4	-89.15	-5,086.4	76.8	1,274.7	1,162.7	111.98	11.382	
12,000.0	6,962.8	7,012.8	6,929.7	100.6	19.4	-89.09	-5,086.4	76.8	1,259.8	1,146.0	113.75	11.075	
12,007.8	6,962.7	7,012.7	6,929.6	100.7	19.4	-89.09	-5,086.4	76.8	1,258.8	1,144.9	113.90	11.052	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-20D - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.0 usft
Survey Program: 289-MWD												<b>Offset Well Error:</b>	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,100.0	6,962.3	7,011.4	6,928.3	102.5	19.4	-89.03	-5,086.4	76.7	1,250.8	1,135.1	115.70	10.811	
12,106.3	6,962.2	7,011.3	6,928.2	102.6	19.4	-89.03	-5,086.4	76.7	1,250.5	1,134.7	115.82	10.797	
12,162.8	6,962.0	7,010.5	6,927.5	103.7	19.4	-88.99	-5,086.4	76.7	1,249.2	1,132.3	116.93	10.684 CC	
12,200.0	6,961.8	7,010.0	6,926.9	104.5	19.4	-88.97	-5,086.4	76.7	1,249.8	1,132.1	117.65	10.623 ES	
12,204.7	6,961.8	7,010.0	6,926.9	104.5	19.4	-88.96	-5,086.4	76.7	1,249.9	1,132.2	117.74	10.616	
12,300.0	6,961.3	7,008.6	6,925.6	106.4	19.4	-88.90	-5,086.4	76.7	1,256.7	1,137.1	119.60	10.508	
12,303.1	6,961.3	7,008.6	6,925.5	106.4	19.4	-88.90	-5,086.4	76.7	1,257.1	1,137.4	119.66	10.505	
12,400.0	6,960.8	7,007.3	6,924.2	108.3	19.4	-88.84	-5,086.4	76.7	1,271.5	1,150.0	121.55	10.461	
12,401.5	6,960.8	7,007.2	6,924.2	108.3	19.4	-88.84	-5,086.4	76.7	1,271.8	1,150.2	121.58	10.460 SF	
12,500.0	6,960.3	7,005.9	6,922.8	110.3	19.4	-88.78	-5,086.4	76.6	1,293.9	1,170.4	123.51	10.476	
12,598.4	6,959.8	7,004.5	6,921.4	112.2	19.4	-88.71	-5,086.4	76.6	1,323.0	1,197.5	125.43	10.547	
12,600.0	6,959.8	7,004.5	6,921.4	112.2	19.4	-88.71	-5,086.4	76.6	1,323.5	1,198.0	125.46	10.549	
12,696.8	6,959.3	7,003.2	6,920.1	114.1	19.4	-88.65	-5,086.4	76.6	1,358.5	1,231.2	127.35	10.667	
12,700.0	6,959.3	7,003.1	6,920.0	114.1	19.4	-88.65	-5,086.4	76.6	1,359.8	1,232.4	127.42	10.672	
12,795.2	6,958.8	7,001.8	6,918.7	116.0	19.4	-88.59	-5,086.5	76.6	1,400.2	1,270.9	129.28	10.830	
12,800.0	6,958.8	7,001.7	6,918.7	116.1	19.4	-88.59	-5,086.5	76.6	1,402.3	1,272.9	129.37	10.839	
12,893.7	6,958.3	7,000.4	6,917.4	117.9	19.4	-88.53	-5,086.5	76.5	1,447.3	1,316.1	131.21	11.031	
12,900.0	6,958.3	7,000.4	6,917.3	118.0	19.4	-88.52	-5,086.5	76.5	1,450.5	1,319.1	131.33	11.045	
12,992.1	6,957.9	6,999.1	6,916.0	119.8	19.4	-88.47	-5,086.5	76.5	1,499.4	1,366.2	133.13	11.262	
13,000.0	6,957.8	6,999.0	6,915.9	120.0	19.4	-88.46	-5,086.5	76.5	1,503.8	1,370.5	133.29	11.282	
13,090.5	6,957.4	6,997.7	6,914.7	121.7	19.4	-88.40	-5,086.5	76.5	1,556.0	1,420.9	135.06	11.521	
13,100.0	6,957.3	6,997.6	6,914.5	121.9	19.4	-88.40	-5,086.5	76.5	1,561.6	1,426.4	135.24	11.547	
13,188.9	6,956.9	6,996.4	6,913.3	123.6	19.4	-88.34	-5,086.5	76.5	1,616.6	1,479.6	136.98	11.801	
13,200.0	6,956.8	6,996.2	6,913.2	123.9	19.4	-88.33	-5,086.5	76.5	1,623.6	1,486.4	137.20	11.834	
13,287.4	6,956.4	6,995.0	6,912.0	125.6	19.4	-88.28	-5,086.5	76.5	1,680.8	1,541.8	138.91	12.099	
13,300.0	6,956.3	6,994.9	6,911.8	125.8	19.4	-88.27	-5,086.5	76.4	1,689.2	1,550.1	139.16	12.139	
13,385.8	6,955.9	6,993.7	6,910.6	127.5	19.4	-88.22	-5,086.5	76.4	1,748.1	1,607.3	140.84	12.412	
13,400.0	6,955.8	6,993.5	6,910.4	127.8	19.4	-88.21	-5,086.5	76.4	1,758.1	1,617.0	141.12	12.458	
13,484.2	6,955.4	6,992.4	6,909.3	129.4	19.4	-88.16	-5,086.5	76.4	1,818.3	1,675.6	142.77	12.736	
13,500.0	6,955.3	6,992.1	6,909.1	129.7	19.4	-88.15	-5,086.5	76.4	1,829.8	1,686.7	143.08	12.789	
13,582.6	6,954.9	6,991.0	6,907.9	131.3	19.4	-88.09	-5,086.5	76.4	1,891.1	1,746.4	144.70	13.069	
13,600.0	6,954.8	6,990.8	6,907.7	131.7	19.4	-88.08	-5,086.5	76.4	1,904.1	1,759.1	145.04	13.128	
13,681.1	6,954.4	6,989.7	6,906.6	133.2	19.4	-88.03	-5,086.6	76.4	1,966.0	1,819.4	146.63	13.408	
13,700.0	6,954.3	6,989.4	6,906.3	133.6	19.4	-88.02	-5,086.6	76.3	1,980.7	1,833.7	147.00	13.474	
13,779.5	6,953.9	6,988.3	6,905.2	135.2	19.4	-87.97	-5,086.6	76.3	2,043.0	1,894.4	148.56	13.752	
13,800.0	6,953.8	6,988.1	6,905.0	135.6	19.4	-87.96	-5,086.6	76.3	2,059.2	1,910.3	148.96	13.824	
13,877.9	6,953.5	6,987.0	6,903.9	137.1	19.4	-87.91	-5,086.6	76.3	2,121.7	1,971.2	150.49	14.099	
13,900.0	6,953.3	6,986.7	6,903.6	137.5	19.4	-87.90	-5,086.6	76.3	2,139.6	1,988.7	150.92	14.177	
13,976.3	6,953.0	6,985.7	6,902.6	139.0	19.4	-87.85	-5,086.6	76.3	2,202.0	2,049.6	152.41	14.447	
14,000.0	6,952.8	6,985.3	6,902.3	139.5	19.4	-87.83	-5,086.6	76.3	2,221.5	2,068.6	152.88	14.531	
14,074.8	6,952.5	6,984.3	6,901.2	140.9	19.4	-87.79	-5,086.6	76.3	2,283.7	2,129.4	154.34	14.796	
14,100.0	6,952.4	6,984.0	6,900.9	141.4	19.4	-87.77	-5,086.6	76.2	2,304.9	2,150.1	154.84	14.886	
14,170.4	6,952.0	6,983.0	6,899.9	142.8	19.4	-87.73	-5,086.6	76.2	2,364.3	2,208.2	156.16	15.141	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-32D - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 289-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	171.39	-5,118.5	775.3	5,176.9				
98.4	98.4	87.8	87.8	0.1	0.1	171.39	-5,118.5	775.3	5,176.9	5,176.7	0.18	N/A	
100.0	100.0	89.4	89.4	0.1	0.1	171.39	-5,118.5	775.3	5,176.9	5,176.7	0.18	N/A	
196.8	196.8	187.3	187.3	0.3	0.2	171.39	-5,118.5	775.2	5,176.8	5,176.3	0.49	N/A	
200.0	200.0	190.5	190.5	0.3	0.2	171.39	-5,118.5	775.2	5,176.8	5,176.3	0.50	N/A	
295.3	295.3	286.7	286.7	0.5	0.3	171.39	-5,118.4	775.1	5,176.8	5,176.0	0.80	6,432.291	
300.0	300.0	291.5	291.5	0.5	0.3	171.39	-5,118.4	775.0	5,176.8	5,176.0	0.82	6,293.593	
393.7	393.7	386.5	386.5	0.8	0.5	171.39	-5,118.4	775.1	5,176.7	5,175.5	1.23	4,223.843	
400.0	400.0	393.0	393.0	0.8	0.5	171.39	-5,118.4	775.1	5,176.7	5,175.5	1.25	4,130.848	
492.1	492.1	509.7	509.7	1.0	0.7	171.41	-5,118.5	773.1	5,176.6	5,174.9	1.71	3,033.344	
500.0	500.0	536.6	536.6	1.0	0.8	171.42	-5,118.4	772.1	5,176.5	5,174.8	1.78	2,900.506	
590.5	590.5	635.0	634.8	1.2	1.0	171.47	-5,117.7	767.3	5,175.3	5,173.0	2.21	2,340.735	
600.0	600.0	701.2	700.9	1.2	1.2	171.52	-5,117.3	762.9	5,175.1	5,172.7	2.38	2,174.578	
689.0	689.0	810.0	809.3	1.4	1.4	171.62	-5,116.0	753.6	5,172.9	5,170.1	2.83	1,827.413	
700.0	700.0	824.7	823.9	1.4	1.5	171.64	-5,115.9	752.1	5,172.6	5,169.7	2.89	1,788.703	
787.4	787.4	903.6	902.3	1.6	1.7	171.74	-5,115.2	742.8	5,170.4	5,167.1	3.28	1,575.370	
800.0	800.0	914.9	913.5	1.7	1.7	171.75	-5,115.2	741.3	5,170.1	5,166.8	3.34	1,548.741	
885.8	885.8	1,067.0	1,063.7	1.9	2.2	172.01	-5,114.0	717.7	5,167.6	5,163.7	3.92	1,318.715	
900.0	900.0	1,067.0	1,063.7	1.9	2.2	172.01	-5,114.0	717.7	5,167.1	5,163.1	3.95	1,307.953	
984.2	984.2	1,130.8	1,126.4	2.1	2.5	172.14	-5,113.4	706.0	5,164.2	5,159.9	4.31	1,197.913	
1,000.0	1,000.0	1,140.0	1,135.4	2.1	2.5	172.16	-5,113.4	704.2	5,163.8	5,159.4	4.37	1,181.308	
1,082.7	1,082.7	1,195.0	1,189.2	2.3	2.7	-110.43	-5,113.7	692.7	5,162.1	5,157.1	5.02	1,027.972	
1,100.0	1,100.0	1,204.0	1,198.0	2.3	2.8	-110.41	-5,113.8	690.6	5,162.0	5,156.9	5.10	1,012.050	
1,181.1	1,181.0	1,322.9	1,313.4	2.5	3.3	-110.17	-5,114.7	662.1	5,161.3	5,155.5	5.82	886.970	
1,200.0	1,199.8	1,350.5	1,340.0	2.5	3.5	-110.11	-5,114.9	654.9	5,161.2	5,155.2	6.01	859.370	
1,278.8	1,278.4	1,452.0	1,437.4	2.7	4.0	-109.88	-5,115.3	626.3	5,160.9	5,154.2	6.73	767.267	
1,279.5	1,279.1	1,452.0	1,437.4	2.7	4.0	-109.88	-5,115.3	626.3	5,160.9	5,154.2	6.73	767.084	
1,292.2	1,291.7	1,468.3	1,452.9	2.8	4.1	-109.85	-5,115.4	621.4	5,160.9	5,154.1	6.86	752.728	
1,300.0	1,299.5	1,474.0	1,458.4	2.8	4.2	-109.83	-5,115.4	619.7	5,160.9	5,154.0	6.91	747.030	
1,377.9	1,376.9	1,530.8	1,512.4	3.0	4.5	-109.69	-5,115.9	602.0	5,161.7	5,154.2	7.45	693.113	
1,400.0	1,398.7	1,546.8	1,527.6	3.0	4.6	-109.65	-5,116.1	596.9	5,162.1	5,154.5	7.60	679.297	
1,476.4	1,474.2	1,606.5	1,583.9	3.2	5.0	-109.49	-5,117.1	577.2	5,164.1	5,155.9	8.19	630.789	
1,500.0	1,497.5	1,626.9	1,603.1	3.3	5.1	-109.43	-5,117.5	570.4	5,164.9	5,156.5	8.39	615.855	
1,574.8	1,571.0	1,691.5	1,663.9	3.5	5.6	-109.25	-5,118.7	548.7	5,167.9	5,158.9	9.05	571.155	
1,600.0	1,595.6	1,837.0	1,799.9	3.6	6.6	-108.97	-5,120.5	497.0	5,169.0	5,158.8	10.15	509.141	
1,673.2	1,667.0	1,883.3	1,842.8	3.9	6.9	-108.83	-5,120.7	479.4	5,171.4	5,160.6	10.77	480.010	
1,700.0	1,693.1	1,898.4	1,856.7	4.0	7.1	-108.78	-5,120.8	473.5	5,172.5	5,161.5	10.99	470.844	
1,735.7	1,727.6	1,918.5	1,875.1	4.1	7.2	-108.71	-5,121.1	465.7	5,174.2	5,163.0	11.28	458.654	
1,771.6	1,762.4	1,966.0	1,918.7	4.3	7.6	-108.62	-5,121.9	446.6	5,176.3	5,164.5	11.80	438.580	
1,800.0	1,789.8	1,966.0	1,918.7	4.4	7.6	-108.62	-5,121.9	446.6	5,177.8	5,165.9	11.92	434.422	
1,870.1	1,857.6	2,262.8	2,186.1	4.7	10.2	-107.96	-5,120.8	318.1	5,179.1	5,164.3	14.82	349.465	
1,900.0	1,886.6	2,282.8	2,203.8	4.8	10.4	-107.91	-5,120.5	308.9	5,179.6	5,164.4	15.14	342.064	
1,968.5	1,952.8	2,328.3	2,244.0	5.2	10.8	-107.79	-5,119.8	287.6	5,180.8	5,164.9	15.89	326.017	
2,000.0	1,983.3	2,351.0	2,264.1	5.3	11.1	-107.73	-5,119.6	276.9	5,181.4	5,165.2	16.25	318.796	
2,066.9	2,048.0	2,479.0	2,377.1	5.6	12.2	-107.40	-5,117.3	217.0	5,182.4	5,164.7	17.75	291.928	
2,100.0	2,080.0	2,479.0	2,377.1	5.8	12.2	-107.40	-5,117.3	217.0	5,182.9	5,165.0	17.91	289.443	
2,165.3	2,143.2	2,530.2	2,422.5	6.1	12.7	-107.27	-5,116.3	193.3	5,183.9	5,165.2	18.66	277.766	
2,200.0	2,176.7	2,546.4	2,436.9	6.3	12.8	-107.23	-5,116.1	185.9	5,184.6	5,165.6	18.97	273.318	
2,263.8	2,238.4	2,608.0	2,491.8	6.6	13.4	-107.08	-5,115.7	157.9	5,186.5	5,166.7	19.82	261.746	
2,300.0	2,273.4	2,608.0	2,491.8	6.8	13.4	-107.08	-5,115.7	157.9	5,187.5	5,167.5	19.99	259.493	
2,362.2	2,333.6	2,777.6	2,642.0	7.1	15.0	-106.64	-5,112.9	79.2	5,188.6	5,166.7	21.91	236.770	
2,400.0	2,370.2	2,805.8	2,666.7	7.3	15.3	-106.56	-5,112.3	65.7	5,189.1	5,166.7	22.39	231.744	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 289-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,460.6	2,428.8	2,864.0	2,717.6	7.6	15.9	-106.40	-5,111.1	37.4	5,190.0	5,166.7	23.30	222.783	
2,500.0	2,466.9	2,864.0	2,717.6	7.8	15.9	-106.40	-5,111.1	37.4	5,190.7	5,167.2	23.49	220.950	
2,559.0	2,524.0	2,902.3	2,750.8	8.1	16.3	-106.29	-5,110.6	18.5	5,192.1	5,167.8	24.21	214.471	
2,600.0	2,563.6	2,921.6	2,767.6	8.3	16.5	-106.23	-5,110.4	8.8	5,193.2	5,168.6	24.63	210.876	
2,657.5	2,619.2	2,948.7	2,791.0	8.6	16.8	-106.15	-5,110.3	-4.8	5,195.1	5,169.9	25.22	206.031	
2,700.0	2,660.3	2,993.0	2,829.1	8.8	17.3	-106.01	-5,110.6	-27.5	5,196.9	5,171.0	25.92	200.522	
2,755.9	2,714.4	2,993.0	2,829.1	9.1	17.3	-106.01	-5,110.6	-27.5	5,199.2	5,173.0	26.20	198.425	
2,800.0	2,757.0	3,022.2	2,854.1	9.4	17.6	-105.91	-5,110.9	-42.6	5,201.4	5,174.6	26.76	194.364	
2,854.3	2,809.6	3,055.2	2,882.3	9.6	18.0	-105.81	-5,111.4	-59.7	5,204.2	5,176.8	27.42	189.819	
2,900.0	2,853.8	3,082.9	2,905.8	9.9	18.3	-105.71	-5,111.9	-74.2	5,206.8	5,178.9	27.97	186.173	
2,952.7	2,904.8	3,121.0	2,938.3	10.2	18.7	-105.59	-5,112.8	-94.2	5,210.0	5,181.3	28.68	181.686	
3,000.0	2,950.5	3,215.2	3,018.8	10.4	19.7	-105.28	-5,114.6	-143.2	5,212.8	5,182.9	29.94	174.130	
3,051.2	3,000.0	3,378.0	3,159.3	10.7	21.4	-104.79	-5,114.5	-225.3	5,214.7	5,182.9	31.89	163.548	
3,100.0	3,047.2	3,378.0	3,159.3	10.9	21.4	-104.79	-5,114.5	-225.3	5,216.6	5,184.4	32.14	162.313	
3,149.6	3,095.2	3,432.7	3,206.9	11.2	21.9	-104.63	-5,114.0	-252.2	5,218.3	5,185.4	32.93	158.462	
3,200.0	3,143.9	3,454.7	3,226.1	11.5	22.1	-104.57	-5,114.0	-262.8	5,220.5	5,187.1	33.41	156.265	
3,248.0	3,190.4	3,506.0	3,271.6	11.7	22.6	-104.44	-5,114.3	-286.7	5,223.1	5,189.0	34.16	152.903	
3,300.0	3,240.6	3,506.0	3,271.6	12.0	22.6	-104.44	-5,114.3	-286.7	5,225.8	5,191.4	34.43	151.772	
3,346.4	3,285.6	3,530.7	3,293.6	12.3	22.9	-104.38	-5,114.7	-298.0	5,228.6	5,193.7	34.90	149.823	
3,400.0	3,337.4	3,575.6	3,333.5	12.5	23.3	-104.27	-5,115.3	-318.4	5,232.0	5,196.4	35.58	147.030	
3,444.9	3,380.8	3,613.2	3,367.1	12.8	23.6	-104.18	-5,115.9	-335.3	5,234.8	5,198.7	36.16	144.770	
3,500.0	3,434.1	3,696.2	3,441.3	13.1	24.3	-103.98	-5,117.0	-372.5	5,238.3	5,201.1	37.19	140.839	
3,543.3	3,476.0	3,763.0	3,501.2	13.3	24.9	-103.83	-5,117.5	-402.0	5,240.8	5,202.7	38.02	137.846	
3,600.0	3,530.8	3,813.9	3,546.9	13.6	25.4	-103.72	-5,117.7	-424.3	5,243.9	5,205.1	38.77	135.268	
3,641.7	3,571.2	3,844.9	3,574.9	13.8	25.6	-103.65	-5,117.9	-437.9	5,246.3	5,207.0	39.26	133.625	
3,700.0	3,627.5	3,892.0	3,617.3	14.2	26.1	-103.55	-5,118.4	-458.3	5,249.8	5,209.8	39.98	131.297	
3,740.1	3,666.4	3,948.6	3,668.2	14.4	26.6	-103.42	-5,118.8	-483.1	5,252.2	5,211.5	40.72	128.974	
3,800.0	3,724.2	4,068.7	3,775.1	14.7	27.7	-103.13	-5,119.1	-537.8	5,255.5	5,213.3	42.21	124.512	
3,838.6	3,761.6	4,148.0	3,844.5	14.9	28.6	-102.91	-5,118.3	-576.1	5,257.1	5,213.8	43.24	121.593	
3,900.0	3,821.0	4,187.3	3,878.6	15.2	29.0	-102.80	-5,117.8	-595.6	5,259.6	5,215.6	43.98	119.582	
3,937.0	3,856.8	4,206.6	3,895.3	15.4	29.2	-102.74	-5,117.7	-605.2	5,261.3	5,216.9	44.39	118.531	
4,000.0	3,917.7	4,239.4	3,923.8	15.8	29.5	-102.65	-5,117.6	-621.5	5,264.5	5,219.5	45.08	116.792	
4,035.4	3,951.9	4,277.0	3,956.4	16.0	29.9	-102.54	-5,117.7	-640.2	5,266.6	5,220.9	45.67	115.320	
4,100.0	4,014.4	4,314.5	3,988.9	16.3	30.3	-102.43	-5,117.9	-659.0	5,270.4	5,223.9	46.42	113.540	
4,133.8	4,047.1	4,360.1	4,028.4	16.5	30.8	-102.29	-5,118.1	-681.8	5,272.3	5,225.2	47.09	111.957	
4,200.0	4,111.1	4,436.6	4,094.6	16.9	31.6	-102.07	-5,118.1	-720.2	5,276.0	5,227.8	48.25	109.337	
4,232.3	4,142.3	4,467.9	4,121.8	17.0	31.9	-101.98	-5,118.0	-735.6	5,277.8	5,229.1	48.75	108.269	
4,300.0	4,207.8	4,534.0	4,179.9	17.4	32.6	-101.81	-5,118.0	-767.1	5,281.7	5,231.9	49.79	106.089	
4,330.7	4,237.5	4,534.0	4,179.9	17.6	32.6	-101.81	-5,118.0	-767.1	5,283.5	5,233.5	49.95	105.776	
4,400.0	4,304.6	4,596.9	4,235.7	17.9	33.2	-101.65	-5,118.1	-796.2	5,287.7	5,236.8	50.91	103.865	
4,429.1	4,332.7	4,615.3	4,252.1	18.1	33.4	-101.61	-5,118.3	-804.6	5,289.6	5,238.4	51.24	103.238	
4,500.0	4,401.3	4,949.2	4,551.0	18.5	36.4	-100.85	-5,112.1	-953.1	5,292.1	5,237.4	54.68	96.779	
4,527.5	4,427.9	4,967.3	4,567.2	18.6	36.6	-100.81	-5,111.3	-961.0	5,292.6	5,237.6	54.99	96.244	
4,600.0	4,498.0	5,014.8	4,610.0	19.0	37.0	-100.72	-5,109.5	-981.5	5,294.2	5,238.4	55.81	94.869	
4,626.0	4,523.1	5,047.0	4,639.2	19.2	37.3	-100.65	-5,108.4	-995.2	5,294.9	5,238.7	56.23	94.160	
4,700.0	4,594.7	5,204.6	4,783.0	19.6	38.6	-100.37	-5,101.3	-1,059.1	5,296.0	5,238.0	57.92	91.429	
4,724.4	4,618.3	5,220.7	4,797.8	19.7	38.7	-100.34	-5,100.4	-1,065.3	5,296.2	5,238.0	58.18	91.034	
4,800.0	4,691.5	5,270.5	4,844.0	20.1	39.1	-100.27	-5,098.1	-1,084.0	5,297.1	5,238.1	58.96	89.835	
4,822.8	4,713.5	5,304.0	4,875.1	20.2	39.3	-100.23	-5,096.6	-1,096.2	5,297.5	5,238.2	59.34	89.269	
4,900.0	4,788.2	5,304.0	4,875.1	20.7	39.3	-100.23	-5,096.6	-1,096.2	5,299.1	5,239.3	59.76	88.673	
4,921.2	4,808.7	5,339.0	4,907.9	20.8	39.6	-100.18	-5,095.3	-1,108.5	5,299.5	5,239.4	60.11	88.169	
5,000.0	4,884.9	5,378.3	4,944.8	21.2	39.8	-100.15	-5,094.1	-1,121.8	5,301.7	5,240.9	60.79	87.214	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 289-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,019.7	4,903.9	5,388.1	4,954.1	21.3	39.9	-100.14	-5,093.8	-1,125.0	5,302.4	5,241.4	60.96	86.980		
5,100.0	4,981.6	5,432.0	4,995.7	21.8	40.2	-100.10	-5,093.0	-1,138.9	5,305.4	5,243.7	61.68	86.009		
5,118.1	4,999.1	5,441.1	5,004.4	21.8	40.2	-100.10	-5,092.8	-1,141.7	5,306.2	5,244.3	61.84	85.809		
5,200.0	5,078.3	5,511.8	5,071.7	22.3	40.6	-100.05	-5,091.8	-1,163.4	5,309.8	5,247.1	62.71	84.673		
5,216.5	5,094.3	5,526.1	5,085.3	22.4	40.7	-100.04	-5,091.6	-1,167.8	5,310.5	5,247.6	62.88	84.448		
5,300.0	5,175.1	5,605.9	5,161.3	22.8	41.2	-100.00	-5,090.7	-1,192.0	5,314.3	5,250.5	63.80	83.292		
5,314.9	5,189.5	5,621.5	5,176.2	22.9	41.3	-99.99	-5,090.5	-1,196.5	5,315.0	5,251.1	63.97	83.082		
5,400.0	5,271.8	5,706.8	5,258.1	23.4	41.8	-99.96	-5,089.5	-1,220.2	5,318.9	5,254.0	64.90	81.952		
5,413.4	5,284.7	5,718.4	5,269.4	23.5	41.8	-99.96	-5,089.4	-1,223.2	5,319.5	5,254.5	65.03	81.799		
5,500.0	5,368.5	5,793.8	5,342.4	23.9	42.2	-99.96	-5,088.8	-1,241.9	5,323.6	5,257.7	65.86	80.827		
5,511.8	5,379.9	5,804.1	5,352.4	24.0	42.2	-99.96	-5,088.7	-1,244.3	5,324.2	5,258.2	65.98	80.696		
5,600.0	5,465.2	5,866.7	5,413.5	24.5	42.5	-99.98	-5,088.4	-1,258.1	5,328.6	5,261.9	66.72	79.871		
5,610.2	5,475.1	5,873.6	5,420.2	24.5	42.5	-99.99	-5,088.4	-1,259.6	5,329.2	5,262.4	66.80	79.780		
5,647.2	5,510.9	5,898.5	5,444.6	24.7	42.6	-100.00	-5,088.5	-1,264.6	5,331.2	5,264.1	67.10	79.455		
5,700.0	5,562.1	5,946.0	5,491.2	25.0	42.8	-100.08	-5,088.7	-1,273.8	5,334.2	5,266.7	67.54	78.982		
5,708.6	5,570.5	5,946.0	5,491.2	25.0	42.8	-100.09	-5,088.7	-1,273.8	5,334.7	5,267.1	67.57	78.952		
5,800.0	5,659.6	6,023.1	5,567.3	25.3	43.1	-100.23	-5,089.4	-1,286.6	5,339.6	5,271.5	68.14	78.358		
5,807.1	5,666.6	6,029.8	5,573.8	25.4	43.1	-100.24	-5,089.4	-1,287.6	5,340.0	5,271.8	68.19	78.313		
5,900.0	5,757.9	6,156.0	5,699.1	25.7	43.4	-100.40	-5,090.5	-1,303.2	5,344.4	5,275.6	68.81	77.665		
5,905.5	5,763.3	6,165.8	5,708.9	25.7	43.4	-100.41	-5,090.6	-1,304.2	5,344.6	5,275.8	68.85	77.625		
6,000.0	5,856.7	6,303.0	5,845.5	26.0	43.7	-100.57	-5,090.7	-1,315.7	5,347.6	5,278.2	69.37	77.090		
6,003.9	5,860.6	6,308.3	5,850.8	26.0	43.7	-100.57	-5,090.7	-1,316.0	5,347.7	5,278.3	69.39	77.071		
6,100.0	5,956.1	6,376.9	5,919.3	26.2	43.8	-100.67	-5,090.6	-1,319.3	5,349.8	5,280.1	69.70	76.754		
6,102.3	5,958.4	6,378.2	5,920.7	26.2	43.8	-100.67	-5,090.6	-1,319.4	5,349.9	5,280.2	69.71	76.748		
6,200.0	6,055.7	6,460.0	6,002.4	26.4	43.9	-100.75	-5,091.4	-1,322.3	5,352.3	5,282.3	69.99	76.477		
6,200.8	6,056.5	6,460.0	6,002.4	26.4	43.9	-100.75	-5,091.4	-1,322.3	5,352.3	5,282.3	69.99	76.478		
6,299.2	6,154.8	6,512.3	6,054.7	26.5	43.9	-100.80	-5,092.2	-1,323.5	5,354.6	5,284.4	70.17	76.308		
6,300.0	6,155.6	6,513.1	6,055.4	26.5	43.9	-100.80	-5,092.2	-1,323.5	5,354.6	5,284.4	70.17	76.307		
6,382.9	6,238.5	6,603.6	6,145.9	26.6	44.0	-178.16	-5,093.7	-1,324.3	5,356.2	5,285.9	70.32	76.169		
6,397.6	6,253.2	6,672.6	6,215.0	26.6	44.0	-178.16	-5,094.4	-1,324.2	5,356.4	5,286.0	70.37	76.113		
6,400.0	6,255.6	6,683.7	6,226.1	26.6	44.0	-178.16	-5,094.4	-1,324.1	5,356.4	5,286.0	70.38	76.104		
6,412.9	6,268.5	6,740.4	6,282.8	26.6	44.1	-178.17	-5,094.4	-1,323.8	5,356.4	5,286.0	70.43	76.050		
6,450.0	6,305.6	6,855.0	6,397.3	26.7	44.1	1.64	-5,092.9	-1,324.7	5,354.9	5,284.4	70.45	76.011		
6,496.0	6,351.5	6,895.2	6,437.5	26.7	44.2	1.65	-5,092.1	-1,325.3	5,350.2	5,280.0	70.14	76.281		
6,500.0	6,355.4	6,898.7	6,441.0	26.7	44.2	1.66	-5,092.1	-1,325.4	5,349.6	5,279.5	70.10	76.316		
6,550.0	6,404.8	6,941.9	6,484.2	26.7	44.2	1.68	-5,091.3	-1,325.8	5,341.0	5,271.6	69.43	76.930		
6,594.5	6,448.1	6,996.3	6,538.6	26.8	44.3	1.72	-5,090.3	-1,326.2	5,330.4	5,261.9	68.57	77.732		
6,600.0	6,453.5	7,012.1	6,554.4	26.8	44.3	1.73	-5,090.0	-1,326.3	5,328.9	5,260.5	68.46	77.841		
6,650.0	6,501.3	7,102.0	6,644.3	26.8	44.3	1.79	-5,087.6	-1,327.5	5,313.0	5,245.8	67.20	79.064		
6,692.9	6,541.4	7,136.2	6,678.5	26.8	44.4	1.85	-5,086.5	-1,328.0	5,296.7	5,230.8	65.85	80.438		
6,700.0	6,548.0	7,140.1	6,682.4	26.8	44.4	1.86	-5,086.4	-1,328.1	5,293.8	5,228.2	65.60	80.695		
6,750.0	6,593.3	7,167.2	6,709.4	26.8	44.4	1.93	-5,085.7	-1,328.6	5,271.5	5,207.8	63.71	82.747		
6,791.3	6,629.6	7,188.9	6,731.1	26.8	44.4	2.01	-5,085.2	-1,329.1	5,250.9	5,189.0	61.93	84.787		
6,800.0	6,637.0	7,193.4	6,735.6	26.8	44.4	2.03	-5,085.1	-1,329.2	5,246.3	5,184.8	61.53	85.258		
6,850.0	6,679.0	7,230.0	6,772.2	26.8	44.5	2.15	-5,084.4	-1,330.0	5,218.3	5,159.2	59.12	88.274		
6,889.7	6,710.9	7,242.3	6,784.4	26.8	44.5	2.25	-5,084.2	-1,330.3	5,194.1	5,137.1	57.01	91.115		
6,900.0	6,718.9	7,249.9	6,792.1	26.8	44.5	2.28	-5,084.0	-1,330.5	5,187.6	5,131.2	56.44	91.908		
6,950.0	6,756.7	7,286.1	6,828.2	26.8	44.5	2.46	-5,083.4	-1,331.4	5,154.2	5,100.7	53.57	96.208		
6,988.2	6,783.9	7,312.1	6,854.2	26.8	44.6	2.62	-5,083.0	-1,332.1	5,127.1	5,075.8	51.25	100.033		
7,000.0	6,792.0	7,319.9	6,862.0	26.8	44.6	2.67	-5,082.8	-1,332.3	5,118.4	5,067.8	50.52	101.323		
7,050.0	6,824.8	7,351.2	6,893.3	26.8	44.6	2.94	-5,082.3	-1,333.1	5,080.1	5,032.8	47.30	107.398		
7,086.6	6,847.2	7,375.8	6,917.9	26.8	44.6	3.18	-5,081.9	-1,333.8	5,050.8	5,005.9	44.88	112.539		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-32D - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 289-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,100.0	6,854.9	7,384.9	6,927.0	26.8	44.6	3.28	-5,081.7	-1,334.0	5,039.8	4,995.8	43.99	114.579	
7,150.0	6,882.2	7,416.7	6,958.8	26.8	44.7	3.73	-5,081.2	-1,335.0	4,997.4	4,956.8	40.61	123.046	
7,185.0	6,899.5	7,436.7	6,978.8	26.8	44.7	4.12	-5,080.8	-1,335.7	4,966.7	4,928.4	38.26	129.814	
7,200.0	6,906.5	7,444.7	6,986.8	26.9	44.7	4.32	-5,080.6	-1,335.9	4,953.3	4,916.1	37.26	132.935	
7,250.0	6,927.6	7,468.9	7,011.0	26.9	44.7	5.14	-5,080.1	-1,336.8	4,907.7	4,873.6	34.03	144.198	
7,283.4	6,940.0	7,482.9	7,024.9	27.0	44.7	5.88	-5,079.8	-1,337.3	4,876.4	4,844.3	32.03	152.267	
7,300.0	6,945.5	7,489.6	7,031.6	27.0	44.8	6.33	-5,079.7	-1,337.6	4,860.7	4,829.6	31.10	156.301	
7,350.0	6,960.2	7,509.3	7,051.3	27.1	44.8	8.23	-5,079.3	-1,338.3	4,812.6	4,783.9	28.74	167.446	
7,381.9	6,967.8	7,519.2	7,061.2	27.2	44.8	10.14	-5,079.0	-1,338.6	4,781.5	4,753.7	27.77	172.168	
7,400.0	6,971.5	7,523.9	7,065.9	27.2	44.8	11.67	-5,078.9	-1,338.7	4,763.7	4,736.2	27.52	173.128	
7,450.0	6,979.3	7,533.5	7,075.5	27.4	44.8	19.56	-5,078.7	-1,339.0	4,714.2	4,685.3	28.92	163.016	
7,480.3	6,982.4	7,536.8	7,078.8	27.5	44.8	31.89	-5,078.6	-1,339.1	4,684.0	4,650.9	33.10	141.503	
7,500.0	6,983.7	7,538.0	7,080.0	27.5	44.8	50.27	-5,078.6	-1,339.1	4,664.4	4,626.0	38.34	121.652	
7,541.4	6,984.7	7,538.0	7,080.0	27.7	44.8	127.77	-5,078.6	-1,339.1	4,623.0	4,596.1	26.94	171.602	
7,578.7	6,984.5	7,536.5	7,078.5	27.9	44.8	127.45	-5,078.6	-1,339.1	4,585.7	4,558.3	27.36	167.577	
7,600.0	6,984.4	7,535.6	7,077.6	28.0	44.8	127.26	-5,078.7	-1,339.1	4,564.4	4,536.8	27.61	165.336	
7,677.1	6,984.0	7,532.5	7,074.5	28.5	44.8	126.59	-5,078.7	-1,339.0	4,487.4	4,458.8	28.54	157.211	
7,700.0	6,983.9	7,531.6	7,073.5	28.6	44.8	126.39	-5,078.7	-1,339.0	4,464.6	4,435.7	28.82	154.901	
7,775.6	6,983.5	7,528.5	7,070.5	29.2	44.8	125.73	-5,078.8	-1,338.9	4,389.1	4,359.2	29.82	147.195	
7,800.0	6,983.4	7,527.6	7,069.6	29.4	44.8	125.52	-5,078.8	-1,338.8	4,364.7	4,334.5	30.14	144.808	
7,874.0	6,983.1	7,524.7	7,066.7	30.0	44.8	124.86	-5,078.9	-1,338.8	4,290.7	4,259.5	31.21	137.483	
7,900.0	6,982.9	7,523.6	7,065.6	30.3	44.8	124.64	-5,078.9	-1,338.7	4,264.8	4,233.2	31.59	135.022	
7,972.4	6,982.6	7,520.8	7,062.8	31.0	44.8	123.99	-5,079.0	-1,338.6	4,192.4	4,159.7	32.71	128.168	
8,000.0	6,982.4	7,519.8	7,061.8	31.3	44.8	123.75	-5,079.0	-1,338.6	4,164.9	4,131.7	33.14	125.676	
8,070.8	6,982.1	7,517.1	7,059.1	32.1	44.8	123.11	-5,079.1	-1,338.5	4,094.1	4,059.8	34.31	119.337	
8,100.0	6,982.0	7,516.0	7,058.0	32.4	44.8	122.86	-5,079.1	-1,338.5	4,065.0	4,030.2	34.79	116.848	
8,169.3	6,981.6	7,513.4	7,055.4	33.2	44.8	122.23	-5,079.2	-1,338.4	3,995.8	3,959.8	35.99	111.034	
8,200.0	6,981.5	7,512.2	7,054.2	33.6	44.8	121.96	-5,079.2	-1,338.4	3,965.1	3,928.6	36.52	108.573	
8,267.7	6,981.1	7,509.7	7,051.7	34.5	44.8	121.35	-5,079.3	-1,338.3	3,897.5	3,859.8	37.74	103.272	
8,300.0	6,981.0	7,508.5	7,050.5	34.9	44.8	121.05	-5,079.3	-1,338.2	3,865.3	3,826.9	38.32	100.857	
8,366.1	6,980.7	7,506.1	7,048.1	35.8	44.8	120.45	-5,079.3	-1,338.2	3,799.2	3,759.7	39.56	96.043	
8,400.0	6,980.5	7,504.9	7,046.9	36.3	44.8	120.15	-5,079.4	-1,338.1	3,765.4	3,725.2	40.19	93.687	
8,464.5	6,980.2	7,502.6	7,044.6	37.2	44.8	119.56	-5,079.4	-1,338.0	3,700.9	3,659.5	41.43	89.326	
8,500.0	6,980.0	7,501.3	7,043.3	37.7	44.8	119.24	-5,079.4	-1,338.0	3,665.5	3,623.4	42.11	87.038	
8,563.0	6,979.7	7,499.1	7,041.1	38.6	44.8	118.66	-5,079.5	-1,337.9	3,602.6	3,559.3	43.36	83.095	
8,600.0	6,979.5	7,497.8	7,039.8	39.1	44.8	118.32	-5,079.5	-1,337.9	3,565.6	3,521.6	44.09	80.878	
8,661.4	6,979.2	7,495.7	7,037.7	40.1	44.8	117.76	-5,079.6	-1,337.8	3,504.3	3,459.0	45.32	77.317	
8,700.0	6,979.0	7,494.3	7,036.4	40.7	44.8	117.40	-5,079.6	-1,337.7	3,465.8	3,419.7	46.10	75.174	
8,759.8	6,978.7	7,492.3	7,034.3	41.6	44.8	116.85	-5,079.6	-1,337.7	3,406.1	3,358.7	47.33	71.959	
8,800.0	6,978.5	7,490.9	7,032.9	42.2	44.8	116.48	-5,079.7	-1,337.6	3,365.9	3,317.8	48.16	69.891	
8,858.2	6,978.2	7,488.9	7,031.0	43.1	44.8	115.94	-5,079.7	-1,337.5	3,307.8	3,258.4	49.38	66.990	
8,900.0	6,978.0	7,487.5	7,029.6	43.8	44.8	115.56	-5,079.7	-1,337.5	3,266.1	3,215.8	50.25	64.995	
8,956.7	6,977.8	7,485.8	7,027.9	44.7	44.7	115.08	-5,079.8	-1,337.4	3,209.5	3,158.1	51.43	62.406	
9,000.0	6,977.5	7,484.6	7,026.6	45.4	44.7	114.73	-5,079.8	-1,337.4	3,166.3	3,113.9	52.32	60.512	
9,055.1	6,977.3	7,483.0	7,025.0	46.3	44.7	114.28	-5,079.8	-1,337.3	3,111.2	3,057.8	53.48	58.179	
9,100.0	6,977.1	7,481.7	7,023.7	47.1	44.7	113.92	-5,079.9	-1,337.3	3,066.4	3,012.0	54.42	56.350	
9,153.5	6,976.8	7,480.2	7,022.2	48.0	44.7	113.48	-5,079.9	-1,337.2	3,013.0	2,957.4	55.55	54.238	
9,200.0	6,976.6	7,478.8	7,020.9	48.8	44.7	113.10	-5,079.9	-1,337.2	2,966.6	2,910.1	56.54	52.472	
9,251.9	6,976.3	7,477.4	7,019.4	49.7	44.7	112.67	-5,080.0	-1,337.1	2,914.7	2,857.1	57.65	50.560	
9,300.0	6,976.1	7,476.0	7,018.0	50.5	44.7	112.28	-5,080.0	-1,337.0	2,866.8	2,808.1	58.68	48.855	
9,350.4	6,975.8	7,474.6	7,016.6	51.3	44.7	111.86	-5,080.0	-1,337.0	2,816.5	2,756.7	59.77	47.123	
9,400.0	6,975.6	7,473.2	7,015.2	52.2	44.7	111.45	-5,080.0	-1,336.9	2,767.0	2,706.1	60.84	45.476	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 289-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,448.8	6,975.3	7,471.8	7,013.9	53.1	44.7	111.05	-5,080.1	-1,336.9	2,718.3	2,656.4	61.91	43.907	
9,500.0	6,975.1	7,470.4	7,012.4	54.0	44.7	110.62	-5,080.1	-1,336.8	2,667.2	2,604.2	63.03	42.318	
9,547.2	6,974.9	7,469.1	7,011.1	54.8	44.7	110.23	-5,080.1	-1,336.8	2,620.1	2,556.0	64.07	40.896	
9,600.0	6,974.6	7,467.6	7,009.7	55.7	44.7	109.78	-5,080.2	-1,336.7	2,567.4	2,502.2	65.23	39.360	
9,645.6	6,974.4	7,466.4	7,008.4	56.5	44.7	109.40	-5,080.2	-1,336.7	2,521.9	2,455.6	66.24	38.072	
9,700.0	6,974.1	7,464.9	7,006.9	57.5	44.7	108.95	-5,080.2	-1,336.6	2,467.7	2,400.2	67.44	36.588	
9,744.1	6,973.9	7,463.7	7,005.7	58.3	44.7	108.58	-5,080.2	-1,336.6	2,423.7	2,355.3	68.43	35.420	
9,800.0	6,973.6	7,462.2	7,004.2	59.3	44.7	108.10	-5,080.3	-1,336.5	2,367.9	2,298.2	69.67	33.986	
9,842.5	6,973.4	7,461.0	7,003.1	60.0	44.7	107.75	-5,080.3	-1,336.5	2,325.5	2,254.9	70.63	32.928	
9,900.0	6,973.1	7,459.5	7,001.5	61.1	44.7	107.26	-5,080.3	-1,336.4	2,268.2	2,196.3	71.91	31.541	
9,940.9	6,972.9	7,458.4	7,000.4	61.8	44.7	106.91	-5,080.4	-1,336.4	2,227.4	2,154.6	72.83	30.582	
10,000.0	6,972.6	7,456.8	6,998.8	62.9	44.7	106.41	-5,080.4	-1,336.4	2,168.5	2,094.3	74.16	29.240	
10,039.3	6,972.4	7,455.7	6,997.8	63.6	44.7	106.08	-5,080.4	-1,336.3	2,129.3	2,054.2	75.05	28.371	
10,100.0	6,972.1	7,454.1	6,996.2	64.7	44.7	105.56	-5,080.4	-1,336.3	2,068.8	1,992.4	76.42	27.072	
10,137.8	6,972.0	7,453.1	6,995.2	65.4	44.7	105.24	-5,080.5	-1,336.2	2,031.2	1,953.9	77.27	26.286	
10,200.0	6,971.6	7,451.5	6,993.5	66.6	44.7	104.71	-5,080.5	-1,336.2	1,969.2	1,890.5	78.68	25.028	
10,236.2	6,971.5	7,450.5	6,992.6	67.2	44.7	104.41	-5,080.5	-1,336.1	1,933.1	1,853.6	79.50	24.316	
10,300.0	6,971.2	7,448.8	6,990.9	68.4	44.7	103.86	-5,080.5	-1,336.1	1,869.6	1,788.6	80.94	23.097	
10,334.6	6,971.0	7,447.9	6,990.0	69.0	44.7	103.57	-5,080.6	-1,336.0	1,835.1	1,753.4	81.73	22.453	
10,400.0	6,970.7	7,446.2	6,988.3	70.2	44.7	103.01	-5,080.6	-1,336.0	1,770.0	1,686.8	83.21	21.271	
10,433.0	6,970.5	7,445.4	6,987.5	70.9	44.7	102.73	-5,080.6	-1,336.0	1,737.1	1,653.1	83.96	20.689	
10,500.0	6,970.2	7,443.7	6,985.7	72.1	44.7	102.16	-5,080.6	-1,335.9	1,670.5	1,585.0	85.48	19.543	
10,531.5	6,970.0	7,442.8	6,984.9	72.7	44.7	101.89	-5,080.7	-1,335.9	1,639.2	1,553.0	86.19	19.017	
10,600.0	6,969.7	7,441.1	6,983.2	74.0	44.7	101.30	-5,080.7	-1,335.8	1,571.0	1,483.3	87.74	17.904	
10,629.9	6,969.5	7,440.3	6,982.4	74.5	44.7	101.05	-5,080.7	-1,335.8	1,541.3	1,452.9	88.42	17.431	
10,700.0	6,969.2	7,438.5	6,980.6	75.8	44.7	100.45	-5,080.7	-1,335.7	1,471.6	1,381.6	90.01	16.350	
10,728.3	6,969.0	7,437.8	6,979.9	76.4	44.7	100.21	-5,080.8	-1,335.7	1,443.5	1,352.8	90.65	15.924	
10,800.0	6,968.7	7,436.0	6,978.1	77.7	44.7	99.60	-5,080.8	-1,335.6	1,372.3	1,280.0	92.27	14.873	
10,826.7	6,968.6	7,435.4	6,977.4	78.2	44.7	99.37	-5,080.8	-1,335.6	1,345.7	1,252.9	92.87	14.491	
10,900.0	6,968.2	7,433.5	6,975.6	79.6	44.7	98.75	-5,080.8	-1,335.6	1,273.1	1,178.6	94.52	13.469	
10,925.2	6,968.1	7,432.9	6,975.0	80.1	44.7	98.53	-5,080.9	-1,335.5	1,248.1	1,153.0	95.08	13.127	
11,000.0	6,967.7	7,431.0	6,973.1	81.5	44.7	97.90	-5,080.9	-1,335.5	1,174.0	1,077.2	96.76	12.133	
11,023.6	6,967.6	7,430.4	6,972.5	81.9	44.7	97.70	-5,080.9	-1,335.5	1,150.6	1,053.3	97.29	11.827	
11,100.0	6,967.2	7,428.6	6,970.6	83.4	44.7	97.05	-5,080.9	-1,335.4	1,075.1	976.1	99.00	10.860	
11,122.0	6,967.1	7,428.0	6,970.1	83.8	44.7	96.86	-5,081.0	-1,335.4	1,053.3	953.8	99.49	10.587	
11,200.0	6,966.7	7,426.1	6,968.2	85.3	44.7	96.20	-5,081.0	-1,335.3	976.4	875.1	101.22	9.646	
11,220.4	6,966.6	7,425.6	6,967.7	85.7	44.7	96.03	-5,081.0	-1,335.3	956.2	854.5	101.68	9.404	
11,300.0	6,966.2	7,423.7	6,965.8	87.2	44.7	95.36	-5,081.0	-1,335.2	877.9	774.5	103.44	8.488	
11,318.9	6,966.1	7,423.2	6,965.3	87.5	44.7	95.20	-5,081.0	-1,335.2	859.4	755.5	103.85	8.275	
11,400.0	6,965.7	7,421.3	6,963.3	89.1	44.7	94.52	-5,081.1	-1,335.2	779.9	674.3	105.64	7.383	
11,417.3	6,965.6	7,420.8	6,962.9	89.4	44.7	94.37	-5,081.1	-1,335.1	763.0	657.0	106.02	7.197	
11,500.0	6,965.2	7,418.9	6,960.9	91.0	44.7	93.68	-5,081.1	-1,335.1	682.4	574.6	107.82	6.329	
11,515.7	6,965.2	7,418.5	6,960.6	91.3	44.7	93.55	-5,081.1	-1,335.1	667.2	559.0	108.16	6.168	
11,600.0	6,964.7	7,416.5	6,958.6	92.9	44.7	92.85	-5,081.2	-1,335.0	585.8	475.8	109.99	5.326	
11,614.1	6,964.7	7,416.1	6,958.2	93.2	44.7	92.73	-5,081.2	-1,335.0	572.2	462.0	110.30	5.188	
11,700.0	6,964.3	7,414.1	6,956.2	94.8	44.7	92.02	-5,081.2	-1,334.9	490.6	378.4	112.15	4.374	
11,712.6	6,964.2	7,413.8	6,955.9	95.1	44.7	91.92	-5,081.2	-1,334.9	478.7	366.3	112.42	4.258	
11,800.0	6,963.8	7,411.8	6,953.9	96.7	44.7	91.19	-5,081.3	-1,334.8	397.6	283.3	114.28	3.479	
11,811.0	6,963.7	7,411.5	6,953.6	97.0	44.7	91.10	-5,081.3	-1,334.8	387.6	273.1	114.52	3.384	
11,900.0	6,963.3	7,409.4	6,951.5	98.7	44.7	90.37	-5,081.3	-1,334.8	309.0	192.6	116.40	2.655	
11,909.4	6,963.2	7,409.2	6,951.3	98.9	44.7	90.30	-5,081.3	-1,334.8	301.1	184.5	116.60	2.582	
12,000.0	6,962.8	7,407.1	6,949.2	100.6	44.7	89.56	-5,081.3	-1,334.7	230.1	111.6	118.50	1.941	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-32D - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.0 usft
Survey Program: 289-MWD												<b>Offset Well Error:</b>	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,007.8	6,962.7	7,406.9	6,949.0	100.7	44.7	89.49	-5,081.3	-1,334.7	224.6	105.9	118.67	1.892	
12,100.0	6,962.3	7,404.8	6,946.9	102.5	44.7	88.75	-5,081.4	-1,334.6	174.2	53.6	120.58	1.444	Level 3
12,106.3	6,962.2	7,404.7	6,946.8	102.6	44.7	88.70	-5,081.4	-1,334.6	172.0	51.3	120.71	1.425	Level 3
12,163.0	6,962.0	7,403.4	6,945.5	103.7	44.7	88.24	-5,081.4	-1,334.6	162.4	40.5	121.88	1.332	Level 3, CC, ES, SF
12,200.0	6,961.8	7,402.5	6,944.6	104.5	44.7	87.94	-5,081.4	-1,334.6	166.5	43.9	122.64	1.358	Level 3
12,204.7	6,961.8	7,402.4	6,944.5	104.5	44.7	87.90	-5,081.4	-1,334.6	167.6	44.9	122.74	1.366	Level 3
12,300.0	6,961.3	7,400.3	6,942.4	106.4	44.6	87.14	-5,081.5	-1,334.5	212.4	87.7	124.68	1.704	
12,303.1	6,961.3	7,400.2	6,942.3	106.4	44.6	87.12	-5,081.5	-1,334.5	214.4	89.7	124.74	1.719	
12,400.0	6,960.8	7,398.0	6,940.1	108.3	44.6	86.34	-5,081.5	-1,334.4	288.5	161.8	126.72	2.277	
12,401.5	6,960.8	7,398.0	6,940.1	108.3	44.6	86.34	-5,081.5	-1,334.4	288.5	161.8	126.72	2.277	
12,500.0	6,960.3	7,395.8	6,937.9	110.3	44.6	85.56	-5,081.6	-1,334.4	374.0	245.3	128.68	2.906	
12,598.4	6,959.8	7,393.6	6,935.7	112.2	44.6	84.79	-5,081.6	-1,334.3	464.6	333.9	130.62	3.557	
12,600.0	6,959.8	7,393.6	6,935.7	112.2	44.6	84.78	-5,081.6	-1,334.3	466.1	335.4	130.65	3.567	
12,696.8	6,959.3	7,391.4	6,933.5	114.1	44.6	84.03	-5,081.6	-1,334.2	557.8	425.3	132.54	4.209	
12,700.0	6,959.3	7,391.4	6,933.5	114.1	44.6	84.01	-5,081.6	-1,334.2	560.9	428.3	132.60	4.230	
12,795.2	6,958.8	7,389.3	6,931.4	116.0	44.6	83.28	-5,081.7	-1,334.2	652.6	518.2	134.43	4.855	
12,800.0	6,958.8	7,389.2	6,931.3	116.1	44.6	83.24	-5,081.7	-1,334.2	657.2	522.7	134.52	4.885	
12,893.7	6,958.3	7,387.1	6,929.2	117.9	44.6	82.53	-5,081.7	-1,334.1	748.3	612.0	136.30	5.490	
12,900.0	6,958.3	7,387.0	6,929.1	118.0	44.6	82.48	-5,081.7	-1,334.1	754.5	618.0	136.41	5.531	
12,992.1	6,957.9	7,385.0	6,927.1	119.8	44.6	81.79	-5,081.7	-1,334.0	844.6	706.5	138.14	6.114	
13,000.0	6,957.8	7,384.8	6,926.9	120.0	44.6	81.73	-5,081.7	-1,334.0	852.4	714.1	138.29	6.164	
13,090.5	6,957.4	7,382.9	6,925.0	121.7	44.6	81.05	-5,081.8	-1,334.0	941.4	801.4	139.96	6.726	
13,100.0	6,957.3	7,382.7	6,924.8	121.9	44.6	80.98	-5,081.8	-1,334.0	950.7	810.6	140.13	6.784	
13,188.9	6,956.9	7,380.8	6,922.9	123.6	44.6	80.33	-5,081.8	-1,333.9	1,038.4	896.7	141.76	7.325	
13,200.0	6,956.8	7,380.6	6,922.7	123.9	44.6	80.24	-5,081.8	-1,333.9	1,049.3	907.4	141.96	7.392	
13,287.4	6,956.4	7,378.7	6,920.8	125.6	44.6	79.61	-5,081.9	-1,333.9	1,135.7	992.2	143.53	7.913	
13,300.0	6,956.3	7,378.4	6,920.6	125.8	44.6	79.51	-5,081.9	-1,333.9	1,148.2	1,004.5	143.75	7.987	
13,385.8	6,955.9	7,376.6	6,918.8	127.5	44.6	78.89	-5,081.9	-1,333.8	1,233.2	1,087.9	145.28	8.489	
13,400.0	6,955.8	7,376.3	6,918.5	127.8	44.6	78.79	-5,081.9	-1,333.8	1,247.3	1,101.7	145.53	8.571	
13,484.2	6,955.4	7,374.6	6,916.7	129.4	44.6	78.19	-5,081.9	-1,333.7	1,330.8	1,183.8	147.00	9.053	
13,500.0	6,955.3	7,374.3	6,916.4	129.7	44.6	78.08	-5,081.9	-1,333.7	1,346.5	1,199.2	147.27	9.143	
13,582.6	6,954.9	7,372.5	6,914.7	131.3	44.6	77.49	-5,082.0	-1,333.7	1,428.5	1,279.8	148.70	9.607	
13,600.0	6,954.8	7,372.2	6,914.3	131.7	44.6	77.37	-5,082.0	-1,333.7	1,445.8	1,296.8	149.00	9.703	
13,681.1	6,954.4	7,370.5	6,912.6	133.2	44.6	76.80	-5,082.0	-1,333.6	1,526.3	1,376.0	150.37	10.150	
13,700.0	6,954.3	7,370.1	6,912.2	133.6	44.6	76.67	-5,082.0	-1,333.6	1,545.1	1,394.4	150.69	10.254	
13,779.5	6,953.9	7,368.5	6,910.6	135.2	44.6	76.12	-5,082.0	-1,333.6	1,624.2	1,472.2	152.02	10.684	
13,800.0	6,953.8	7,368.1	6,910.2	135.6	44.6	75.98	-5,082.0	-1,333.6	1,644.6	1,492.2	152.37	10.794	
13,877.9	6,953.5	7,366.5	6,908.6	137.1	44.6	75.45	-5,082.1	-1,333.5	1,722.1	1,568.5	153.65	11.208	
13,900.0	6,953.3	7,366.1	6,908.2	137.5	44.6	75.30	-5,082.1	-1,333.5	1,744.1	1,590.1	154.01	11.324	
13,976.3	6,953.0	7,364.5	6,906.6	139.0	44.6	74.78	-5,082.1	-1,333.5	1,820.1	1,664.9	155.25	11.723	
14,000.0	6,952.8	7,364.0	6,906.2	139.5	44.6	74.62	-5,082.1	-1,333.5	1,843.7	1,688.0	155.64	11.846	
14,074.8	6,952.5	7,358.0	6,900.1	140.9	44.6	72.63	-5,082.2	-1,333.3	1,918.2	1,762.1	156.08	12.290	
14,100.0	6,952.4	7,358.0	6,900.1	141.4	44.6	72.63	-5,082.2	-1,333.3	1,943.3	1,786.7	156.56	12.413	
14,170.4	6,952.0	7,358.0	6,900.1	142.8	44.6	72.63	-5,082.2	-1,333.3	2,013.4	1,855.6	157.83	12.757	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-33D - Wellbore #1 - Wellbore #1													Offset Site Error: 0.0 usft	
Survey Program: 351-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	170.87	-5,118.5	822.7	5,184.2					
98.4	98.4	88.6	88.6	0.1	0.1	170.87	-5,118.5	822.6	5,184.2	5,184.0	0.18	N/A		
100.0	100.0	90.2	90.2	0.1	0.1	170.87	-5,118.5	822.6	5,184.2	5,184.0	0.19	N/A		
196.8	196.8	190.1	190.1	0.3	0.2	170.87	-5,118.5	822.3	5,184.1	5,183.6	0.50	N/A		
200.0	200.0	193.4	193.4	0.3	0.2	170.87	-5,118.5	822.2	5,184.1	5,183.6	0.51	N/A		
295.3	295.3	291.6	291.6	0.5	0.3	170.88	-5,118.4	821.7	5,183.9	5,183.1	0.82	6,319.518		
300.0	300.0	296.5	296.5	0.5	0.3	170.88	-5,118.4	821.6	5,183.9	5,183.1	0.84	6,203.289		
363.5	363.5	351.0	351.0	0.7	0.3	170.89	-5,118.4	821.2	5,183.8	5,182.8	1.03	5,025.473		
393.7	393.7	351.0	351.0	0.8	0.3	170.89	-5,118.4	821.2	5,183.9	5,182.8	1.10	4,715.262		
397.7	397.7	377.4	377.4	0.8	0.4	170.89	-5,118.4	820.9	5,183.8	5,182.7	1.17	4,442.137		
400.0	400.0	378.7	378.7	0.8	0.4	170.89	-5,118.4	820.9	5,183.8	5,182.7	1.18	4,410.981		
492.1	492.1	432.9	432.9	1.0	0.5	170.90	-5,118.9	819.9	5,184.3	5,182.8	1.50	3,449.985		
500.0	500.0	437.5	437.5	1.0	0.5	170.90	-5,118.9	819.8	5,184.4	5,182.9	1.53	3,386.943		
590.5	590.5	479.0	479.0	1.2	0.6	170.91	-5,119.6	818.8	5,185.6	5,183.8	1.83	2,839.173		
600.0	600.0	479.0	479.0	1.2	0.6	170.91	-5,119.6	818.8	5,185.8	5,184.0	1.85	2,806.638		
689.0	689.0	540.4	540.3	1.4	0.8	170.94	-5,121.3	816.5	5,187.7	5,185.5	2.19	2,368.040		
700.0	700.0	546.1	546.0	1.4	0.8	170.95	-5,121.5	816.2	5,188.0	5,185.8	2.23	2,327.729		
787.4	787.4	607.0	606.7	1.6	0.9	170.99	-5,124.0	812.6	5,190.8	5,188.2	2.57	2,022.454		
800.0	800.0	607.0	606.7	1.7	0.9	170.99	-5,124.0	812.6	5,191.2	5,188.6	2.59	2,000.545		
885.8	885.8	631.4	631.1	1.9	1.0	171.01	-5,125.4	811.0	5,194.8	5,191.9	2.85	1,823.387		
900.0	900.0	649.0	648.6	1.9	1.0	171.02	-5,126.4	809.7	5,195.5	5,192.6	2.92	1,776.377		
984.2	984.2	649.0	648.6	2.1	1.0	171.02	-5,126.4	809.7	5,200.0	5,196.9	3.11	1,669.821		
1,000.0	1,000.0	676.6	676.0	2.1	1.1	171.05	-5,128.3	807.7	5,200.9	5,197.7	3.21	1,618.207		
1,082.7	1,082.7	731.0	730.1	2.3	1.3	-111.47	-5,132.7	803.4	5,206.7	5,203.2	3.56	1,462.752		
1,100.0	1,100.0	731.0	730.1	2.3	1.3	-111.45	-5,132.7	803.4	5,208.1	5,204.5	3.60	1,447.769		
1,181.1	1,181.0	731.0	730.1	2.5	1.3	-111.31	-5,132.7	803.4	5,215.7	5,212.0	3.77	1,383.044		
1,200.0	1,199.8	765.2	764.1	2.5	1.4	-111.25	-5,135.8	800.5	5,217.6	5,213.7	3.91	1,334.274		
1,279.5	1,279.1	803.3	801.8	2.7	1.5	-111.07	-5,139.6	797.0	5,226.8	5,222.6	4.20	1,244.216		
1,300.0	1,299.5	813.1	811.5	2.8	1.5	-111.02	-5,140.6	796.1	5,229.3	5,225.1	4.28	1,223.112		
1,377.9	1,376.9	859.0	856.8	3.0	1.7	-110.81	-5,145.8	791.4	5,240.1	5,235.5	4.60	1,139.201		
1,400.0	1,398.7	859.0	856.8	3.0	1.7	-110.75	-5,145.8	791.4	5,243.3	5,238.7	4.65	1,126.691		
1,476.4	1,474.2	859.0	856.8	3.2	1.7	-110.52	-5,145.8	791.4	5,255.8	5,250.9	4.86	1,080.911		
1,500.0	1,497.5	903.2	900.4	3.3	1.8	-110.45	-5,151.3	786.5	5,259.6	5,254.5	5.07	1,036.958		
1,574.8	1,571.0	934.9	931.6	3.5	2.0	-110.21	-5,155.6	782.6	5,273.2	5,267.8	5.41	975.111		
1,600.0	1,595.6	945.6	942.1	3.6	2.0	-110.12	-5,157.1	781.3	5,278.0	5,272.5	5.52	956.083		
1,673.2	1,667.0	987.0	982.6	3.9	2.2	-109.86	-5,163.2	775.7	5,293.0	5,287.1	5.92	894.634		
1,700.0	1,693.1	987.0	982.6	4.0	2.2	-109.75	-5,163.2	775.7	5,298.7	5,292.7	6.01	881.483		
1,735.7	1,727.6	987.0	982.6	4.1	2.2	-109.59	-5,163.2	775.7	5,306.7	5,300.5	6.15	862.804		
1,771.6	1,762.4	1,024.9	1,019.7	4.3	2.3	-109.63	-5,169.2	770.3	5,314.8	5,308.3	6.44	825.452		
1,800.0	1,789.8	1,039.6	1,034.0	4.4	2.4	-109.64	-5,171.6	768.1	5,321.3	5,314.6	6.61	805.149		
1,870.1	1,857.6	1,075.9	1,069.3	4.7	2.6	-109.66	-5,177.7	762.5	5,337.6	5,330.6	7.04	757.696		
1,900.0	1,886.6	1,116.0	1,108.3	4.8	2.7	-109.69	-5,184.8	756.0	5,344.8	5,337.5	7.32	729.898		
1,968.5	1,952.8	1,116.0	1,108.3	5.2	2.7	-109.69	-5,184.8	756.0	5,361.3	5,353.6	7.63	702.757		
2,000.0	1,983.3	1,116.0	1,108.3	5.3	2.7	-109.69	-5,184.8	756.0	5,369.1	5,361.3	7.77	691.010		
2,066.9	2,048.0	1,171.0	1,161.5	5.6	3.0	-109.71	-5,195.0	746.5	5,385.7	5,377.4	8.31	648.328		
2,100.0	2,080.0	1,186.3	1,176.2	5.8	3.1	-109.72	-5,198.0	743.8	5,394.2	5,385.7	8.52	632.887		
2,165.3	2,143.2	1,244.0	1,231.8	6.1	3.4	-109.73	-5,209.6	733.3	5,411.3	5,402.2	9.07	596.437		
2,200.0	2,176.7	1,244.0	1,231.8	6.3	3.4	-109.73	-5,209.6	733.3	5,420.3	5,411.1	9.24	586.855		
2,263.8	2,238.4	1,274.2	1,260.7	6.6	3.6	-109.74	-5,215.9	727.5	5,437.3	5,427.7	9.68	561.816		
2,300.0	2,273.4	1,303.0	1,288.3	6.8	3.7	-109.75	-5,222.0	722.0	5,447.1	5,437.1	9.98	545.709		
2,362.2	2,333.6	1,352.4	1,335.6	7.1	4.0	-109.75	-5,232.5	712.2	5,464.0	5,453.5	10.51	520.000		
2,400.0	2,370.2	1,373.0	1,355.3	7.3	4.1	-109.75	-5,237.0	708.1	5,474.3	5,463.5	10.78	507.585		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-33D - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 351-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,460.6	2,428.8	1,407.1	1,387.7	7.6	4.4	-109.75	-5,244.5	701.0	5,491.0	5,479.8	11.25	487.927	
2,500.0	2,466.9	1,425.5	1,405.3	7.8	4.5	-109.75	-5,248.6	697.0	5,502.1	5,490.5	11.54	476.755	
2,559.0	2,524.0	1,453.1	1,431.4	8.1	4.6	-109.74	-5,255.0	690.8	5,518.9	5,506.9	11.97	460.905	
2,600.0	2,563.6	1,501.0	1,476.5	8.3	5.0	-109.73	-5,266.5	679.4	5,530.9	5,518.5	12.42	445.263	
2,657.5	2,619.2	1,501.0	1,476.5	8.6	5.0	-109.73	-5,266.5	679.4	5,547.6	5,534.9	12.71	436.491	
2,700.0	2,660.3	1,501.0	1,476.5	8.8	5.0	-109.73	-5,266.5	679.4	5,560.3	5,547.4	12.92	430.279	
2,755.9	2,714.4	1,501.0	1,476.5	9.1	5.0	-109.73	-5,266.5	679.4	5,577.4	5,564.2	13.20	422.396	
2,800.0	2,757.0	1,548.2	1,520.6	9.4	5.3	-109.70	-5,278.4	667.8	5,590.8	5,577.1	13.69	408.458	
2,854.3	2,809.6	1,566.6	1,537.8	9.6	5.4	-109.69	-5,283.3	663.3	5,607.8	5,593.7	14.06	398.713	
2,900.0	2,853.8	1,582.1	1,552.2	9.9	5.5	-109.69	-5,287.4	659.4	5,622.3	5,608.0	14.38	390.942	
2,952.7	2,904.8	1,629.0	1,595.7	10.2	5.8	-109.66	-5,300.5	647.8	5,639.6	5,624.7	14.91	378.276	
3,000.0	2,950.5	1,629.0	1,595.7	10.4	5.8	-109.66	-5,300.5	647.8	5,655.0	5,639.8	15.15	373.285	
3,051.2	3,000.0	1,640.4	1,606.3	10.7	5.9	-109.65	-5,303.7	644.9	5,672.0	5,656.5	15.47	366.632	
3,100.0	3,047.2	1,688.4	1,650.7	10.9	6.2	-109.62	-5,317.5	632.9	5,688.3	5,672.4	15.97	356.115	
3,149.6	3,095.2	1,737.3	1,696.0	11.2	6.6	-109.59	-5,331.4	620.7	5,704.9	5,688.4	16.48	346.074	
3,200.0	3,143.9	1,758.0	1,715.1	11.5	6.7	-109.58	-5,337.3	615.5	5,721.8	5,705.0	16.85	339.537	
3,248.0	3,190.4	1,792.5	1,746.9	11.7	7.0	-109.56	-5,347.3	606.7	5,738.1	5,720.8	17.30	331.683	
3,300.0	3,240.6	1,815.5	1,768.1	12.0	7.2	-109.54	-5,354.1	600.6	5,755.9	5,738.2	17.70	325.168	
3,346.4	3,285.6	1,836.0	1,786.8	12.3	7.3	-109.52	-5,360.3	595.0	5,772.0	5,753.9	18.06	319.600	
3,400.0	3,337.4	1,886.0	1,832.1	12.5	7.7	-109.47	-5,375.7	580.8	5,790.9	5,772.3	18.63	310.893	
3,444.9	3,380.8	1,886.0	1,832.1	12.8	7.7	-109.47	-5,375.7	580.8	5,806.7	5,787.8	18.86	307.908	
3,500.0	3,434.1	1,886.0	1,832.1	13.1	7.7	-109.47	-5,375.7	580.8	5,826.5	5,807.4	19.14	304.362	
3,543.3	3,476.0	1,925.0	1,867.3	13.3	8.0	-109.43	-5,388.0	569.3	5,842.1	5,822.5	19.63	297.663	
3,600.0	3,530.8	1,951.6	1,891.2	13.6	8.2	-109.40	-5,396.6	561.5	5,862.9	5,842.8	20.10	291.731	
3,641.7	3,571.2	1,971.1	1,908.7	13.8	8.4	-109.38	-5,402.9	555.7	5,878.3	5,857.8	20.44	287.550	
3,700.0	3,627.5	2,015.0	1,948.0	14.2	8.8	-109.32	-5,417.5	542.6	5,900.1	5,879.1	21.04	280.470	
3,740.1	3,666.4	2,015.0	1,948.0	14.4	8.8	-109.32	-5,417.5	542.6	5,915.2	5,893.9	21.25	278.426	
3,800.0	3,724.2	2,060.4	1,988.5	14.7	9.2	-109.27	-5,432.8	528.7	5,937.9	5,916.0	21.87	271.451	
3,838.6	3,761.6	2,087.7	2,012.7	14.9	9.5	-109.23	-5,442.0	520.1	5,952.6	5,930.3	22.27	267.328	
3,900.0	3,821.0	2,143.0	2,061.4	15.2	10.0	-109.15	-5,460.9	502.1	5,976.1	5,953.1	22.97	260.126	
3,937.0	3,856.8	2,159.6	2,076.0	15.4	10.1	-109.12	-5,466.6	496.6	5,990.3	5,967.0	23.29	257.206	
4,000.0	3,917.7	3,555.3	3,278.4	15.8	23.5	-105.86	-5,806.9	-110.3	6,011.1	5,975.4	35.70	168.361	
4,035.4	3,951.9	3,607.7	3,324.6	16.0	24.0	-105.74	-5,813.9	-134.2	6,017.4	5,981.1	36.32	165.676	
4,100.0	4,014.4	3,941.0	3,624.2	16.3	26.6	-105.11	-5,848.5	-275.8	6,026.2	5,986.8	39.35	153.137	
4,133.8	4,047.1	3,985.9	3,665.0	16.5	27.0	-105.03	-5,852.1	-294.2	6,030.4	5,990.5	39.90	151.142	
4,200.0	4,111.1	4,019.7	3,695.5	16.9	27.3	-104.97	-5,855.0	-308.3	6,039.3	5,998.7	40.53	149.022	
4,232.3	4,142.3	4,036.1	3,710.3	17.0	27.4	-104.94	-5,856.4	-315.2	6,043.7	6,002.9	40.83	148.015	
4,300.0	4,207.8	4,069.0	3,739.9	17.4	27.7	-104.88	-5,859.5	-329.4	6,053.3	6,011.8	41.46	146.003	
4,330.7	4,237.5	4,091.7	3,760.2	17.6	27.9	-104.83	-5,861.7	-339.3	6,057.7	6,015.9	41.83	144.810	
4,400.0	4,304.6	4,138.4	3,801.7	17.9	28.3	-104.73	-5,866.3	-360.1	6,068.0	6,025.3	42.63	142.339	
4,429.1	4,332.7	4,157.9	3,819.0	18.1	28.5	-104.69	-5,868.3	-369.0	6,072.4	6,029.4	42.96	141.334	
4,500.0	4,401.3	4,214.6	3,868.8	18.5	29.0	-104.56	-5,874.3	-395.4	6,083.2	6,039.3	43.87	138.655	
4,527.5	4,427.9	4,254.4	3,903.5	18.6	29.4	-104.47	-5,878.4	-414.3	6,087.4	6,043.0	44.41	137.079	
4,600.0	4,498.0	4,326.0	3,966.0	19.0	30.1	-104.30	-5,885.6	-448.6	6,098.3	6,052.8	45.49	134.046	
4,626.0	4,523.1	4,326.0	3,966.0	19.2	30.1	-104.30	-5,885.6	-448.6	6,102.3	6,056.7	45.63	133.727	
4,700.0	4,594.7	4,392.7	4,024.3	19.6	30.8	-104.14	-5,892.5	-480.4	6,113.7	6,067.0	46.65	131.062	
4,724.4	4,618.3	4,406.1	4,035.9	19.7	30.9	-104.11	-5,894.0	-486.7	6,117.5	6,070.6	46.90	130.436	
4,800.0	4,691.5	4,454.0	4,078.0	20.1	31.3	-104.00	-5,899.3	-509.1	6,129.8	6,082.1	47.75	128.373	
4,822.8	4,713.5	4,454.0	4,078.0	20.2	31.3	-104.00	-5,899.3	-509.1	6,133.6	6,085.7	47.87	128.125	
4,900.0	4,788.2	4,499.2	4,117.7	20.7	31.7	-103.90	-5,904.6	-529.9	6,146.7	6,098.0	48.67	126.284	
4,921.2	4,808.7	4,510.1	4,127.4	20.8	31.8	-103.87	-5,906.0	-534.9	6,150.4	6,101.5	48.88	125.823	
5,000.0	4,884.9	4,550.7	4,163.1	21.2	32.2	-103.79	-5,911.0	-553.4	6,164.4	6,114.7	49.65	124.152	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-33D - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 351-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,019.7	4,903.9	4,583.0	4,191.6	21.3	32.5	-103.72	-5,915.3	-568.0	6,168.0	6,118.0	50.04	123.272	
5,100.0	4,981.6	4,635.3	4,237.7	21.8	33.0	-103.61	-5,922.1	-591.8	6,182.7	6,131.8	50.94	121.369	
5,118.1	4,999.1	4,660.7	4,260.0	21.8	33.2	-103.55	-5,925.4	-603.5	6,186.0	6,134.7	51.27	120.659	
5,200.0	5,078.3	4,741.7	4,330.8	22.3	34.0	-103.37	-5,935.7	-641.4	6,200.8	6,148.4	52.46	118.194	
5,216.5	5,094.3	4,752.7	4,340.4	22.4	34.1	-103.34	-5,937.1	-646.6	6,203.8	6,151.2	52.66	117.811	
5,300.0	5,175.1	4,808.1	4,388.6	22.8	34.7	-103.21	-5,944.3	-673.1	6,219.3	6,165.7	53.65	115.929	
5,314.9	5,189.5	4,818.0	4,397.1	22.9	34.8	-103.19	-5,945.7	-677.8	6,222.1	6,168.3	53.82	115.601	
5,400.0	5,271.8	4,892.8	4,461.7	23.4	35.6	-103.01	-5,955.7	-714.2	6,238.3	6,183.2	55.03	113.369	
5,413.4	5,284.7	4,906.2	4,473.3	23.5	35.8	-102.97	-5,957.5	-720.8	6,240.8	6,185.6	55.23	112.989	
5,500.0	5,368.5	5,009.0	4,561.6	23.9	36.8	-102.72	-5,971.1	-771.5	6,257.3	6,200.6	56.72	110.325	
5,511.8	5,379.9	5,028.3	4,578.3	24.0	37.0	-102.67	-5,973.6	-781.0	6,259.5	6,202.5	56.97	109.878	
5,600.0	5,465.2	5,131.0	4,667.2	24.5	38.1	-102.43	-5,986.6	-830.6	6,275.8	6,217.3	58.41	107.448	
5,610.2	5,475.1	5,138.7	4,673.9	24.5	38.1	-102.41	-5,987.6	-834.3	6,277.7	6,219.1	58.53	107.255	
5,647.2	5,510.9	5,166.3	4,698.0	24.7	38.4	-102.35	-5,991.1	-847.3	6,284.5	6,225.6	58.97	106.565	
5,700.0	5,562.1	5,205.9	4,732.8	25.0	38.8	-102.46	-5,996.2	-865.5	6,294.3	6,234.7	59.63	105.557	
5,708.6	5,570.5	5,225.0	4,749.6	25.0	38.9	-102.45	-5,998.7	-874.2	6,296.0	6,236.1	59.84	105.214	
5,800.0	5,659.6	5,296.1	4,812.5	25.3	39.6	-102.61	-6,008.1	-906.1	6,312.6	6,251.7	60.87	103.708	
5,807.1	5,666.6	5,302.9	4,818.5	25.4	39.6	-102.62	-6,009.0	-909.1	6,313.9	6,252.9	60.96	103.581	
5,900.0	5,757.9	5,387.5	4,893.7	25.7	40.4	-102.73	-6,020.1	-946.4	6,330.2	6,268.2	62.05	102.022	
5,905.5	5,763.3	5,392.3	4,897.9	25.7	40.4	-102.74	-6,020.8	-948.4	6,331.2	6,269.1	62.11	101.941	
6,000.0	5,856.7	5,473.1	4,970.0	26.0	41.1	-102.84	-6,031.6	-983.1	6,347.3	6,284.2	63.11	100.575	
6,003.9	5,860.6	5,481.0	4,977.1	26.0	41.2	-102.83	-6,032.6	-986.5	6,348.0	6,284.8	63.19	100.464	
6,100.0	5,956.1	5,588.5	5,356.1	26.2	44.6	-101.97	-6,080.7	-1,154.0	6,364.1	6,297.5	66.60	95.549	
6,102.3	5,958.4	5,900.2	5,357.8	26.2	44.6	-101.97	-6,080.9	-1,154.6	6,364.3	6,297.7	66.62	95.531	
6,200.0	6,055.7	6,123.0	5,571.3	26.4	45.9	-101.77	-6,099.2	-1,214.9	6,375.0	6,307.0	67.98	93.784	
6,200.8	6,056.5	6,123.0	5,571.3	26.4	45.9	-101.77	-6,099.2	-1,214.9	6,375.1	6,307.1	67.98	93.782	
6,299.2	6,154.8	6,181.7	5,628.2	26.5	46.1	-101.84	-6,103.2	-1,229.2	6,383.4	6,315.0	68.42	93.294	
6,300.0	6,155.6	6,182.0	5,628.5	26.5	46.1	-101.84	-6,103.3	-1,229.3	6,383.5	6,315.0	68.42	93.292	
6,382.9	6,238.5	6,252.0	5,696.3	26.6	46.5	-179.16	-6,109.1	-1,245.5	6,391.0	6,322.1	68.90	92.763	
6,397.6	6,253.2	6,252.0	5,696.3	26.6	46.5	-179.16	-6,109.1	-1,245.5	6,392.2	6,323.3	68.91	92.761	
6,400.0	6,255.6	6,252.0	5,696.3	26.6	46.5	-179.16	-6,109.1	-1,245.5	6,392.4	6,323.5	68.91	92.761	
6,412.9	6,268.5	6,252.0	5,696.3	26.6	46.5	-179.16	-6,109.1	-1,245.5	6,393.6	6,324.6	68.93	92.757	
6,450.0	6,305.6	6,252.0	5,696.3	26.7	46.5	0.62	-6,109.1	-1,245.5	6,396.0	6,327.1	68.89	92.848	
6,496.0	6,351.5	6,485.8	5,925.7	26.7	47.3	0.99	-6,126.5	-1,286.6	6,395.7	6,326.3	69.37	92.193	
6,500.0	6,355.4	6,661.1	6,099.5	26.7	47.8	1.18	-6,135.0	-1,307.6	6,395.4	6,325.7	69.73	91.712	
6,550.0	6,404.8	6,913.7	6,351.5	26.7	48.2	1.35	-6,140.5	-1,324.1	6,389.0	6,319.5	69.51	91.914	
6,594.5	6,448.1	6,998.7	6,436.4	26.8	48.3	1.40	-6,140.7	-1,326.5	6,379.4	6,310.6	68.79	92.732	
6,600.0	6,453.5	7,009.2	6,446.9	26.8	48.3	1.40	-6,140.7	-1,326.7	6,378.0	6,309.3	68.69	92.858	
6,650.0	6,501.3	7,097.7	6,535.4	26.8	48.3	1.45	-6,140.3	-1,327.4	6,363.2	6,295.7	67.52	94.241	
6,692.9	6,541.4	7,163.6	6,601.3	26.8	48.4	1.49	-6,139.6	-1,328.0	6,347.6	6,281.4	66.27	95.787	
6,700.0	6,548.0	7,171.2	6,608.9	26.8	48.4	1.50	-6,139.6	-1,328.0	6,344.8	6,278.8	66.04	96.079	
6,750.0	6,593.3	7,223.2	6,660.9	26.8	48.4	1.56	-6,138.9	-1,328.3	6,323.2	6,258.9	64.24	98.425	
6,791.3	6,629.6	7,264.8	6,702.5	26.8	48.4	1.62	-6,138.4	-1,328.3	6,302.9	6,240.4	62.55	100.768	
6,800.0	6,637.0	7,273.4	6,711.1	26.8	48.4	1.63	-6,138.3	-1,328.3	6,298.4	6,236.2	62.17	101.311	
6,850.0	6,679.0	7,299.6	6,737.3	26.8	48.5	1.71	-6,137.9	-1,328.2	6,270.7	6,210.9	59.81	104.838	
6,889.7	6,710.9	7,317.4	6,755.1	26.8	48.5	1.79	-6,137.7	-1,328.1	6,246.7	6,188.9	57.76	108.146	
6,900.0	6,718.9	7,321.9	6,759.6	26.8	48.5	1.81	-6,137.7	-1,328.1	6,240.2	6,183.0	57.21	109.078	
6,950.0	6,756.7	7,343.1	6,780.8	26.8	48.5	1.93	-6,137.6	-1,328.0	6,207.2	6,152.8	54.38	114.144	
6,988.2	6,783.9	7,369.3	6,807.0	26.8	48.5	2.04	-6,137.5	-1,327.8	6,180.3	6,128.2	52.09	118.643	
7,000.0	6,792.0	7,369.3	6,807.0	26.8	48.5	2.07	-6,137.5	-1,327.8	6,171.7	6,120.4	51.36	120.173	
7,050.0	6,824.8	7,381.5	6,819.2	26.8	48.5	2.25	-6,137.4	-1,327.7	6,133.9	6,085.8	48.16	127.367	
7,086.6	6,847.2	7,394.1	6,831.8	26.8	48.5	2.41	-6,137.4	-1,327.6	6,104.9	6,059.2	45.74	133.481	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-33D - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 351-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,100.0	6,854.9	7,398.6	6,836.3	26.8	48.5	2.48	-6,137.4	-1,327.6	6,094.0	6,049.2	44.84	135.916		
7,150.0	6,882.2	7,407.0	6,844.7	26.8	48.5	2.76	-6,137.4	-1,327.5	6,052.2	6,010.8	41.43	146.083		
7,185.0	6,899.5	7,407.0	6,844.7	26.8	48.5	3.00	-6,137.4	-1,327.5	6,021.9	5,982.8	39.03	154.297		
7,200.0	6,906.5	7,431.2	6,868.9	26.9	48.5	3.14	-6,137.5	-1,327.2	6,008.6	5,970.6	38.02	158.047		
7,250.0	6,927.6	7,445.3	6,883.0	26.9	48.5	3.66	-6,137.6	-1,327.1	5,963.4	5,928.7	34.67	171.993		
7,283.4	6,940.0	7,453.6	6,891.3	27.0	48.5	4.12	-6,137.7	-1,327.0	5,932.4	5,899.9	32.54	182.323		
7,300.0	6,945.5	7,457.3	6,895.0	27.0	48.5	4.39	-6,137.7	-1,327.0	5,916.9	5,885.3	31.53	187.665		
7,350.0	6,960.2	7,467.2	6,904.9	27.1	48.5	5.51	-6,137.7	-1,326.9	5,869.2	5,840.4	28.80	203.811		
7,381.9	6,967.8	7,472.4	6,910.1	27.2	48.5	6.59	-6,137.8	-1,326.8	5,838.3	5,810.9	27.44	212.796		
7,400.0	6,971.5	7,475.0	6,912.7	27.2	48.5	7.41	-6,137.8	-1,326.8	5,820.6	5,793.7	26.87	216.658		
7,450.0	6,979.3	7,480.5	6,918.2	27.4	48.5	11.29	-6,137.9	-1,326.7	5,771.3	5,744.6	26.66	216.481		
7,480.3	6,982.4	7,482.7	6,920.4	27.5	48.5	16.45	-6,137.9	-1,326.7	5,741.2	5,712.6	28.57	200.969		
7,500.0	6,983.7	7,483.7	6,921.4	27.5	48.5	23.16	-6,137.9	-1,326.7	5,721.6	5,689.7	31.89	179.388		
7,541.4	6,984.7	7,484.6	6,922.3	27.7	48.5	81.64	-6,137.9	-1,326.7	5,680.2	5,631.7	48.48	117.159		
7,578.7	6,984.5	7,484.7	6,922.4	27.9	48.5	81.67	-6,137.9	-1,326.7	5,642.9	5,594.0	48.86	115.502		
7,600.0	6,984.4	7,484.8	6,922.5	28.0	48.5	81.70	-6,137.9	-1,326.7	5,621.6	5,572.6	49.07	114.569		
7,677.1	6,984.0	7,485.0	6,922.7	28.5	48.5	81.78	-6,137.9	-1,326.7	5,544.5	5,494.6	49.88	111.148		
7,700.0	6,983.9	7,485.1	6,922.7	28.6	48.5	81.81	-6,137.9	-1,326.7	5,521.7	5,471.5	50.13	110.157		
7,775.6	6,983.5	7,485.3	6,923.0	29.2	48.5	81.89	-6,137.9	-1,326.7	5,446.1	5,395.1	50.99	106.809		
7,800.0	6,983.4	7,485.3	6,923.0	29.4	48.5	81.92	-6,137.9	-1,326.7	5,421.7	5,370.4	51.27	105.751		
7,874.0	6,983.1	7,485.6	6,923.2	30.0	48.5	82.00	-6,137.9	-1,326.7	5,347.7	5,295.5	52.19	102.459		
7,900.0	6,982.9	7,485.6	6,923.3	30.3	48.5	82.03	-6,137.9	-1,326.7	5,321.7	5,269.2	52.52	101.330		
7,972.4	6,982.6	7,485.8	6,923.5	31.0	48.5	82.11	-6,137.9	-1,326.7	5,249.3	5,195.9	53.49	98.135		
8,000.0	6,982.4	7,485.9	6,923.6	31.3	48.5	82.14	-6,137.9	-1,326.7	5,221.8	5,167.9	53.86	96.949		
8,070.8	6,982.1	7,486.1	6,923.8	32.1	48.5	82.22	-6,137.9	-1,326.7	5,151.0	5,096.1	54.87	93.880		
8,100.0	6,982.0	7,486.2	6,923.9	32.4	48.5	82.25	-6,137.9	-1,326.7	5,121.8	5,066.5	55.28	92.650		
8,169.3	6,981.6	7,486.4	6,924.1	33.2	48.5	82.33	-6,137.9	-1,326.6	5,052.6	4,996.3	56.31	89.726		
8,200.0	6,981.5	7,486.5	6,924.2	33.6	48.5	82.37	-6,137.9	-1,326.6	5,021.9	4,965.1	56.77	88.463		
8,267.7	6,981.1	7,486.7	6,924.4	34.5	48.5	82.44	-6,137.9	-1,326.6	4,954.2	4,896.4	57.81	85.695		
8,300.0	6,981.0	7,486.8	6,924.5	34.9	48.5	82.48	-6,137.9	-1,326.6	4,921.9	4,863.6	58.31	84.408		
8,366.1	6,980.7	7,487.0	6,924.7	35.8	48.5	82.56	-6,137.9	-1,326.6	4,855.8	4,796.5	59.36	81.799		
8,400.0	6,980.5	7,487.1	6,924.8	36.3	48.5	82.60	-6,137.9	-1,326.6	4,822.0	4,762.1	59.90	80.497		
8,464.5	6,980.2	7,487.3	6,925.0	37.2	48.5	82.67	-6,137.9	-1,326.6	4,757.4	4,696.5	60.96	78.047		
8,500.0	6,980.0	7,487.4	6,925.1	37.7	48.5	82.72	-6,137.9	-1,326.6	4,722.0	4,660.5	61.54	76.737		
8,563.0	6,979.7	7,487.6	6,925.3	38.6	48.5	82.79	-6,137.9	-1,326.6	4,659.1	4,596.5	62.59	74.443		
8,600.0	6,979.5	7,487.8	6,925.4	39.1	48.5	82.84	-6,137.9	-1,326.6	4,622.1	4,558.9	63.20	73.130		
8,661.4	6,979.2	7,488.0	6,925.6	40.1	48.5	82.91	-6,137.9	-1,326.6	4,560.7	4,496.5	64.25	70.987		
8,700.0	6,979.0	7,488.1	6,925.8	40.7	48.5	82.96	-6,137.9	-1,326.6	4,522.1	4,457.2	64.90	69.675		
8,759.8	6,978.7	7,488.3	6,926.0	41.6	48.5	83.03	-6,137.9	-1,326.6	4,462.3	4,396.4	65.94	67.677		
8,800.0	6,978.5	7,488.4	6,926.1	42.2	48.5	83.08	-6,137.9	-1,326.6	4,422.2	4,355.5	66.63	66.370		
8,858.2	6,978.2	7,488.6	6,926.3	43.1	48.5	83.15	-6,137.9	-1,326.6	4,364.0	4,296.3	67.65	64.509		
8,900.0	6,978.0	7,488.7	6,926.4	43.8	48.5	83.21	-6,137.9	-1,326.6	4,322.2	4,253.9	68.38	63.210		
8,956.7	6,977.8	7,488.9	6,926.6	44.7	48.5	83.28	-6,137.9	-1,326.6	4,265.6	4,196.2	69.38	61.479		
9,000.0	6,977.5	7,489.1	6,926.7	45.4	48.5	83.33	-6,137.9	-1,326.6	4,222.3	4,152.2	70.15	60.190		
9,055.1	6,977.3	7,489.2	6,926.9	46.3	48.5	83.40	-6,137.9	-1,326.6	4,167.2	4,096.1	71.13	58.582		
9,100.0	6,977.1	7,489.4	6,927.1	47.1	48.5	83.46	-6,137.9	-1,326.6	4,122.4	4,050.4	71.94	57.304		
9,153.5	6,976.8	7,489.6	6,927.3	48.0	48.5	83.53	-6,137.9	-1,326.6	4,068.9	3,996.0	72.90	55.812		
9,200.0	6,976.6	7,489.7	6,927.4	48.8	48.5	83.59	-6,137.9	-1,326.6	4,022.4	3,948.7	73.74	54.547		
9,251.9	6,976.3	7,489.9	6,927.6	49.7	48.5	83.66	-6,137.9	-1,326.6	3,970.5	3,895.8	74.69	53.162		
9,300.0	6,976.1	7,490.1	6,927.8	50.5	48.5	83.72	-6,137.9	-1,326.6	3,922.5	3,846.9	75.56	51.912		
9,350.4	6,975.8	7,490.3	6,927.9	51.3	48.5	83.79	-6,137.9	-1,326.6	3,872.2	3,795.7	76.48	50.627		
9,400.0	6,975.6	7,490.4	6,928.1	52.2	48.5	83.85	-6,137.9	-1,326.6	3,822.6	3,745.2	77.39	49.392		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST DD NEI C18-33D - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 351-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,448.8	6,975.3	7,490.6	6,928.3	53.1	48.5	83.92	-6,138.0	-1,326.6	3,773.8	3,695.5	78.29	48.202		
9,500.0	6,975.1	7,490.8	6,928.5	54.0	48.5	83.99	-6,138.0	-1,326.6	3,722.7	3,643.4	79.24	46.983		
9,547.2	6,974.9	7,490.9	6,928.6	54.8	48.5	84.05	-6,138.0	-1,326.6	3,675.5	3,595.4	80.11	45.880		
9,600.0	6,974.6	7,491.1	6,928.8	55.7	48.5	84.12	-6,138.0	-1,326.6	3,622.8	3,541.7	81.09	44.677		
9,645.6	6,974.4	7,491.3	6,929.0	56.5	48.5	84.18	-6,138.0	-1,326.6	3,577.1	3,495.2	81.94	43.657		
9,700.0	6,974.1	7,491.5	6,929.2	57.5	48.5	84.26	-6,138.0	-1,326.6	3,522.8	3,439.9	82.95	42.469		
9,744.1	6,973.9	7,491.7	6,929.3	58.3	48.5	84.32	-6,138.0	-1,326.6	3,478.8	3,395.0	83.77	41.526		
9,800.0	6,973.6	7,491.9	6,929.6	59.3	48.5	84.40	-6,138.0	-1,326.6	3,422.9	3,338.1	84.82	40.355		
9,842.5	6,973.4	7,492.0	6,929.7	60.0	48.5	84.46	-6,138.0	-1,326.6	3,380.5	3,294.9	85.62	39.483		
9,900.0	6,973.1	7,492.2	6,929.9	61.1	48.5	84.54	-6,138.0	-1,326.6	3,323.0	3,236.3	86.70	38.329		
9,940.9	6,972.9	7,492.4	6,930.1	61.8	48.6	84.60	-6,138.0	-1,326.6	3,282.2	3,194.7	87.47	37.524		
10,000.0	6,972.6	7,492.6	6,930.3	62.9	48.6	84.69	-6,138.0	-1,326.6	3,223.1	3,134.6	88.58	36.386		
10,039.3	6,972.4	7,492.8	6,930.5	63.6	48.6	84.74	-6,138.0	-1,326.6	3,183.8	3,094.5	89.33	35.643		
10,100.0	6,972.1	7,493.0	6,930.7	64.7	48.6	84.83	-6,138.0	-1,326.6	3,123.3	3,032.8	90.47	34.521		
10,137.8	6,972.0	7,493.1	6,930.8	65.4	48.6	84.89	-6,138.0	-1,326.6	3,085.5	2,994.3	91.19	33.837		
10,200.0	6,971.6	7,493.4	6,931.1	66.6	48.6	84.98	-6,138.0	-1,326.6	3,023.4	2,931.0	92.37	32.731		
10,236.2	6,971.5	7,493.5	6,931.2	67.2	48.6	85.03	-6,138.0	-1,326.6	2,987.2	2,894.2	93.06	32.101		
10,300.0	6,971.2	7,493.8	6,931.5	68.4	48.6	85.13	-6,138.0	-1,326.6	2,923.5	2,829.2	94.27	31.012		
10,334.6	6,971.0	7,493.9	6,931.6	69.0	48.6	85.18	-6,138.0	-1,326.6	2,888.9	2,794.0	94.93	30.432		
10,400.0	6,970.7	7,494.2	6,931.9	70.2	48.6	85.28	-6,138.0	-1,326.6	2,823.6	2,727.5	96.18	29.359		
10,433.0	6,970.5	7,494.3	6,932.0	70.9	48.6	85.33	-6,138.0	-1,326.6	2,790.6	2,693.8	96.81	28.827		
10,500.0	6,970.2	7,494.6	6,932.3	72.1	48.6	85.43	-6,138.0	-1,326.6	2,723.8	2,625.7	98.09	27.769		
10,531.5	6,970.0	7,494.7	6,932.4	72.7	48.6	85.48	-6,138.0	-1,326.6	2,692.4	2,593.7	98.69	27.281		
10,600.0	6,969.7	7,495.0	6,932.7	74.0	48.6	85.59	-6,138.0	-1,326.6	2,624.0	2,524.0	100.00	26.239		
10,629.9	6,969.5	7,495.1	6,932.8	74.5	48.6	85.64	-6,138.0	-1,326.6	2,594.1	2,493.5	100.57	25.793		
10,700.0	6,969.2	7,495.4	6,933.1	75.8	48.6	85.75	-6,138.0	-1,326.6	2,524.1	2,422.2	101.92	24.766		
10,728.3	6,969.0	7,495.5	6,933.2	76.4	48.6	85.79	-6,138.0	-1,326.6	2,495.8	2,393.4	102.46	24.359		
10,800.0	6,968.7	7,495.8	6,933.5	77.7	48.6	85.91	-6,138.0	-1,326.5	2,424.3	2,320.5	103.84	23.347		
10,826.7	6,968.6	7,495.9	6,933.6	78.2	48.6	85.95	-6,138.0	-1,326.5	2,397.6	2,293.3	104.35	22.976		
10,900.0	6,968.2	7,496.2	6,933.9	79.6	48.6	86.07	-6,138.0	-1,326.5	2,324.5	2,218.7	105.76	21.979		
10,925.2	6,968.1	7,496.4	6,934.0	80.1	48.6	86.11	-6,138.0	-1,326.5	2,299.4	2,193.1	106.25	21.642		
11,000.0	6,967.7	7,496.7	6,934.4	81.5	48.6	86.23	-6,138.0	-1,326.5	2,224.7	2,117.0	107.69	20.659		
11,023.6	6,967.6	7,496.8	6,934.5	81.9	48.6	86.27	-6,138.0	-1,326.5	2,201.2	2,093.0	108.14	20.354		
11,100.0	6,967.2	7,497.1	6,934.8	83.4	48.6	86.40	-6,138.0	-1,326.5	2,125.0	2,015.4	109.62	19.385		
11,122.0	6,967.1	7,497.2	6,934.9	83.8	48.6	86.44	-6,138.0	-1,326.5	2,103.0	1,993.0	110.04	19.111		
11,200.0	6,966.7	7,497.6	6,935.2	85.3	48.6	86.57	-6,138.0	-1,326.5	2,025.2	1,913.7	111.55	18.156		
11,220.4	6,966.6	7,497.6	6,935.3	85.7	48.6	86.61	-6,138.0	-1,326.5	2,004.8	1,892.9	111.94	17.909		
11,300.0	6,966.2	7,498.0	6,935.7	87.2	48.6	86.74	-6,138.0	-1,326.5	1,925.5	1,812.0	113.48	16.968		
11,318.9	6,966.1	7,498.1	6,935.8	87.5	48.6	86.78	-6,138.0	-1,326.5	1,906.7	1,792.9	113.85	16.748		
11,400.0	6,965.7	7,498.5	6,936.2	89.1	48.6	86.92	-6,138.0	-1,326.5	1,825.8	1,710.4	115.41	15.820		
11,417.3	6,965.6	7,498.5	6,936.2	89.4	48.6	86.95	-6,138.0	-1,326.5	1,808.6	1,692.9	115.75	15.625		
11,500.0	6,965.2	7,498.9	6,936.6	91.0	48.6	87.10	-6,138.0	-1,326.5	1,726.2	1,608.9	117.35	14.710		
11,515.7	6,965.2	7,499.0	6,936.7	91.3	48.6	87.12	-6,138.0	-1,326.5	1,710.5	1,592.9	117.66	14.539		
11,600.0	6,964.7	7,499.4	6,937.1	92.9	48.6	87.28	-6,138.0	-1,326.5	1,626.6	1,507.3	119.29	13.636		
11,614.1	6,964.7	7,499.5	6,937.2	93.2	48.6	87.30	-6,138.0	-1,326.5	1,612.5	1,493.0	119.56	13.487		
11,700.0	6,964.3	7,499.9	6,937.6	94.8	48.6	87.46	-6,138.0	-1,326.5	1,527.1	1,405.8	121.23	12.597		
11,712.6	6,964.2	7,499.9	6,937.6	95.1	48.6	87.48	-6,138.0	-1,326.5	1,514.6	1,393.1	121.47	12.469		
11,800.0	6,963.8	7,500.4	6,938.1	96.7	48.6	87.64	-6,138.0	-1,326.5	1,427.6	1,304.4	123.16	11.591		
11,811.0	6,963.7	7,500.4	6,938.1	97.0	48.6	87.66	-6,138.0	-1,326.5	1,416.7	1,293.3	123.38	11.482		
11,900.0	6,963.3	7,500.9	6,938.5	98.7	48.6	87.83	-6,138.1	-1,326.5	1,328.2	1,203.1	125.10	10.617		
11,909.4	6,963.2	7,500.9	6,938.6	98.9	48.6	87.85	-6,138.1	-1,326.5	1,318.8	1,193.5	125.29	10.526		
12,000.0	6,962.8	7,501.4	6,939.0	100.6	48.6	88.02	-6,138.1	-1,326.5	1,228.9	1,101.8	127.04	9.673		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 351-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,007.8	6,962.7	7,501.4	6,939.1	100.7	48.6	88.04	-6,138.1	-1,326.5	1,221.1	1,093.9	127.20	9.600	
12,100.0	6,962.3	7,501.9	6,939.6	102.5	48.6	88.22	-6,138.1	-1,326.5	1,129.7	1,000.7	128.98	8.758	
12,106.3	6,962.2	7,501.9	6,939.6	102.6	48.6	88.23	-6,138.1	-1,326.5	1,123.5	994.4	129.11	8.702	
12,200.0	6,961.8	7,502.4	6,940.1	104.5	48.6	88.42	-6,138.1	-1,326.5	1,030.7	899.8	130.92	7.872	
12,204.7	6,961.8	7,502.4	6,940.1	104.5	48.6	88.42	-6,138.1	-1,326.5	1,026.0	895.0	131.02	7.831	
12,300.0	6,961.3	7,502.9	6,940.6	106.4	48.6	88.62	-6,138.1	-1,326.5	931.9	799.0	132.86	7.014	
12,303.1	6,961.3	7,502.9	6,940.6	106.4	48.6	88.62	-6,138.1	-1,326.5	928.8	795.9	132.93	6.987	
12,400.0	6,960.8	7,503.4	6,941.1	108.3	48.6	88.82	-6,138.1	-1,326.5	833.3	698.5	134.80	6.182	
12,401.5	6,960.8	7,503.5	6,941.1	108.3	48.6	88.82	-6,138.1	-1,326.5	831.8	697.0	134.83	6.169	
12,500.0	6,960.3	7,504.0	6,941.7	110.3	48.6	89.03	-6,138.1	-1,326.5	735.2	598.4	136.74	5.376	
12,598.4	6,959.8	7,504.5	6,942.2	112.2	48.6	89.23	-6,138.1	-1,326.5	639.2	500.5	138.65	4.610	
12,600.0	6,959.8	7,504.5	6,942.2	112.2	48.6	89.24	-6,138.1	-1,326.5	637.6	498.9	138.68	4.598	
12,696.8	6,959.3	7,505.1	6,942.8	114.1	48.6	89.44	-6,138.1	-1,326.4	544.0	403.4	140.56	3.870	
12,700.0	6,959.3	7,505.1	6,942.8	114.1	48.6	89.45	-6,138.1	-1,326.4	541.0	400.3	140.62	3.847	
12,795.2	6,958.8	7,505.6	6,943.3	116.0	48.6	89.66	-6,138.1	-1,326.4	450.2	307.8	142.47	3.160	
12,800.0	6,958.8	7,505.7	6,943.4	116.1	48.6	89.67	-6,138.1	-1,326.4	445.8	303.2	142.56	3.127	
12,893.7	6,958.3	7,506.2	6,943.9	117.9	48.6	89.88	-6,138.1	-1,326.4	358.9	214.6	144.37	2.486	
12,900.0	6,958.3	7,506.2	6,943.9	118.0	48.6	89.89	-6,138.1	-1,326.4	353.2	208.7	144.49	2.444	
12,992.1	6,957.9	7,506.8	6,944.5	119.8	48.6	90.10	-6,138.1	-1,326.4	272.7	126.4	146.27	1.864	
13,000.0	6,957.8	7,506.8	6,944.5	120.0	48.6	90.11	-6,138.1	-1,326.4	266.1	119.7	146.43	1.817	
13,090.5	6,957.4	7,507.4	6,945.1	121.7	48.6	90.32	-6,138.1	-1,326.4	198.1	49.9	148.18	1.337	Level 3
13,100.0	6,957.3	7,507.4	6,945.1	121.9	48.6	90.34	-6,138.1	-1,326.4	192.1	43.7	148.36	1.295	Level 3
13,188.9	6,956.9	7,508.0	6,945.7	123.6	48.6	90.55	-6,138.1	-1,326.4	153.3	3.2	150.08	1.022	Level 2
13,200.0	6,956.8	7,508.0	6,945.7	123.9	48.6	90.57	-6,138.1	-1,326.4	151.5	1.2	150.29	1.008	Level 2
13,219.7	6,956.7	7,508.2	6,945.9	124.2	48.6	90.62	-6,138.1	-1,326.4	150.2	-0.5	150.67	0.997	Level 1, CC, ES, SF
13,287.4	6,956.4	7,508.6	6,946.3	125.6	48.6	90.78	-6,138.1	-1,326.4	164.7	12.8	151.97	1.084	Level 2
13,300.0	6,956.3	7,508.7	6,946.4	125.8	48.6	90.81	-6,138.1	-1,326.4	170.3	18.1	152.22	1.119	Level 2
13,385.8	6,955.9	7,509.2	6,946.9	127.5	48.6	91.02	-6,138.1	-1,326.4	223.9	70.1	153.87	1.455	Level 3
13,400.0	6,955.8	7,509.3	6,947.0	127.8	48.6	91.05	-6,138.1	-1,326.4	234.7	80.5	154.14	1.522	
13,484.2	6,955.4	7,509.8	6,947.5	129.4	48.6	91.26	-6,138.2	-1,326.4	304.2	148.4	155.76	1.953	
13,500.0	6,955.3	7,509.9	6,947.6	129.7	48.6	91.30	-6,138.2	-1,326.4	318.0	161.9	156.07	2.038	
13,582.6	6,954.9	7,510.5	6,948.2	131.3	48.6	91.50	-6,138.2	-1,326.4	392.8	235.1	157.65	2.492	
13,600.0	6,954.8	7,510.6	6,948.3	131.7	48.6	91.54	-6,138.2	-1,326.4	408.9	250.9	157.98	2.588	
13,681.1	6,954.4	7,511.1	6,948.8	133.2	48.6	91.75	-6,138.2	-1,326.4	485.2	325.7	159.54	3.041	
13,700.0	6,954.3	7,511.3	6,948.9	133.6	48.6	91.80	-6,138.2	-1,326.4	503.2	343.3	159.90	3.147	
13,779.5	6,953.9	7,511.8	6,949.5	135.2	48.6	92.00	-6,138.2	-1,326.4	579.6	418.2	161.42	3.591	
13,800.0	6,953.8	7,511.9	6,949.6	135.6	48.6	92.06	-6,138.2	-1,326.4	599.4	437.6	161.81	3.704	
13,877.9	6,953.5	7,512.5	6,950.2	137.1	48.6	92.26	-6,138.2	-1,326.4	675.1	511.8	163.30	4.134	
13,900.0	6,953.3	7,512.6	6,950.3	137.5	48.6	92.32	-6,138.2	-1,326.4	696.7	533.0	163.72	4.255	
13,976.3	6,953.0	7,513.2	6,950.8	139.0	48.6	92.52	-6,138.2	-1,326.4	771.4	606.2	165.18	4.670	
14,000.0	6,952.8	7,513.3	6,951.0	139.5	48.6	92.59	-6,138.2	-1,326.4	794.6	629.0	165.63	4.798	
14,074.8	6,952.5	7,513.9	6,951.5	140.9	48.6	92.79	-6,138.2	-1,326.4	868.2	701.1	167.05	5.197	
14,100.0	6,952.4	7,514.0	6,951.7	141.4	48.6	92.86	-6,138.2	-1,326.4	893.0	725.5	167.53	5.331	
14,170.4	6,952.0	7,514.5	6,952.2	142.8	48.6	93.05	-6,138.2	-1,326.3	962.5	793.7	168.80	5.702	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	-173.68	-5,661.3	-627.5	5,696.1				
98.4	98.4	60.9	60.9	0.1	0.6	-173.68	-5,661.3	-627.5	5,696.0	5,695.3	0.73	7,822.829	
100.0	100.0	62.5	62.5	0.1	0.6	-173.68	-5,661.3	-627.5	5,696.0	5,695.2	0.75	7,632.819	
196.8	196.8	159.3	159.3	0.3	2.4	-173.68	-5,661.3	-627.5	5,696.0	5,693.2	2.73	2,083.304	
200.0	200.0	162.5	162.5	0.3	2.5	-173.68	-5,661.3	-627.5	5,696.0	5,693.2	2.81	2,023.818	
295.3	295.3	257.8	257.8	0.5	4.6	-173.68	-5,661.3	-627.5	5,696.0	5,690.9	5.10	1,116.167	
300.0	300.0	262.5	262.5	0.5	4.7	-173.68	-5,661.3	-627.5	5,696.0	5,690.8	5.21	1,092.840	
393.7	393.7	356.2	356.2	0.8	6.6	-173.68	-5,661.3	-627.5	5,696.0	5,688.6	7.35	774.864	
400.0	400.0	362.5	362.5	0.8	6.7	-173.68	-5,661.3	-627.5	5,696.0	5,688.5	7.49	760.093	
492.1	492.1	454.6	454.6	1.0	8.6	-173.68	-5,661.3	-627.5	5,696.0	5,686.4	9.58	594.862	
500.0	500.0	462.5	462.5	1.0	8.8	-173.68	-5,661.3	-627.5	5,696.0	5,686.2	9.75	584.036	
590.5	590.5	553.0	553.0	1.2	10.6	-173.68	-5,661.3	-627.5	5,696.0	5,684.2	11.79	483.106	
600.0	600.0	562.5	562.5	1.2	10.8	-173.68	-5,661.3	-627.5	5,696.0	5,684.0	12.00	474.557	
689.0	689.0	651.5	651.5	1.4	12.6	-173.68	-5,661.3	-627.5	5,696.0	5,682.0	14.00	406.836	
700.0	700.0	662.5	662.5	1.4	12.8	-173.68	-5,661.3	-627.5	5,696.0	5,681.7	14.25	399.772	
787.4	787.4	749.9	749.9	1.6	14.6	-173.68	-5,661.3	-627.5	5,696.0	5,679.8	16.21	351.424	
800.0	800.0	762.5	762.5	1.7	14.8	-173.68	-5,661.3	-627.5	5,696.0	5,679.5	16.49	345.404	
885.8	885.8	848.3	848.3	1.9	16.6	-173.68	-5,661.3	-627.5	5,696.0	5,677.6	18.41	309.326	
900.0	900.0	862.5	862.5	1.9	16.8	-173.68	-5,661.3	-627.5	5,696.0	5,677.2	18.73	304.082	
984.2	984.2	946.7	946.7	2.1	18.5	-173.68	-5,661.3	-627.5	5,696.0	5,675.4	20.62	276.251	
1,000.0	1,000.0	962.5	962.5	2.1	18.9	-173.68	-5,661.3	-627.5	5,696.0	5,675.0	20.97	271.604	
1,082.7	1,082.7	1,045.2	1,045.2	2.3	20.5	-96.36	-5,661.3	-627.5	5,696.1	5,673.3	22.81	249.672	
1,100.0	1,100.0	1,062.5	1,062.5	2.3	20.9	-96.36	-5,661.3	-627.5	5,696.2	5,673.0	23.20	245.521	
1,181.1	1,181.0	1,143.5	1,143.5	2.5	22.5	-96.39	-5,661.3	-627.5	5,696.6	5,671.6	25.00	227.842	
1,200.0	1,199.8	1,162.3	1,162.3	2.5	22.9	-96.40	-5,661.3	-627.5	5,696.8	5,671.3	25.42	224.087	
1,279.5	1,279.1	1,241.6	1,241.6	2.7	24.5	-96.45	-5,661.3	-627.5	5,697.5	5,670.3	27.20	209.503	
1,300.0	1,299.5	1,262.0	1,262.0	2.8	24.9	-96.47	-5,661.3	-627.5	5,697.7	5,670.1	27.65	206.058	
1,377.9	1,376.9	1,339.4	1,339.4	3.0	26.4	-96.54	-5,661.3	-627.5	5,698.8	5,669.4	29.40	193.840	
1,400.0	1,398.7	1,361.2	1,361.2	3.0	26.9	-96.56	-5,661.3	-627.5	5,699.1	5,669.2	29.89	190.651	
1,476.4	1,474.2	1,436.7	1,436.7	3.2	28.4	-96.65	-5,661.3	-627.5	5,700.5	5,668.9	31.62	180.276	
1,500.0	1,497.5	1,460.0	1,460.0	3.3	28.9	-96.68	-5,661.3	-627.5	5,701.0	5,668.8	32.15	177.302	
1,574.8	1,571.0	1,533.5	1,533.5	3.5	30.3	-96.79	-5,661.3	-627.5	5,702.6	5,668.8	33.87	168.385	
1,600.0	1,595.6	1,558.1	1,558.1	3.6	30.8	-96.82	-5,661.3	-627.5	5,703.2	5,668.8	34.44	165.592	
1,673.2	1,667.0	1,629.5	1,629.5	3.9	32.3	-96.94	-5,661.3	-627.5	5,705.2	5,669.1	36.14	157.852	
1,700.0	1,693.1	1,655.6	1,655.6	4.0	32.8	-96.99	-5,661.3	-627.5	5,706.0	5,669.3	36.76	155.213	
1,735.7	1,727.6	1,690.1	1,690.1	4.1	33.5	-97.05	-5,661.3	-627.5	5,707.1	5,669.5	37.60	151.784	
1,771.6	1,762.4	1,724.9	1,724.9	4.3	34.2	-97.14	-5,661.3	-627.5	5,708.3	5,669.8	38.45	148.454	
1,800.0	1,789.8	1,752.3	1,752.3	4.4	34.8	-97.21	-5,661.3	-627.5	5,709.2	5,670.1	39.12	145.931	
1,870.1	1,857.6	1,820.1	1,820.1	4.7	36.1	-97.38	-5,661.3	-627.5	5,711.6	5,670.8	40.80	140.005	
1,900.0	1,886.6	1,849.1	1,849.1	4.8	36.7	-97.45	-5,661.3	-627.5	5,712.6	5,671.1	41.51	137.619	
1,968.5	1,952.8	1,915.3	1,915.3	5.2	38.0	-97.62	-5,661.3	-627.5	5,714.9	5,671.8	43.16	132.419	
2,000.0	1,983.3	1,945.8	1,945.8	5.3	38.6	-97.70	-5,661.3	-627.5	5,716.0	5,672.1	43.92	130.159	
2,066.9	2,048.0	2,010.5	2,010.5	5.6	39.9	-97.86	-5,661.3	-627.5	5,718.4	5,672.9	45.54	125.582	
2,100.0	2,080.0	2,042.5	2,042.5	5.8	40.6	-97.94	-5,661.3	-627.5	5,719.6	5,673.3	46.34	123.439	
2,165.3	2,143.2	2,105.7	2,105.7	6.1	41.9	-98.10	-5,661.3	-627.5	5,722.0	5,674.1	47.92	119.397	
2,200.0	2,176.7	2,139.2	2,139.2	6.3	42.5	-98.18	-5,661.3	-627.5	5,723.3	5,674.5	48.77	117.362	
2,263.8	2,238.4	2,200.9	2,200.9	6.6	43.8	-98.34	-5,661.3	-627.5	5,725.7	5,675.4	50.32	113.783	
2,300.0	2,273.4	2,235.9	2,235.9	6.8	44.5	-98.43	-5,661.3	-627.5	5,727.1	5,675.9	51.20	111.847	
2,362.2	2,333.6	2,296.1	2,296.1	7.1	45.7	-98.58	-5,661.3	-627.5	5,729.5	5,676.8	52.73	108.667	
2,400.0	2,370.2	2,332.7	2,332.7	7.3	46.4	-98.67	-5,661.3	-627.5	5,731.0	5,677.3	53.65	106.823	
2,460.6	2,428.8	2,391.3	2,391.3	7.6	47.6	-98.82	-5,661.3	-627.5	5,733.4	5,678.3	55.13	103.990	
2,500.0	2,466.9	2,429.4	2,429.4	7.8	48.4	-98.91	-5,661.3	-627.5	5,735.0	5,678.9	56.10	102.230	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,559.0	2,524.0	2,486.5	2,486.5	8.1	49.5	-99.06	-5,661.3	-627.5	5,737.4	5,679.9	57.55	99.698	
2,600.0	2,563.6	2,526.1	2,526.1	8.3	50.3	-99.16	-5,661.3	-627.5	5,739.1	5,680.6	58.55	98.017	
2,657.5	2,619.2	2,581.7	2,581.7	8.6	51.4	-99.30	-5,661.3	-627.5	5,741.5	5,681.6	59.96	95.749	
2,700.0	2,660.3	2,622.8	2,622.8	8.8	52.3	-99.40	-5,661.3	-627.5	5,743.3	5,682.3	61.01	94.140	
2,755.9	2,714.4	2,676.9	2,676.9	9.1	53.3	-99.53	-5,661.3	-627.5	5,745.7	5,683.4	62.38	92.104	
2,800.0	2,757.0	2,719.5	2,719.5	9.4	54.2	-99.64	-5,661.3	-627.5	5,747.7	5,684.2	63.47	90.561	
2,854.3	2,809.6	2,772.1	2,772.1	9.6	55.3	-99.77	-5,661.3	-627.5	5,750.1	5,685.3	64.80	88.730	
2,900.0	2,853.8	2,816.3	2,816.3	9.9	56.2	-99.88	-5,661.3	-627.5	5,752.1	5,686.2	65.93	87.249	
2,952.7	2,904.8	2,867.3	2,867.3	10.2	57.2	-100.01	-5,661.3	-627.5	5,754.5	5,687.3	67.23	85.598	
3,000.0	2,950.5	2,913.0	2,913.0	10.4	58.1	-100.12	-5,661.3	-627.5	5,756.7	5,688.3	68.39	84.174	
3,051.2	3,000.0	2,962.5	2,962.5	10.7	59.1	-100.25	-5,661.3	-627.5	5,759.1	5,689.4	69.65	82.685	
3,100.0	3,047.2	3,009.7	3,009.7	10.9	60.0	-100.36	-5,661.3	-627.5	5,761.3	5,690.5	70.85	81.314	
3,149.6	3,095.2	3,057.7	3,057.7	11.2	61.0	-100.48	-5,661.3	-627.5	5,763.7	5,691.6	72.08	79.968	
3,200.0	3,143.9	3,106.4	3,106.4	11.5	62.0	-100.60	-5,661.3	-627.5	5,766.1	5,692.8	73.32	78.647	
3,248.0	3,190.4	3,152.9	3,152.9	11.7	62.9	-100.72	-5,661.3	-627.5	5,768.4	5,693.9	74.50	77.428	
3,300.0	3,240.6	3,203.1	3,203.1	12.0	63.9	-100.84	-5,661.3	-627.5	5,771.0	5,695.2	75.78	76.153	
3,346.4	3,285.6	3,248.1	3,248.1	12.3	64.8	-100.96	-5,661.3	-627.5	5,773.3	5,696.4	76.93	75.050	
3,400.0	3,337.4	3,299.9	3,299.9	12.5	65.9	-101.08	-5,661.3	-627.5	5,776.0	5,697.7	78.25	73.818	
3,444.9	3,380.8	3,343.3	3,343.3	12.8	66.8	-101.19	-5,661.3	-627.5	5,778.3	5,698.9	79.35	72.818	
3,500.0	3,434.1	3,396.6	3,396.6	13.1	67.8	-101.32	-5,661.3	-627.5	5,781.1	5,700.4	80.71	71.627	
3,543.3	3,476.0	3,438.5	3,438.5	13.3	68.7	-101.43	-5,661.3	-627.5	5,783.3	5,701.5	81.78	70.720	
3,600.0	3,530.8	3,493.3	3,493.3	13.6	69.8	-101.56	-5,661.3	-627.5	5,786.3	5,703.1	83.18	69.567	
3,641.7	3,571.2	3,533.7	3,533.7	13.8	70.6	-101.66	-5,661.3	-627.5	5,788.5	5,704.3	84.20	68.744	
3,700.0	3,627.5	3,590.0	3,590.0	14.2	71.7	-101.80	-5,661.3	-627.5	5,791.6	5,706.0	85.64	67.627	
3,740.1	3,666.4	3,628.9	3,628.9	14.4	72.5	-101.90	-5,661.3	-627.5	5,793.8	5,707.1	86.63	66.880	
3,800.0	3,724.2	3,686.7	3,686.7	14.7	73.7	-102.04	-5,661.3	-627.5	5,797.0	5,708.9	88.10	65.797	
3,838.6	3,761.6	3,724.1	3,724.1	14.9	74.4	-102.13	-5,661.3	-627.5	5,799.1	5,710.1	89.05	65.119	
3,900.0	3,821.0	3,783.5	3,783.5	15.2	75.6	-102.28	-5,661.3	-627.5	5,802.5	5,712.0	90.57	64.068	
3,937.0	3,856.8	3,819.3	3,819.3	15.4	76.3	-102.36	-5,661.3	-627.5	5,804.6	5,713.1	91.48	63.452	
4,000.0	3,917.7	3,880.2	3,880.2	15.8	77.6	-102.51	-5,661.3	-627.5	5,808.2	5,715.1	93.03	62.432	
4,035.4	3,951.9	3,914.4	3,914.4	16.0	78.2	-102.60	-5,661.3	-627.5	5,810.2	5,716.3	93.90	61.873	
4,100.0	4,014.4	3,976.9	3,976.9	16.3	79.5	-102.75	-5,661.3	-627.5	5,813.9	5,718.4	95.49	60.882	
4,133.8	4,047.1	4,009.6	4,009.6	16.5	80.2	-102.83	-5,661.3	-627.5	5,815.9	5,719.5	96.33	60.375	
4,200.0	4,111.1	4,073.6	4,073.6	16.9	81.4	-102.99	-5,661.3	-627.5	5,819.7	5,721.8	97.96	59.411	
4,232.3	4,142.3	4,104.8	4,104.8	17.0	82.1	-103.06	-5,661.3	-627.5	5,821.6	5,722.9	98.75	58.952	
4,300.0	4,207.8	4,170.3	4,170.3	17.4	83.4	-103.22	-5,661.3	-627.5	5,825.7	5,725.3	100.42	58.014	
4,330.7	4,237.5	4,200.0	4,200.0	17.6	84.0	-103.29	-5,661.3	-627.5	5,827.5	5,726.3	101.17	57.599	
4,400.0	4,304.6	4,267.1	4,267.1	17.9	85.3	-103.46	-5,661.3	-627.5	5,831.7	5,728.8	102.88	56.685	
4,429.1	4,332.7	4,295.2	4,295.2	18.1	85.9	-103.53	-5,661.3	-627.5	5,833.5	5,729.9	103.60	56.310	
4,500.0	4,401.3	4,363.8	4,363.8	18.5	87.3	-103.69	-5,661.3	-627.5	5,837.9	5,732.5	105.34	55.419	
4,527.5	4,427.9	4,390.4	4,390.4	18.6	87.8	-103.76	-5,661.3	-627.5	5,839.6	5,733.6	106.02	55.081	
4,600.0	4,498.0	4,460.5	4,460.5	19.0	89.2	-103.93	-5,661.3	-627.5	5,844.1	5,736.3	107.80	54.213	
4,626.0	4,523.1	4,485.6	4,485.6	19.2	89.7	-103.99	-5,661.3	-627.5	5,845.8	5,737.3	108.44	53.909	
4,700.0	4,594.7	4,557.2	4,557.2	19.6	91.2	-104.16	-5,661.3	-627.5	5,850.5	5,740.2	110.26	53.062	
4,724.4	4,618.3	4,580.8	4,580.8	19.7	91.6	-104.22	-5,661.3	-627.5	5,852.1	5,741.2	110.86	52.789	
4,800.0	4,691.5	4,654.0	4,654.0	20.1	93.1	-104.39	-5,661.3	-627.5	5,857.0	5,744.2	112.72	51.962	
4,822.8	4,713.5	4,676.0	4,676.0	20.2	93.6	-104.45	-5,661.3	-627.5	5,858.4	5,745.2	113.28	51.718	
4,900.0	4,788.2	4,750.7	4,750.7	20.7	95.1	-104.63	-5,661.3	-627.5	5,863.5	5,748.3	115.17	50.911	
4,921.2	4,808.7	4,771.2	4,771.2	20.8	95.5	-104.68	-5,661.3	-627.5	5,864.9	5,749.2	115.69	50.693	
5,000.0	4,884.9	4,847.4	4,847.4	21.2	97.0	-104.86	-5,661.3	-627.5	5,870.2	5,752.6	117.63	49.905	
5,019.7	4,903.9	4,866.4	4,866.4	21.3	97.4	-104.91	-5,661.3	-627.5	5,871.5	5,753.4	118.11	49.712	
5,100.0	4,981.6	4,944.1	4,944.1	21.8	98.9	-105.09	-5,661.3	-627.5	5,877.0	5,756.9	120.08	48.941	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,118.1	4,999.1	4,961.6	4,961.6	21.8	99.3	-105.13	-5,661.3	-627.5	5,878.2	5,757.7	120.53	48.771	
5,200.0	5,078.3	5,040.8	5,040.8	22.3	100.9	-105.32	-5,661.3	-627.5	5,883.8	5,761.3	122.54	48.017	
5,216.5	5,094.3	5,056.8	5,056.8	22.4	101.2	-105.36	-5,661.3	-627.5	5,885.0	5,762.0	122.94	47.868	
5,300.0	5,175.1	5,137.6	5,137.6	22.8	102.8	-105.55	-5,661.3	-627.5	5,890.8	5,765.8	124.99	47.131	
5,314.9	5,189.5	5,152.0	5,152.0	22.9	103.1	-105.59	-5,661.3	-627.5	5,891.9	5,766.5	125.35	47.001	
5,400.0	5,271.8	5,234.3	5,234.3	23.4	104.8	-105.78	-5,661.3	-627.5	5,897.9	5,770.4	127.44	46.280	
5,413.4	5,284.7	5,247.2	5,247.2	23.5	105.0	-105.82	-5,661.3	-627.5	5,898.8	5,771.1	127.77	46.169	
5,500.0	5,368.5	5,331.0	5,331.0	23.9	106.7	-106.01	-5,661.3	-627.5	5,905.1	5,775.2	129.89	45.462	
5,511.8	5,379.9	5,342.4	5,342.4	24.0	107.0	-106.04	-5,661.3	-627.5	5,905.9	5,775.7	130.18	45.368	
5,600.0	5,465.2	5,427.7	5,427.7	24.5	108.7	-106.24	-5,661.3	-627.5	5,912.3	5,780.0	132.34	44.676	
5,610.2	5,475.1	5,437.6	5,437.6	24.5	108.9	-106.27	-5,661.3	-627.5	5,913.1	5,780.5	132.59	44.597	
5,647.2	5,510.9	5,473.4	5,473.4	24.7	109.6	-106.35	-5,661.3	-627.5	5,915.8	5,782.3	133.49	44.315	
5,700.0	5,562.1	5,524.6	5,524.6	25.0	110.6	-106.54	-5,661.3	-627.5	5,919.6	5,784.8	134.78	43.920	
5,708.6	5,570.5	5,533.0	5,533.0	25.0	110.8	-106.57	-5,661.3	-627.5	5,920.2	5,785.2	134.98	43.859	
5,800.0	5,659.6	5,622.1	5,622.1	25.3	112.6	-106.86	-5,661.3	-627.5	5,926.0	5,788.9	137.13	43.215	
5,807.1	5,666.6	5,629.1	5,629.1	25.4	112.7	-106.88	-5,661.3	-627.5	5,926.4	5,789.1	137.29	43.166	
5,900.0	5,757.9	5,720.4	5,720.4	25.7	114.6	-107.14	-5,661.3	-627.5	5,931.5	5,792.1	139.45	42.535	
5,905.5	5,763.3	5,725.8	5,725.8	25.7	114.7	-107.15	-5,661.3	-627.5	5,931.8	5,792.2	139.57	42.499	
6,000.0	5,856.7	5,819.2	5,819.2	26.0	116.5	-107.36	-5,661.3	-627.5	5,936.0	5,794.3	141.73	41.881	
6,003.9	5,860.6	5,823.1	5,823.1	26.0	116.6	-107.37	-5,661.3	-627.5	5,936.2	5,794.3	141.82	41.857	
6,100.0	5,956.1	5,918.6	5,918.6	26.2	118.5	-107.53	-5,661.3	-627.5	5,939.5	5,795.5	143.98	41.252	
6,102.3	5,958.4	5,920.9	5,920.9	26.2	118.6	-107.54	-5,661.3	-627.5	5,939.6	5,795.5	144.03	41.238	
6,200.0	6,055.7	6,018.2	6,018.2	26.4	120.5	-107.65	-5,661.3	-627.5	5,942.0	5,795.8	146.19	40.647	
6,200.8	6,056.5	6,019.0	6,019.0	26.4	120.6	-107.66	-5,661.3	-627.5	5,942.0	5,795.8	146.20	40.642	
6,299.2	6,154.8	6,117.3	6,117.3	26.5	122.5	-107.72	-5,661.3	-627.5	5,943.4	5,795.0	148.33	40.069	
6,300.0	6,155.6	6,118.1	6,118.1	26.5	122.6	-107.72	-5,661.3	-627.5	5,943.4	5,795.0	148.35	40.064	
6,382.9	6,238.5	6,201.0	6,201.0	26.6	124.2	174.93	-5,661.3	-627.5	5,943.7	5,793.7	150.08	39.603	
6,397.6	6,253.2	6,215.7	6,215.7	26.6	124.5	174.93	-5,661.3	-627.5	5,943.7	5,793.4	150.39	39.521	
6,400.0	6,255.6	6,218.1	6,218.1	26.6	124.6	174.93	-5,661.3	-627.5	5,943.7	5,793.3	150.45	39.508	
6,412.9	6,268.5	6,231.0	6,231.0	26.6	124.8	174.93	-5,661.3	-627.5	5,943.7	5,793.0	150.72	39.436	
6,450.0	6,305.6	6,268.1	6,268.1	26.7	125.6	-5.29	-5,661.3	-627.5	5,942.8	5,791.5	151.29	39.280	
6,496.0	6,351.5	6,314.0	6,314.0	26.7	126.5	-5.32	-5,661.3	-627.5	5,938.9	5,787.5	151.41	39.224	
6,500.0	6,355.4	6,317.9	6,317.9	26.7	126.6	-5.32	-5,661.3	-627.5	5,938.5	5,787.1	151.39	39.226	
6,550.0	6,404.8	6,367.3	6,367.3	26.7	127.6	-5.39	-5,661.3	-627.5	5,930.7	5,780.0	150.75	39.342	
6,594.5	6,448.1	6,410.6	6,410.6	26.8	128.4	-5.47	-5,661.3	-627.5	5,921.0	5,771.4	149.54	39.595	
6,600.0	6,453.5	6,416.0	6,416.0	26.8	128.5	-5.49	-5,661.3	-627.5	5,919.6	5,770.2	149.35	39.637	
6,650.0	6,501.3	6,463.8	6,463.8	26.8	129.5	-5.62	-5,661.3	-627.5	5,905.0	5,757.8	147.19	40.120	
6,692.9	6,541.4	6,503.9	6,503.9	26.8	130.3	-5.76	-5,661.3	-627.5	5,889.9	5,745.2	144.73	40.697	
6,700.0	6,548.0	6,510.5	6,510.5	26.8	130.4	-5.79	-5,661.3	-627.5	5,887.2	5,742.9	144.27	40.808	
6,750.0	6,593.3	6,555.8	6,555.8	26.8	131.4	-6.00	-5,661.3	-627.5	5,866.2	5,725.6	140.60	41.721	
6,791.3	6,629.6	6,592.1	6,592.1	26.8	132.1	-6.21	-5,661.3	-627.5	5,846.5	5,709.5	137.02	42.668	
6,800.0	6,637.0	6,599.5	6,599.5	26.8	132.2	-6.26	-5,661.3	-627.5	5,842.1	5,705.9	136.21	42.890	
6,850.0	6,679.0	6,641.5	6,641.5	26.8	133.1	-6.57	-5,661.3	-627.5	5,815.0	5,683.9	131.11	44.351	
6,889.7	6,710.9	6,673.4	6,673.4	26.8	133.7	-6.88	-5,661.3	-627.5	5,791.4	5,664.9	126.58	45.752	
6,900.0	6,718.9	6,681.4	6,681.4	26.8	133.9	-6.96	-5,661.3	-627.5	5,785.1	5,659.7	125.35	46.152	
6,950.0	6,756.7	6,719.2	6,719.2	26.8	134.6	-7.43	-5,661.3	-627.5	5,752.5	5,633.5	118.97	48.352	
6,988.2	6,783.9	6,746.4	6,746.4	26.8	135.2	-7.87	-5,661.3	-627.5	5,725.8	5,612.1	113.73	50.347	
7,000.0	6,792.0	6,754.5	6,754.5	26.8	135.4	-8.01	-5,661.3	-627.5	5,717.3	5,605.2	112.04	51.027	
7,050.0	6,824.8	6,787.3	6,787.3	26.8	136.0	-8.73	-5,661.3	-627.5	5,679.8	5,575.1	104.67	54.262	
7,086.6	6,847.2	6,809.7	6,809.7	26.8	136.5	-9.37	-5,661.3	-627.5	5,650.9	5,551.8	99.08	57.032	
7,100.0	6,854.9	6,817.4	6,817.4	26.8	136.6	-9.63	-5,661.3	-627.5	5,640.0	5,543.0	97.00	58.143	
7,150.0	6,882.2	6,844.7	6,844.7	26.8	137.2	-10.78	-5,661.3	-627.5	5,598.3	5,509.1	89.27	62.714	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,185.0	6,899.5	6,862.0	6,862.0	26.8	137.5	-11.78	-5,661.3	-627.5	5,568.0	5,484.0	84.01	66.280	
7,200.0	6,906.5	6,869.0	6,869.0	26.9	137.7	-12.28	-5,661.3	-627.5	5,554.8	5,473.0	81.86	67.858	
7,250.0	6,927.6	6,890.1	6,890.1	26.9	138.1	-14.30	-5,661.3	-627.5	5,509.7	5,434.3	75.48	72.997	
7,283.4	6,940.0	6,902.5	6,902.5	27.0	138.3	-16.09	-5,661.3	-627.5	5,478.8	5,406.4	72.39	75.689	
7,300.0	6,945.5	6,908.0	6,908.0	27.0	138.4	-17.14	-5,661.3	-627.5	5,463.3	5,391.9	71.41	76.505	
7,350.0	6,960.2	6,922.7	6,922.7	27.1	138.7	-21.37	-5,661.3	-627.5	5,415.8	5,343.8	71.93	75.287	
7,381.9	6,967.8	6,930.3	6,930.3	27.2	138.9	-25.28	-5,661.3	-627.5	5,385.0	5,308.7	76.28	70.595	
7,400.0	6,971.5	6,934.0	6,934.0	27.2	139.0	-28.16	-5,661.3	-627.5	5,367.3	5,286.6	80.71	66.501	
7,450.0	6,979.3	6,941.8	6,941.8	27.4	139.1	-40.18	-5,661.3	-627.5	5,318.2	5,215.3	102.92	51.672	
7,480.3	6,982.4	6,944.9	6,944.9	27.5	139.2	-52.31	-5,661.3	-627.5	5,288.2	5,163.7	124.55	42.458	
7,500.0	6,983.7	6,946.2	6,946.2	27.5	139.2	-63.12	-5,661.3	-627.5	5,268.7	5,128.4	140.28	37.558	
7,541.4	6,984.7	6,947.2	6,947.2	27.7	139.2	-92.66	-5,661.3	-627.5	5,227.5	5,068.7	158.84	32.911	
7,578.7	6,984.5	6,947.0	6,947.0	27.9	139.2	-92.64	-5,661.3	-627.5	5,190.4	5,031.2	159.21	32.601	
7,600.0	6,984.4	6,946.9	6,946.9	28.0	139.2	-92.63	-5,661.3	-627.5	5,169.2	5,009.8	159.42	32.425	
7,677.1	6,984.0	6,946.5	6,946.5	28.5	139.2	-92.59	-5,661.3	-627.5	5,092.5	4,932.3	160.24	31.782	
7,700.0	6,983.9	6,946.4	6,946.4	28.6	139.2	-92.58	-5,661.3	-627.5	5,069.8	4,909.3	160.48	31.592	
7,775.6	6,983.5	6,946.0	6,946.0	29.2	139.2	-92.54	-5,661.3	-627.5	4,994.7	4,833.3	161.34	30.957	
7,800.0	6,983.4	6,945.9	6,945.9	29.4	139.2	-92.53	-5,661.3	-627.5	4,970.4	4,808.8	161.62	30.753	
7,874.0	6,983.1	6,945.6	6,945.6	30.0	139.2	-92.49	-5,661.3	-627.5	4,896.9	4,734.3	162.55	30.125	
7,900.0	6,982.9	6,945.4	6,945.4	30.3	139.2	-92.48	-5,661.3	-627.5	4,871.0	4,708.2	162.88	29.906	
7,972.4	6,982.6	6,945.1	6,945.1	31.0	139.2	-92.44	-5,661.3	-627.5	4,799.1	4,635.2	163.85	29.289	
8,000.0	6,982.4	6,944.9	6,944.9	31.3	139.2	-92.43	-5,661.3	-627.5	4,771.7	4,607.5	164.23	29.056	
8,070.8	6,982.1	6,944.6	6,944.6	32.1	139.2	-92.39	-5,661.3	-627.5	4,701.3	4,536.1	165.24	28.452	
8,100.0	6,982.0	6,944.5	6,944.5	32.4	139.2	-92.38	-5,661.3	-627.5	4,672.4	4,506.7	165.65	28.206	
8,169.3	6,981.6	6,944.1	6,944.1	33.2	139.2	-92.34	-5,661.3	-627.5	4,603.6	4,436.9	166.69	27.617	
8,200.0	6,981.5	6,944.0	6,944.0	33.6	139.2	-92.33	-5,661.3	-627.5	4,573.1	4,405.9	167.15	27.359	
8,267.7	6,981.1	6,943.6	6,943.6	34.5	139.2	-92.29	-5,661.3	-627.5	4,505.8	4,337.6	168.20	26.788	
8,300.0	6,981.0	6,943.5	6,943.5	34.9	139.2	-92.28	-5,661.3	-627.5	4,473.8	4,305.1	168.70	26.519	
8,366.1	6,980.7	6,943.2	6,943.2	35.8	139.1	-92.24	-5,661.3	-627.5	4,408.2	4,238.4	169.76	25.967	
8,400.0	6,980.5	6,943.0	6,943.0	36.3	139.1	-92.23	-5,661.3	-627.5	4,374.6	4,204.3	170.31	25.686	
8,464.5	6,980.2	6,942.7	6,942.7	37.2	139.1	-92.19	-5,661.3	-627.5	4,310.5	4,139.2	171.37	25.154	
8,500.0	6,980.0	6,942.5	6,942.5	37.7	139.1	-92.18	-5,661.3	-627.5	4,275.4	4,103.4	171.95	24.864	
8,563.0	6,979.7	6,942.2	6,942.2	38.6	139.1	-92.14	-5,661.3	-627.5	4,212.9	4,039.9	173.01	24.351	
8,600.0	6,979.5	6,942.0	6,942.0	39.1	139.1	-92.13	-5,661.3	-627.5	4,176.2	4,002.6	173.63	24.052	
8,661.4	6,979.2	6,941.7	6,941.7	40.1	139.1	-92.09	-5,661.3	-627.5	4,115.3	3,940.7	174.68	23.559	
8,700.0	6,979.0	6,941.5	6,941.5	40.7	139.1	-92.07	-5,661.3	-627.5	4,077.1	3,901.7	175.34	23.253	
8,759.8	6,978.7	6,941.2	6,941.2	41.6	139.1	-92.04	-5,661.3	-627.5	4,017.8	3,841.4	176.38	22.779	
8,800.0	6,978.5	6,941.0	6,941.0	42.2	139.1	-92.02	-5,661.3	-627.5	3,978.0	3,800.9	177.08	22.465	
8,858.2	6,978.2	6,940.7	6,940.7	43.1	139.1	-91.99	-5,661.3	-627.5	3,920.3	3,742.2	178.10	22.012	
8,900.0	6,978.0	6,940.5	6,940.5	43.8	139.1	-91.97	-5,661.3	-627.5	3,879.0	3,700.2	178.84	21.690	
8,956.7	6,977.8	6,940.3	6,940.3	44.7	139.1	-91.94	-5,661.3	-627.5	3,822.9	3,643.0	179.85	21.257	
9,000.0	6,977.5	6,940.0	6,940.0	45.4	139.1	-91.92	-5,661.3	-627.5	3,780.0	3,599.4	180.62	20.928	
9,055.1	6,977.3	6,939.8	6,939.8	46.3	139.1	-91.89	-5,661.3	-627.5	3,725.5	3,543.9	181.61	20.514	
9,100.0	6,977.1	6,939.6	6,939.6	47.1	139.1	-91.87	-5,661.3	-627.5	3,681.1	3,498.7	182.41	20.180	
9,153.5	6,976.8	6,939.3	6,939.3	48.0	139.1	-91.84	-5,661.3	-627.5	3,628.2	3,444.8	183.38	19.785	
9,200.0	6,976.6	6,939.1	6,939.1	48.8	139.1	-91.82	-5,661.3	-627.5	3,582.2	3,398.0	184.23	19.445	
9,251.9	6,976.3	6,938.8	6,938.8	49.7	139.1	-91.79	-5,661.3	-627.5	3,530.9	3,345.7	185.18	19.068	
9,300.0	6,976.1	6,938.6	6,938.6	50.5	139.1	-91.77	-5,661.3	-627.5	3,483.4	3,297.4	186.05	18.723	
9,350.4	6,975.8	6,938.3	6,938.3	51.3	139.1	-91.74	-5,661.3	-627.5	3,433.7	3,246.7	186.98	18.364	
9,400.0	6,975.6	6,938.1	6,938.1	52.2	139.0	-91.72	-5,661.3	-627.5	3,384.7	3,196.8	187.89	18.014	
9,448.8	6,975.3	6,937.8	6,937.8	53.1	139.0	-91.69	-5,661.3	-627.5	3,336.6	3,147.8	188.80	17.673	
9,500.0	6,975.1	6,937.6	6,937.6	54.0	139.0	-91.67	-5,661.3	-627.5	3,286.1	3,096.3	189.74	17.319	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,547.2	6,974.9	6,937.4	6,937.4	54.8	139.0	-91.64	-5,661.3	-627.5	3,239.5	3,048.9	190.62	16.995	
9,600.0	6,974.6	6,937.1	6,937.1	55.7	139.0	-91.62	-5,661.3	-627.5	3,187.5	2,995.9	191.60	16.636	
9,645.6	6,974.4	6,936.9	6,936.9	56.5	139.0	-91.59	-5,661.3	-627.5	3,142.6	2,950.1	192.45	16.329	
9,700.0	6,974.1	6,936.6	6,936.6	57.5	139.0	-91.57	-5,661.3	-627.5	3,089.0	2,895.6	193.47	15.967	
9,744.1	6,973.9	6,936.4	6,936.4	58.3	139.0	-91.54	-5,661.3	-627.5	3,045.7	2,851.4	194.30	15.675	
9,800.0	6,973.6	6,936.1	6,936.1	59.3	139.0	-91.51	-5,661.3	-627.5	2,990.7	2,795.3	195.35	15.310	
9,842.5	6,973.4	6,935.9	6,935.9	60.0	139.0	-91.49	-5,661.3	-627.5	2,948.9	2,752.8	196.15	15.034	
9,900.0	6,973.1	6,935.6	6,935.6	61.1	139.0	-91.46	-5,661.3	-627.5	2,892.4	2,695.2	197.23	14.665	
9,940.9	6,972.9	6,935.4	6,935.4	61.8	139.0	-91.44	-5,661.3	-627.5	2,852.3	2,654.3	198.00	14.405	
10,000.0	6,972.6	6,935.1	6,935.1	62.9	139.0	-91.41	-5,661.3	-627.5	2,794.3	2,595.2	199.12	14.033	
10,039.3	6,972.4	6,934.9	6,934.9	63.6	139.0	-91.39	-5,661.3	-627.5	2,755.7	2,555.9	199.86	13.788	
10,100.0	6,972.1	6,934.6	6,934.6	64.7	139.0	-91.36	-5,661.3	-627.5	2,696.3	2,495.3	201.01	13.414	
10,137.8	6,972.0	6,934.5	6,934.5	65.4	139.0	-91.34	-5,661.3	-627.5	2,659.3	2,457.6	201.73	13.183	
10,200.0	6,971.6	6,934.1	6,934.1	66.6	139.0	-91.31	-5,661.3	-627.5	2,598.5	2,395.5	202.91	12.806	
10,236.2	6,971.5	6,934.0	6,934.0	67.2	139.0	-91.29	-5,661.3	-627.5	2,563.1	2,359.5	203.60	12.589	
10,300.0	6,971.2	6,933.7	6,933.7	68.4	139.0	-91.26	-5,661.3	-627.5	2,500.8	2,296.0	204.82	12.210	
10,334.6	6,971.0	6,933.5	6,933.5	69.0	139.0	-91.24	-5,661.3	-627.5	2,467.0	2,261.5	205.48	12.006	
10,400.0	6,970.7	6,933.2	6,933.2	70.2	138.9	-91.21	-5,661.3	-627.5	2,403.3	2,196.6	206.73	11.626	
10,433.0	6,970.5	6,933.0	6,933.0	70.9	138.9	-91.19	-5,661.3	-627.5	2,371.1	2,163.8	207.36	11.435	
10,500.0	6,970.2	6,932.7	6,932.7	72.1	138.9	-91.16	-5,661.3	-627.5	2,306.1	2,097.4	208.64	11.053	
10,531.5	6,970.0	6,932.5	6,932.5	72.7	138.9	-91.14	-5,661.3	-627.5	2,275.5	2,066.2	209.24	10.875	
10,600.0	6,969.7	6,932.2	6,932.2	74.0	138.9	-91.10	-5,661.3	-627.5	2,209.0	1,998.5	210.56	10.491	
10,629.9	6,969.5	6,932.0	6,932.0	74.5	138.9	-91.09	-5,661.3	-627.5	2,180.1	1,968.9	211.13	10.326	
10,700.0	6,969.2	6,931.7	6,931.7	75.8	138.9	-91.05	-5,661.3	-627.5	2,112.3	1,899.8	212.48	9.941	
10,728.3	6,969.0	6,931.5	6,931.5	76.4	138.9	-91.04	-5,661.3	-627.5	2,084.9	1,871.9	213.02	9.787	
10,800.0	6,968.7	6,931.2	6,931.2	77.7	138.9	-91.00	-5,661.3	-627.5	2,015.9	1,801.5	214.40	9.402	
10,826.7	6,968.6	6,931.1	6,931.1	78.2	138.9	-90.99	-5,661.3	-627.5	1,990.1	1,775.2	214.92	9.260	
10,900.0	6,968.2	6,930.7	6,930.7	79.6	138.9	-90.95	-5,661.3	-627.5	1,919.8	1,703.5	216.33	8.875	
10,925.2	6,968.1	6,930.6	6,930.6	80.1	138.9	-90.94	-5,661.3	-627.5	1,895.7	1,678.9	216.81	8.743	
11,000.0	6,967.7	6,930.2	6,930.2	81.5	138.9	-90.90	-5,661.3	-627.5	1,824.2	1,605.9	218.26	8.358	
11,023.6	6,967.6	6,930.1	6,930.1	81.9	138.9	-90.89	-5,661.3	-627.5	1,801.7	1,583.0	218.71	8.238	
11,100.0	6,967.2	6,929.7	6,929.7	83.4	138.9	-90.85	-5,661.3	-627.5	1,729.0	1,508.9	220.19	7.853	
11,122.0	6,967.1	6,929.6	6,929.6	83.8	138.9	-90.84	-5,661.3	-627.5	1,708.2	1,487.5	220.61	7.743	
11,200.0	6,966.7	6,929.2	6,929.2	85.3	138.9	-90.80	-5,661.3	-627.5	1,634.5	1,412.4	222.12	7.359	
11,220.4	6,966.6	6,929.1	6,929.1	85.7	138.9	-90.79	-5,661.3	-627.5	1,615.2	1,392.7	222.52	7.259	
11,300.0	6,966.2	6,928.7	6,928.7	87.2	138.9	-90.74	-5,661.3	-627.5	1,540.6	1,316.6	224.06	6.876	
11,318.9	6,966.1	6,928.6	6,928.6	87.5	138.9	-90.74	-5,661.3	-627.5	1,523.0	1,298.6	224.42	6.786	
11,400.0	6,965.7	6,928.2	6,928.2	89.1	138.8	-90.69	-5,661.3	-627.5	1,447.6	1,221.6	225.99	6.405	
11,417.3	6,965.6	6,928.1	6,928.1	89.4	138.8	-90.68	-5,661.3	-627.5	1,431.6	1,205.2	226.33	6.325	
11,500.0	6,965.2	6,927.7	6,927.7	91.0	138.8	-90.64	-5,661.3	-627.5	1,355.5	1,127.6	227.93	5.947	
11,515.7	6,965.2	6,927.7	6,927.7	91.3	138.8	-90.63	-5,661.3	-627.5	1,341.1	1,112.9	228.24	5.876	
11,600.0	6,964.7	6,927.2	6,927.2	92.9	138.8	-90.59	-5,661.3	-627.5	1,264.7	1,034.8	229.87	5.501	
11,614.1	6,964.7	6,927.2	6,927.2	93.2	138.8	-90.58	-5,661.3	-627.5	1,251.9	1,021.8	230.15	5.440	
11,700.0	6,964.3	6,926.8	6,926.8	94.8	138.8	-90.54	-5,661.3	-627.5	1,175.3	943.5	231.82	5.070	
11,712.6	6,964.2	6,926.7	6,926.7	95.1	138.8	-90.53	-5,661.3	-627.5	1,164.2	932.1	232.06	5.017	
11,800.0	6,963.8	6,926.3	6,926.3	96.7	138.8	-90.49	-5,661.3	-627.5	1,087.8	854.0	233.76	4.653	
11,811.0	6,963.7	6,926.2	6,926.2	97.0	138.8	-90.48	-5,661.3	-627.5	1,078.3	844.3	233.98	4.608	
11,900.0	6,963.3	6,925.8	6,925.8	98.7	138.8	-90.44	-5,661.3	-627.5	1,002.6	766.9	235.71	4.254	
11,909.4	6,963.2	6,925.7	6,925.7	98.9	138.8	-90.43	-5,661.3	-627.5	994.7	758.8	235.89	4.217	
12,000.0	6,962.8	6,925.3	6,925.3	100.6	138.8	-90.38	-5,661.3	-627.5	920.4	682.7	237.65	3.873	
12,007.8	6,962.7	6,925.2	6,925.2	100.7	138.8	-90.38	-5,661.3	-627.5	914.1	676.3	237.81	3.844	
12,100.0	6,962.3	6,924.8	6,924.8	102.5	138.8	-90.33	-5,661.3	-627.5	842.1	602.5	239.60	3.514	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,106.3	6,962.2	6,924.7	6,924.7	102.6	138.8	-90.33	-5,661.3	-627.5	837.3	597.6	239.72	3.493	
12,200.0	6,961.8	6,924.3	6,924.3	104.5	138.8	-90.28	-5,661.3	-627.5	768.8	527.2	241.55	3.183	
12,204.7	6,961.8	6,924.3	6,924.3	104.5	138.8	-90.28	-5,661.3	-627.5	765.5	523.8	241.64	3.168	
12,300.0	6,961.3	6,923.8	6,923.8	106.4	138.8	-90.23	-5,661.3	-627.5	702.1	458.6	243.50	2.883	
12,303.1	6,961.3	6,923.8	6,923.8	106.4	138.8	-90.23	-5,661.3	-627.5	700.2	456.6	243.56	2.875	
12,400.0	6,960.8	6,923.3	6,923.3	108.3	138.7	-90.18	-5,661.3	-627.5	644.1	398.7	245.45	2.624	
12,401.5	6,960.8	6,923.3	6,923.3	108.3	138.7	-90.18	-5,661.3	-627.5	643.3	397.9	245.48	2.621	
12,500.0	6,960.3	6,922.8	6,922.8	110.3	138.7	-90.12	-5,661.3	-627.5	597.4	350.0	247.40	2.415	
12,598.4	6,959.8	6,922.3	6,922.3	112.2	138.7	-90.07	-5,661.3	-627.5	565.0	315.7	249.32	2.266	
12,600.0	6,959.8	6,922.3	6,922.3	112.2	138.7	-90.07	-5,661.3	-627.5	564.6	315.3	249.35	2.264	
12,696.8	6,959.3	6,921.8	6,921.8	114.1	138.7	-90.02	-5,661.3	-627.5	548.7	297.4	251.25	2.184	
12,700.0	6,959.3	6,921.8	6,921.8	114.1	138.7	-90.02	-5,661.3	-627.5	548.4	297.1	251.31	2.182	
12,740.3	6,959.1	6,921.6	6,921.6	114.9	138.7	-90.00	-5,661.3	-627.5	546.9	294.8	252.09	2.170 CC, ES, SF	
12,795.2	6,958.8	6,921.3	6,921.3	116.0	138.7	-89.97	-5,661.3	-627.5	549.7	296.5	253.17	2.171	
12,800.0	6,958.8	6,921.3	6,921.3	116.1	138.7	-89.97	-5,661.3	-627.5	550.2	296.9	253.26	2.172	
12,893.7	6,958.3	6,920.8	6,920.8	117.9	138.7	-89.92	-5,661.3	-627.5	568.0	313.0	255.09	2.227	
12,900.0	6,958.3	6,920.8	6,920.8	118.0	138.7	-89.92	-5,661.3	-627.5	569.8	314.6	255.22	2.233	
12,992.1	6,957.9	6,920.4	6,920.4	119.8	138.7	-89.87	-5,661.3	-627.5	602.1	345.1	257.02	2.343	
13,000.0	6,957.8	6,920.3	6,920.3	120.0	138.7	-89.87	-5,661.3	-627.5	605.5	348.3	257.17	2.354	
13,090.5	6,957.4	6,919.9	6,919.9	121.7	138.7	-89.82	-5,661.3	-627.5	649.5	390.5	258.94	2.508	
13,100.0	6,957.3	6,919.8	6,919.8	121.9	138.7	-89.81	-5,661.3	-627.5	654.6	395.5	259.13	2.526	
13,188.9	6,956.9	6,919.4	6,919.4	123.6	138.7	-89.77	-5,661.3	-627.5	707.4	446.6	260.87	2.712	
13,200.0	6,956.8	6,919.3	6,919.3	123.9	138.7	-89.76	-5,661.3	-627.5	714.5	453.4	261.08	2.737	
13,287.4	6,956.4	6,918.9	6,918.9	125.6	138.7	-89.72	-5,661.3	-627.5	773.6	510.8	262.79	2.944	
13,300.0	6,956.3	6,918.8	6,918.8	125.8	138.7	-89.71	-5,661.3	-627.5	782.6	519.5	263.04	2.975	
13,385.8	6,955.9	6,918.4	6,918.4	127.5	138.7	-89.66	-5,661.3	-627.5	846.1	581.4	264.72	3.196	
13,400.0	6,955.8	6,918.3	6,918.3	127.8	138.6	-89.66	-5,661.3	-627.5	857.0	592.0	265.00	3.234	
13,484.2	6,955.4	6,917.9	6,917.9	129.4	138.6	-89.61	-5,661.3	-627.5	923.4	656.7	266.65	3.463	
13,500.0	6,955.3	6,917.8	6,917.8	129.7	138.6	-89.60	-5,661.3	-627.5	936.1	669.2	266.95	3.507	
13,582.6	6,954.9	6,917.4	6,917.4	131.3	138.6	-89.56	-5,661.3	-627.5	1,004.4	735.8	268.57	3.740	
13,600.0	6,954.8	6,917.3	6,917.3	131.7	138.6	-89.55	-5,661.3	-627.5	1,019.0	750.0	268.91	3.789	
13,681.1	6,954.4	6,916.9	6,916.9	133.2	138.6	-89.51	-5,661.3	-627.5	1,088.2	817.7	270.50	4.023	
13,700.0	6,954.3	6,916.8	6,916.8	133.6	138.6	-89.50	-5,661.3	-627.5	1,104.6	833.8	270.87	4.078	
13,779.5	6,953.9	6,916.4	6,916.4	135.2	138.6	-89.46	-5,661.3	-627.5	1,174.4	901.9	272.43	4.311	
13,800.0	6,953.8	6,916.3	6,916.3	135.6	138.6	-89.45	-5,661.3	-627.5	1,192.5	919.7	272.83	4.371	
13,877.9	6,953.5	6,916.0	6,916.0	137.1	138.6	-89.41	-5,661.3	-627.5	1,262.3	987.9	274.35	4.601	
13,900.0	6,953.3	6,915.8	6,915.8	137.5	138.6	-89.40	-5,661.3	-627.5	1,282.2	1,007.4	274.79	4.666	
13,976.3	6,953.0	6,915.5	6,915.5	139.0	138.6	-89.36	-5,661.3	-627.5	1,351.7	1,075.4	276.28	4.892	
14,000.0	6,952.8	6,915.3	6,915.3	139.5	138.6	-89.34	-5,661.3	-627.5	1,373.3	1,096.6	276.75	4.962	
14,074.8	6,952.5	6,915.0	6,915.0	140.9	138.6	-89.30	-5,661.3	-627.5	1,442.2	1,164.0	278.21	5.184	
14,100.0	6,952.4	6,914.9	6,914.9	141.4	138.6	-89.29	-5,661.3	-627.5	1,465.6	1,186.9	278.71	5.259	
14,170.4	6,952.0	6,914.5	6,914.5	142.8	138.6	-89.25	-5,661.3	-627.5	1,531.1	1,251.1	280.02	5.468	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	175.00	-7,165.9	627.5	7,193.3				
98.4	98.4	85.9	85.9	0.1	0.6	175.00	-7,165.9	627.5	7,193.3	7,192.6	0.70	N/A	
100.0	100.0	87.5	87.5	0.1	0.6	175.00	-7,165.9	627.5	7,193.3	7,192.6	0.71	N/A	
196.8	196.8	184.3	184.3	0.3	2.7	175.00	-7,165.9	627.5	7,193.3	7,190.3	3.06	2,353.362	
200.0	200.0	187.5	187.5	0.3	2.8	175.00	-7,165.9	627.5	7,193.3	7,190.2	3.14	2,291.062	
295.3	295.3	282.8	282.8	0.5	4.8	175.00	-7,165.9	627.5	7,193.3	7,187.9	5.38	1,337.364	
300.0	300.0	287.5	287.5	0.5	4.9	175.00	-7,165.9	627.5	7,193.3	7,187.8	5.49	1,310.806	
393.7	393.7	381.2	381.2	0.8	6.9	175.00	-7,165.9	627.5	7,193.3	7,185.7	7.62	944.441	
400.0	400.0	387.5	387.5	0.8	7.0	175.00	-7,165.9	627.5	7,193.3	7,185.6	7.76	927.060	
492.1	492.1	479.6	479.6	1.0	8.9	175.00	-7,165.9	627.5	7,193.3	7,183.5	9.84	731.279	
500.0	500.0	487.5	487.5	1.0	9.0	175.00	-7,165.9	627.5	7,193.3	7,183.3	10.01	718.322	
590.5	590.5	578.0	578.0	1.2	10.8	175.00	-7,165.9	627.5	7,193.3	7,181.3	12.05	596.986	
600.0	600.0	587.5	587.5	1.2	11.0	175.00	-7,165.9	627.5	7,193.3	7,181.1	12.26	586.649	
689.0	689.0	676.5	676.5	1.4	12.8	175.00	-7,165.9	627.5	7,193.3	7,179.1	14.26	504.501	
700.0	700.0	687.5	687.5	1.4	13.1	175.00	-7,165.9	627.5	7,193.3	7,178.8	14.51	495.898	
787.4	787.4	774.9	774.9	1.6	14.8	175.00	-7,165.9	627.5	7,193.3	7,176.9	16.46	436.888	
800.0	800.0	787.5	787.5	1.7	15.1	175.00	-7,165.9	627.5	7,193.3	7,176.6	16.75	429.520	
885.8	885.8	873.3	873.3	1.9	16.8	175.00	-7,165.9	627.5	7,193.3	7,174.6	18.67	385.286	
900.0	900.0	887.5	887.5	1.9	17.1	175.00	-7,165.9	627.5	7,193.3	7,174.3	18.99	378.843	
984.2	984.2	971.7	971.7	2.1	18.8	175.00	-7,165.9	627.5	7,193.3	7,172.4	20.87	344.603	
1,000.0	1,000.0	987.5	987.5	2.1	19.1	175.00	-7,165.9	627.5	7,193.3	7,172.1	21.23	338.877	
1,082.7	1,082.7	1,070.2	1,070.2	2.3	20.8	-107.68	-7,165.9	627.5	7,193.7	7,170.6	23.07	311.838	
1,100.0	1,100.0	1,087.5	1,087.5	2.3	21.1	-107.68	-7,165.9	627.5	7,193.8	7,170.4	23.45	306.720	
1,181.1	1,181.0	1,168.5	1,168.5	2.5	22.8	-107.69	-7,165.9	627.5	7,195.1	7,169.8	25.25	284.917	
1,200.0	1,199.8	1,187.3	1,187.3	2.5	23.1	-107.69	-7,165.9	627.5	7,195.4	7,169.8	25.67	280.288	
1,279.5	1,279.1	1,266.6	1,266.6	2.7	24.7	-107.70	-7,165.9	627.5	7,197.5	7,170.0	27.44	262.307	
1,300.0	1,299.5	1,287.0	1,287.0	2.8	25.1	-107.71	-7,165.9	627.5	7,198.1	7,170.2	27.89	258.061	
1,377.9	1,376.9	1,364.4	1,364.4	3.0	26.7	-107.72	-7,165.9	627.5	7,200.9	7,171.3	29.63	243.012	
1,400.0	1,398.7	1,386.2	1,386.2	3.0	27.1	-107.73	-7,165.9	627.5	7,201.8	7,171.7	30.12	239.087	
1,476.4	1,474.2	1,461.7	1,461.7	3.2	28.7	-107.75	-7,165.9	627.5	7,205.4	7,173.6	31.84	226.324	
1,500.0	1,497.5	1,485.0	1,485.0	3.3	29.1	-107.75	-7,165.9	627.5	7,206.7	7,174.3	32.37	222.668	
1,574.8	1,571.0	1,558.5	1,558.5	3.5	30.6	-107.77	-7,165.9	627.5	7,211.0	7,176.9	34.06	211.718	
1,600.0	1,595.6	1,583.1	1,583.1	3.6	31.1	-107.78	-7,165.9	627.5	7,212.6	7,177.9	34.63	208.290	
1,673.2	1,667.0	1,654.5	1,654.5	3.9	32.5	-107.80	-7,165.9	627.5	7,217.6	7,181.3	36.31	198.802	
1,700.0	1,693.1	1,680.6	1,680.6	4.0	33.1	-107.81	-7,165.9	627.5	7,219.6	7,182.7	36.92	195.569	
1,735.7	1,727.6	1,715.1	1,715.1	4.1	33.8	-107.82	-7,165.9	627.5	7,222.4	7,184.7	37.74	191.372	
1,771.6	1,762.4	1,749.9	1,749.9	4.3	34.5	-107.89	-7,165.9	627.5	7,225.3	7,186.7	38.59	187.255	
1,800.0	1,789.8	1,777.3	1,777.3	4.4	35.0	-107.94	-7,165.9	627.5	7,227.6	7,188.3	39.25	184.137	
1,870.1	1,857.6	1,845.1	1,845.1	4.7	36.4	-108.07	-7,165.9	627.5	7,233.2	7,192.3	40.91	176.805	
1,900.0	1,886.6	1,874.1	1,874.1	4.8	36.9	-108.13	-7,165.9	627.5	7,235.7	7,194.1	41.62	173.853	
1,968.5	1,952.8	1,940.3	1,940.3	5.2	38.3	-108.26	-7,165.9	627.5	7,241.3	7,198.0	43.25	167.414	
2,000.0	1,983.3	1,970.8	1,970.8	5.3	38.9	-108.32	-7,165.9	627.5	7,243.9	7,199.9	44.01	164.613	
2,066.9	2,048.0	2,035.5	2,035.5	5.6	40.2	-108.44	-7,165.9	627.5	7,249.4	7,203.8	45.61	158.940	
2,100.0	2,080.0	2,067.5	2,067.5	5.8	40.8	-108.50	-7,165.9	627.5	7,252.1	7,205.7	46.40	156.282	
2,165.3	2,143.2	2,130.7	2,130.7	6.1	42.1	-108.62	-7,165.9	627.5	7,257.6	7,209.6	47.98	151.268	
2,200.0	2,176.7	2,164.2	2,164.2	6.3	42.8	-108.68	-7,165.9	627.5	7,260.5	7,211.7	48.81	148.741	
2,263.8	2,238.4	2,225.9	2,225.9	6.6	44.0	-108.80	-7,165.9	627.5	7,265.8	7,215.5	50.35	144.295	
2,300.0	2,273.4	2,260.9	2,260.9	6.8	44.7	-108.87	-7,165.9	627.5	7,268.9	7,217.7	51.23	141.890	
2,362.2	2,333.6	2,321.1	2,321.1	7.1	45.9	-108.98	-7,165.9	627.5	7,274.2	7,221.4	52.74	137.937	
2,400.0	2,370.2	2,357.7	2,357.7	7.3	46.7	-109.05	-7,165.9	627.5	7,277.4	7,223.7	53.65	135.643	
2,460.6	2,428.8	2,416.3	2,416.3	7.6	47.9	-109.16	-7,165.9	627.5	7,282.6	7,227.5	55.12	132.117	
2,500.0	2,466.9	2,454.4	2,454.4	7.8	48.6	-109.24	-7,165.9	627.5	7,286.0	7,229.9	56.08	129.927	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,559.0	2,524.0	2,511.5	2,511.5	8.1	49.8	-109.34	-7,165.9	627.5	7,291.1	7,233.6	57.51	126.774	
2,600.0	2,563.6	2,551.1	2,551.1	8.3	50.6	-109.42	-7,165.9	627.5	7,294.6	7,236.1	58.51	124.680	
2,657.5	2,619.2	2,606.7	2,606.7	8.6	51.7	-109.52	-7,165.9	627.5	7,299.6	7,239.7	59.91	121.853	
2,700.0	2,660.3	2,647.8	2,647.8	8.8	52.5	-109.60	-7,165.9	627.5	7,303.4	7,242.4	60.94	119.846	
2,755.9	2,714.4	2,701.9	2,701.9	9.1	53.6	-109.70	-7,165.9	627.5	7,308.3	7,246.0	62.30	117.307	
2,800.0	2,757.0	2,744.5	2,744.5	9.4	54.5	-109.78	-7,165.9	627.5	7,312.2	7,248.8	63.37	115.382	
2,854.3	2,809.6	2,797.1	2,797.1	9.6	55.5	-109.88	-7,165.9	627.5	7,317.0	7,252.3	64.70	113.096	
2,900.0	2,853.8	2,841.3	2,841.3	9.9	56.4	-109.96	-7,165.9	627.5	7,321.1	7,255.3	65.81	111.246	
2,952.7	2,904.8	2,892.3	2,892.3	10.2	57.4	-110.06	-7,165.9	627.5	7,325.8	7,258.7	67.10	109.185	
3,000.0	2,950.5	2,938.0	2,938.0	10.4	58.4	-110.15	-7,165.9	627.5	7,330.0	7,261.8	68.25	107.406	
3,051.2	3,000.0	2,987.5	2,987.5	10.7	59.3	-110.24	-7,165.9	627.5	7,334.7	7,265.2	69.49	105.544	
3,100.0	3,047.2	3,034.7	3,034.7	10.9	60.3	-110.33	-7,165.9	627.5	7,339.1	7,268.4	70.68	103.829	
3,149.6	3,095.2	3,082.7	3,082.7	11.2	61.3	-110.42	-7,165.9	627.5	7,343.6	7,271.7	71.89	102.145	
3,200.0	3,143.9	3,131.4	3,131.4	11.5	62.2	-110.51	-7,165.9	627.5	7,348.2	7,275.1	73.12	100.492	
3,248.0	3,190.4	3,177.9	3,177.9	11.7	63.2	-110.59	-7,165.9	627.5	7,352.6	7,278.3	74.29	98.967	
3,300.0	3,240.6	3,228.1	3,228.1	12.0	64.2	-110.69	-7,165.9	627.5	7,357.4	7,281.8	75.56	97.371	
3,346.4	3,285.6	3,273.1	3,273.1	12.3	65.1	-110.77	-7,165.9	627.5	7,361.7	7,285.0	76.69	95.989	
3,400.0	3,337.4	3,324.9	3,324.9	12.5	66.1	-110.87	-7,165.9	627.5	7,366.7	7,288.7	78.00	94.446	
3,444.9	3,380.8	3,368.3	3,368.3	12.8	67.0	-110.95	-7,165.9	627.5	7,370.9	7,291.8	79.09	93.192	
3,500.0	3,434.1	3,421.6	3,421.6	13.1	68.1	-111.05	-7,165.9	627.5	7,376.0	7,295.6	80.44	91.699	
3,543.3	3,476.0	3,463.5	3,463.5	13.3	68.9	-111.12	-7,165.9	627.5	7,380.1	7,298.6	81.49	90.561	
3,600.0	3,530.8	3,518.3	3,518.3	13.6	70.0	-111.22	-7,165.9	627.5	7,385.5	7,302.6	82.88	89.115	
3,641.7	3,571.2	3,558.7	3,558.7	13.8	70.8	-111.30	-7,165.9	627.5	7,389.4	7,305.5	83.89	88.081	
3,700.0	3,627.5	3,615.0	3,615.0	14.2	72.0	-111.40	-7,165.9	627.5	7,395.0	7,309.6	85.31	86.679	
3,740.1	3,666.4	3,653.9	3,653.9	14.4	72.7	-111.47	-7,165.9	627.5	7,398.8	7,312.5	86.29	85.741	
3,800.0	3,724.2	3,711.7	3,711.7	14.7	73.9	-111.58	-7,165.9	627.5	7,404.5	7,316.8	87.75	84.381	
3,838.6	3,761.6	3,749.1	3,749.1	14.9	74.7	-111.65	-7,165.9	627.5	7,408.3	7,319.6	88.69	83.528	
3,900.0	3,821.0	3,808.5	3,808.5	15.2	75.9	-111.76	-7,165.9	627.5	7,414.2	7,324.0	90.19	82.208	
3,937.0	3,856.8	3,844.3	3,844.3	15.4	76.6	-111.82	-7,165.9	627.5	7,417.8	7,326.7	91.09	81.434	
4,000.0	3,917.7	3,905.2	3,905.2	15.8	77.8	-111.93	-7,165.9	627.5	7,423.9	7,331.3	92.62	80.150	
4,035.4	3,951.9	3,939.4	3,939.4	16.0	78.5	-112.00	-7,165.9	627.5	7,427.4	7,333.9	93.49	79.448	
4,100.0	4,014.4	4,001.9	4,001.9	16.3	79.7	-112.11	-7,165.9	627.5	7,433.7	7,338.7	95.06	78.200	
4,133.8	4,047.1	4,034.6	4,034.6	16.5	80.4	-112.17	-7,165.9	627.5	7,437.1	7,341.2	95.88	77.562	
4,200.0	4,111.1	4,098.6	4,098.6	16.9	81.7	-112.29	-7,165.9	627.5	7,443.6	7,346.1	97.50	76.348	
4,232.3	4,142.3	4,129.8	4,129.8	17.0	82.3	-112.34	-7,165.9	627.5	7,446.8	7,348.5	98.28	75.770	
4,300.0	4,207.8	4,195.3	4,195.3	17.4	83.6	-112.46	-7,165.9	627.5	7,453.5	7,353.6	99.93	74.588	
4,330.7	4,237.5	4,225.0	4,225.0	17.6	84.2	-112.52	-7,165.9	627.5	7,456.6	7,355.9	100.68	74.065	
4,400.0	4,304.6	4,292.1	4,292.1	17.9	85.6	-112.64	-7,165.9	627.5	7,463.6	7,361.2	102.36	72.912	
4,429.1	4,332.7	4,320.2	4,320.2	18.1	86.1	-112.69	-7,165.9	627.5	7,466.5	7,363.4	103.07	72.440	
4,500.0	4,401.3	4,388.8	4,388.8	18.5	87.5	-112.81	-7,165.9	627.5	7,473.7	7,368.9	104.80	71.316	
4,527.5	4,427.9	4,415.4	4,415.4	18.6	88.1	-112.86	-7,165.9	627.5	7,476.4	7,371.0	105.47	70.890	
4,600.0	4,498.0	4,485.5	4,485.5	19.0	89.5	-112.99	-7,165.9	627.5	7,483.8	7,376.6	107.23	69.794	
4,626.0	4,523.1	4,510.6	4,510.6	19.2	90.0	-113.03	-7,165.9	627.5	7,486.5	7,378.6	107.86	69.410	
4,700.0	4,594.7	4,582.2	4,582.2	19.6	91.4	-113.16	-7,165.9	627.5	7,494.1	7,384.4	109.66	68.340	
4,724.4	4,618.3	4,605.8	4,605.8	19.7	91.9	-113.20	-7,165.9	627.5	7,496.6	7,386.3	110.25	67.995	
4,800.0	4,691.5	4,679.0	4,679.0	20.1	93.4	-113.33	-7,165.9	627.5	7,504.4	7,392.3	112.09	66.950	
4,822.8	4,713.5	4,701.0	4,701.0	20.2	93.8	-113.37	-7,165.9	627.5	7,506.7	7,394.1	112.64	66.642	
4,900.0	4,788.2	4,775.7	4,775.7	20.7	95.3	-113.51	-7,165.9	627.5	7,514.7	7,400.2	114.52	65.621	
4,921.2	4,808.7	4,796.2	4,796.2	20.8	95.7	-113.54	-7,165.9	627.5	7,517.0	7,401.9	115.03	65.346	
5,000.0	4,884.9	4,872.4	4,872.4	21.2	97.3	-113.68	-7,165.9	627.5	7,525.2	7,408.3	116.95	64.348	
5,019.7	4,903.9	4,891.4	4,891.4	21.3	97.6	-113.71	-7,165.9	627.5	7,527.3	7,409.8	117.42	64.104	
5,100.0	4,981.6	4,969.1	4,969.1	21.8	99.2	-113.85	-7,165.9	627.5	7,535.7	7,416.4	119.37	63.128	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,118.1	4,999.1	4,986.6	4,986.6	21.8	99.6	-113.88	-7,165.9	627.5	7,537.6	7,417.8	119.81	62.913	
5,200.0	5,078.3	5,065.8	5,065.8	22.3	101.1	-114.02	-7,165.9	627.5	7,546.3	7,424.5	121.80	61.958	
5,216.5	5,094.3	5,081.8	5,081.8	22.4	101.5	-114.05	-7,165.9	627.5	7,548.1	7,425.9	122.20	61.769	
5,300.0	5,175.1	5,162.6	5,162.6	22.8	103.1	-114.19	-7,165.9	627.5	7,557.0	7,432.8	124.22	60.834	
5,314.9	5,189.5	5,177.0	5,177.0	22.9	103.4	-114.22	-7,165.9	627.5	7,558.6	7,434.0	124.58	60.670	
5,400.0	5,271.8	5,259.3	5,259.3	23.4	105.0	-114.36	-7,165.9	627.5	7,567.7	7,441.1	126.65	59.755	
5,413.4	5,284.7	5,272.2	5,272.2	23.5	105.3	-114.39	-7,165.9	627.5	7,569.2	7,442.2	126.97	59.614	
5,500.0	5,368.5	5,356.0	5,356.0	23.9	107.0	-114.54	-7,165.9	627.5	7,578.5	7,449.5	129.07	58.717	
5,511.8	5,379.9	5,367.4	5,367.4	24.0	107.2	-114.56	-7,165.9	627.5	7,579.8	7,450.4	129.35	58.597	
5,600.0	5,465.2	5,452.7	5,452.7	24.5	108.9	-114.70	-7,165.9	627.5	7,589.4	7,457.9	131.49	57.718	
5,610.2	5,475.1	5,462.6	5,462.6	24.5	109.1	-114.72	-7,165.9	627.5	7,590.5	7,458.8	131.74	57.618	
5,647.2	5,510.9	5,498.4	5,498.4	24.7	109.8	-114.78	-7,165.9	627.5	7,594.6	7,461.9	132.63	57.260	
5,700.0	5,562.1	5,549.6	5,549.6	25.0	110.9	-114.97	-7,165.9	627.5	7,600.1	7,466.2	133.94	56.741	
5,708.6	5,570.5	5,558.0	5,558.0	25.0	111.0	-115.00	-7,165.9	627.5	7,601.0	7,466.9	134.15	56.660	
5,800.0	5,659.6	5,647.1	5,647.1	25.3	112.8	-115.29	-7,165.9	627.5	7,609.6	7,473.3	136.34	55.812	
5,807.1	5,666.6	5,654.1	5,654.1	25.4	113.0	-115.31	-7,165.9	627.5	7,610.3	7,473.7	136.51	55.748	
5,900.0	5,757.9	5,745.4	5,745.4	25.7	114.8	-115.56	-7,165.9	627.5	7,617.7	7,479.0	138.71	54.919	
5,905.5	5,763.3	5,750.8	5,750.8	25.7	114.9	-115.58	-7,165.9	627.5	7,618.1	7,479.3	138.84	54.871	
6,000.0	5,856.7	5,844.2	5,844.2	26.0	116.8	-115.78	-7,165.9	627.5	7,624.3	7,483.2	141.03	54.061	
6,003.9	5,860.6	5,848.1	5,848.1	26.0	116.9	-115.79	-7,165.9	627.5	7,624.5	7,483.4	141.12	54.028	
6,100.0	5,956.1	5,943.6	5,943.6	26.2	118.8	-115.95	-7,165.9	627.5	7,629.4	7,486.1	143.31	53.237	
6,102.3	5,958.4	5,945.9	5,945.9	26.2	118.8	-115.96	-7,165.9	627.5	7,629.5	7,486.1	143.36	53.218	
6,200.0	6,055.7	6,043.2	6,043.2	26.4	120.8	-116.07	-7,165.9	627.5	7,632.9	7,487.4	145.54	52.447	
6,200.8	6,056.5	6,044.0	6,044.0	26.4	120.8	-116.07	-7,165.9	627.5	7,633.0	7,487.4	145.55	52.441	
6,299.2	6,154.8	6,142.3	6,142.3	26.5	122.8	-116.14	-7,165.9	627.5	7,635.0	7,487.3	147.71	51.690	
6,300.0	6,155.6	6,143.1	6,143.1	26.5	122.8	-116.14	-7,165.9	627.5	7,635.0	7,487.3	147.71	51.690	
6,382.9	6,238.5	6,226.0	6,226.0	26.6	124.5	166.52	-7,165.9	627.5	7,635.5	7,486.1	149.44	51.095	
6,397.6	6,253.2	6,240.7	6,240.7	26.6	124.8	166.52	-7,165.9	627.5	7,635.5	7,485.8	149.75	50.988	
6,400.0	6,255.6	6,243.1	6,243.1	26.6	124.8	166.52	-7,165.9	627.5	7,635.5	7,485.7	149.80	50.971	
6,412.9	6,268.5	6,256.0	6,256.0	26.6	125.1	166.52	-7,165.9	627.5	7,635.5	7,485.4	150.07	50.878	
6,450.0	6,305.6	6,293.1	6,293.1	26.7	125.8	-13.71	-7,165.9	627.5	7,634.6	7,483.9	150.65	50.677	
6,496.0	6,351.5	6,339.0	6,339.0	26.7	126.7	-13.79	-7,165.9	627.5	7,630.8	7,480.0	150.80	50.604	
6,500.0	6,355.4	6,342.9	6,342.9	26.7	126.8	-13.80	-7,165.9	627.5	7,630.4	7,479.6	150.78	50.606	
6,550.0	6,404.8	6,392.3	6,392.3	26.7	127.8	-13.96	-7,165.9	627.5	7,622.8	7,472.6	150.19	50.753	
6,594.5	6,448.1	6,435.6	6,435.6	26.8	128.7	-14.17	-7,165.9	627.5	7,613.3	7,464.2	149.07	51.071	
6,600.0	6,453.5	6,441.0	6,441.0	26.8	128.8	-14.20	-7,165.9	627.5	7,611.9	7,463.0	148.89	51.124	
6,650.0	6,501.3	6,488.8	6,488.8	26.8	129.8	-14.52	-7,165.9	627.5	7,597.7	7,450.8	146.88	51.727	
6,692.9	6,541.4	6,528.9	6,528.9	26.8	130.6	-14.87	-7,165.9	627.5	7,583.0	7,438.4	144.60	52.440	
6,700.0	6,548.0	6,535.5	6,535.5	26.8	130.7	-14.93	-7,165.9	627.5	7,580.3	7,436.2	144.18	52.576	
6,750.0	6,593.3	6,580.8	6,580.8	26.8	131.6	-15.44	-7,165.9	627.5	7,559.9	7,419.0	140.81	53.688	
6,791.3	6,629.6	6,617.1	6,617.1	26.8	132.3	-15.95	-7,165.9	627.5	7,540.6	7,403.1	137.56	54.818	
6,800.0	6,637.0	6,624.5	6,624.5	26.8	132.5	-16.07	-7,165.9	627.5	7,536.3	7,399.5	136.82	55.081	
6,850.0	6,679.0	6,666.5	6,666.5	26.8	133.3	-16.83	-7,165.9	627.5	7,509.9	7,377.7	132.28	56.771	
6,889.7	6,710.9	6,698.4	6,698.4	26.8	134.0	-17.55	-7,165.9	627.5	7,487.0	7,358.6	128.34	58.335	
6,900.0	6,718.9	6,706.4	6,706.4	26.8	134.1	-17.76	-7,165.9	627.5	7,480.8	7,353.5	127.29	58.770	
6,950.0	6,756.7	6,744.2	6,744.2	26.8	134.9	-18.87	-7,165.9	627.5	7,449.0	7,327.0	121.97	61.072	
6,988.2	6,783.9	6,771.4	6,771.4	26.8	135.4	-19.88	-7,165.9	627.5	7,423.0	7,305.2	117.82	63.005	
7,000.0	6,792.0	6,779.5	6,779.5	26.8	135.6	-20.22	-7,165.9	627.5	7,414.7	7,298.2	116.53	63.631	
7,050.0	6,824.8	6,812.3	6,812.3	26.8	136.3	-21.86	-7,165.9	627.5	7,378.1	7,266.9	111.24	66.329	
7,086.6	6,847.2	6,834.7	6,834.7	26.8	136.7	-23.29	-7,165.9	627.5	7,350.0	7,242.3	107.70	68.248	
7,100.0	6,854.9	6,842.4	6,842.4	26.8	136.9	-23.88	-7,165.9	627.5	7,339.4	7,233.0	106.49	68.919	
7,150.0	6,882.2	6,869.7	6,869.7	26.8	137.4	-26.37	-7,165.9	627.5	7,298.8	7,196.0	102.86	70.961	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,185.0	6,899.5	6,887.0	6,887.0	26.8	137.8	-28.49	-7,165.9	627.5	7,269.3	7,168.0	101.35	71.723	
7,200.0	6,906.5	6,894.0	6,894.0	26.9	137.9	-29.50	-7,165.9	627.5	7,256.5	7,155.4	101.07	71.797	
7,250.0	6,927.6	6,915.1	6,915.1	26.9	138.3	-33.49	-7,165.9	627.5	7,212.6	7,110.6	102.03	70.692	
7,283.4	6,940.0	6,927.5	6,927.5	27.0	138.6	-36.78	-7,165.9	627.5	7,182.6	7,077.9	104.67	68.623	
7,300.0	6,945.5	6,933.0	6,933.0	27.0	138.7	-38.63	-7,165.9	627.5	7,167.5	7,060.8	106.65	67.206	
7,350.0	6,960.2	6,947.7	6,947.7	27.1	139.0	-45.33	-7,165.9	627.5	7,121.2	7,005.7	115.53	61.642	
7,381.9	6,967.8	6,955.3	6,955.3	27.2	139.1	-50.65	-7,165.9	627.5	7,091.3	6,968.0	123.34	57.496	
7,400.0	6,971.5	6,959.0	6,959.0	27.2	139.2	-54.09	-7,165.9	627.5	7,074.1	6,945.8	128.36	55.111	
7,450.0	6,979.3	6,966.8	6,966.8	27.4	139.4	-65.30	-7,165.9	627.5	7,026.4	6,883.4	143.05	49.117	
7,480.3	6,982.4	6,969.9	6,969.9	27.5	139.4	-73.28	-7,165.9	627.5	6,997.3	6,846.3	151.02	46.333	
7,500.0	6,983.7	6,971.2	6,971.2	27.5	139.5	-78.84	-7,165.9	627.5	6,978.3	6,823.2	155.06	45.004	
7,541.4	6,984.7	6,972.2	6,972.2	27.7	139.5	-91.04	-7,165.9	627.5	6,938.3	6,779.2	159.12	43.606	
7,578.7	6,984.5	6,972.0	6,972.0	27.9	139.5	-91.03	-7,165.9	627.5	6,902.3	6,742.8	159.48	43.279	
7,600.0	6,984.4	6,971.9	6,971.9	28.0	139.5	-91.03	-7,165.9	627.5	6,881.8	6,722.1	159.69	43.093	
7,677.1	6,984.0	6,971.5	6,971.5	28.5	139.5	-91.02	-7,165.9	627.5	6,807.4	6,646.9	160.51	42.412	
7,700.0	6,983.9	6,971.4	6,971.4	28.6	139.5	-91.01	-7,165.9	627.5	6,785.3	6,624.6	160.75	42.211	
7,775.6	6,983.5	6,971.0	6,971.0	29.2	139.5	-91.00	-7,165.9	627.5	6,712.5	6,550.9	161.61	41.536	
7,800.0	6,983.4	6,970.9	6,970.9	29.4	139.5	-91.00	-7,165.9	627.5	6,689.0	6,527.1	161.89	41.319	
7,874.0	6,983.1	6,970.6	6,970.6	30.0	139.4	-90.99	-7,165.9	627.5	6,617.8	6,455.0	162.81	40.646	
7,900.0	6,982.9	6,970.4	6,970.4	30.3	139.4	-90.98	-7,165.9	627.5	6,592.8	6,429.6	163.14	40.412	
7,972.4	6,982.6	6,970.1	6,970.1	31.0	139.4	-90.97	-7,165.9	627.5	6,523.2	6,359.1	164.11	39.748	
8,000.0	6,982.4	6,969.9	6,969.9	31.3	139.4	-90.97	-7,165.9	627.5	6,496.7	6,332.2	164.49	39.497	
8,070.8	6,982.1	6,969.6	6,969.6	32.1	139.4	-90.96	-7,165.9	627.5	6,428.7	6,263.2	165.50	38.845	
8,100.0	6,982.0	6,969.5	6,969.5	32.4	139.4	-90.95	-7,165.9	627.5	6,400.7	6,234.8	165.91	38.579	
8,169.3	6,981.6	6,969.1	6,969.1	33.2	139.4	-90.94	-7,165.9	627.5	6,334.3	6,167.3	166.95	37.941	
8,200.0	6,981.5	6,969.0	6,969.0	33.6	139.4	-90.94	-7,165.9	627.5	6,304.8	6,137.4	167.41	37.661	
8,267.7	6,981.1	6,968.6	6,968.6	34.5	139.4	-90.93	-7,165.9	627.5	6,240.0	6,071.5	168.46	37.042	
8,300.0	6,981.0	6,968.5	6,968.5	34.9	139.4	-90.92	-7,165.9	627.5	6,209.1	6,040.1	168.96	36.749	
8,366.1	6,980.7	6,968.2	6,968.2	35.8	139.4	-90.91	-7,165.9	627.5	6,145.9	5,975.8	170.02	36.148	
8,400.0	6,980.5	6,968.0	6,968.0	36.3	139.4	-90.91	-7,165.9	627.5	6,113.5	5,942.9	170.56	35.843	
8,464.5	6,980.2	6,967.7	6,967.7	37.2	139.4	-90.90	-7,165.9	627.5	6,051.9	5,880.2	171.62	35.263	
8,500.0	6,980.0	6,967.5	6,967.5	37.7	139.4	-90.89	-7,165.9	627.5	6,018.0	5,845.8	172.20	34.947	
8,563.0	6,979.7	6,967.2	6,967.2	38.6	139.4	-90.88	-7,165.9	627.5	5,958.0	5,784.7	173.26	34.387	
8,600.0	6,979.5	6,967.0	6,967.0	39.1	139.4	-90.88	-7,165.9	627.5	5,922.7	5,748.8	173.88	34.061	
8,661.4	6,979.2	6,966.7	6,966.7	40.1	139.4	-90.87	-7,165.9	627.5	5,864.3	5,689.3	174.93	33.523	
8,700.0	6,979.0	6,966.5	6,966.5	40.7	139.4	-90.86	-7,165.9	627.5	5,827.6	5,652.0	175.59	33.188	
8,759.8	6,978.7	6,966.2	6,966.2	41.6	139.4	-90.85	-7,165.9	627.5	5,770.7	5,594.1	176.63	32.671	
8,800.0	6,978.5	6,966.0	6,966.0	42.2	139.4	-90.85	-7,165.9	627.5	5,732.6	5,555.3	177.33	32.327	
8,858.2	6,978.2	6,965.7	6,965.7	43.1	139.4	-90.84	-7,165.9	627.5	5,677.3	5,499.0	178.35	31.832	
8,900.0	6,978.0	6,965.5	6,965.5	43.8	139.3	-90.83	-7,165.9	627.5	5,637.8	5,458.7	179.09	31.480	
8,956.7	6,977.8	6,965.3	6,965.3	44.7	139.3	-90.82	-7,165.9	627.5	5,584.1	5,404.0	180.10	31.006	
9,000.0	6,977.5	6,965.0	6,965.0	45.4	139.3	-90.81	-7,165.9	627.5	5,543.2	5,362.3	180.87	30.648	
9,055.1	6,977.3	6,964.8	6,964.8	46.3	139.3	-90.81	-7,165.9	627.5	5,491.1	5,309.2	181.86	30.194	
9,100.0	6,977.1	6,964.6	6,964.6	47.1	139.3	-90.80	-7,165.9	627.5	5,448.7	5,266.1	182.66	29.829	
9,153.5	6,976.8	6,964.3	6,964.3	48.0	139.3	-90.79	-7,165.9	627.5	5,398.3	5,214.6	183.63	29.397	
9,200.0	6,976.6	6,964.1	6,964.1	48.8	139.3	-90.78	-7,165.9	627.5	5,354.5	5,170.0	184.48	29.025	
9,251.9	6,976.3	6,963.8	6,963.8	49.7	139.3	-90.78	-7,165.9	627.5	5,305.6	5,120.2	185.43	28.613	
9,300.0	6,976.1	6,963.6	6,963.6	50.5	139.3	-90.77	-7,165.9	627.5	5,260.5	5,074.2	186.30	28.236	
9,350.4	6,975.8	6,963.3	6,963.3	51.3	139.3	-90.76	-7,165.9	627.5	5,213.2	5,026.0	187.23	27.844	
9,400.0	6,975.6	6,963.1	6,963.1	52.2	139.3	-90.75	-7,165.9	627.5	5,166.7	4,978.5	188.14	27.462	
9,448.8	6,975.3	6,962.8	6,962.8	53.1	139.3	-90.75	-7,165.9	627.5	5,121.0	4,931.9	189.04	27.089	
9,500.0	6,975.1	6,962.6	6,962.6	54.0	139.3	-90.74	-7,165.9	627.5	5,073.1	4,883.1	189.99	26.702	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,547.2	6,974.9	6,962.4	6,962.4	54.8	139.3	-90.73	-7,165.9	627.5	5,029.0	4,838.1	190.87	26.348	
9,600.0	6,974.6	6,962.1	6,962.1	55.7	139.3	-90.72	-7,165.9	627.5	4,979.8	4,787.9	191.85	25.957	
9,645.6	6,974.4	6,961.9	6,961.9	56.5	139.3	-90.72	-7,165.9	627.5	4,937.3	4,744.6	192.70	25.621	
9,700.0	6,974.1	6,961.6	6,961.6	57.5	139.3	-90.71	-7,165.9	627.5	4,886.8	4,693.0	193.72	25.226	
9,744.1	6,973.9	6,961.4	6,961.4	58.3	139.3	-90.70	-7,165.9	627.5	4,845.8	4,651.3	194.54	24.909	
9,800.0	6,973.6	6,961.1	6,961.1	59.3	139.3	-90.69	-7,165.9	627.5	4,794.0	4,598.4	195.59	24.510	
9,842.5	6,973.4	6,960.9	6,960.9	60.0	139.3	-90.69	-7,165.9	627.5	4,754.7	4,558.3	196.39	24.210	
9,900.0	6,973.1	6,960.6	6,960.6	61.1	139.2	-90.68	-7,165.9	627.5	4,701.5	4,504.0	197.47	23.808	
9,940.9	6,972.9	6,960.4	6,960.4	61.8	139.2	-90.67	-7,165.9	627.5	4,663.8	4,465.5	198.25	23.525	
10,000.0	6,972.6	6,960.1	6,960.1	62.9	139.2	-90.66	-7,165.9	627.5	4,609.4	4,410.0	199.36	23.120	
10,039.3	6,972.4	6,959.9	6,959.9	63.6	139.2	-90.66	-7,165.9	627.5	4,573.2	4,373.1	200.11	22.854	
10,100.0	6,972.1	6,959.6	6,959.6	64.7	139.2	-90.65	-7,165.9	627.5	4,517.5	4,316.3	201.26	22.447	
10,137.8	6,972.0	6,959.5	6,959.5	65.4	139.2	-90.64	-7,165.9	627.5	4,483.0	4,281.0	201.97	22.196	
10,200.0	6,971.6	6,959.1	6,959.1	66.6	139.2	-90.63	-7,165.9	627.5	4,426.1	4,222.9	203.16	21.786	
10,236.2	6,971.5	6,959.0	6,959.0	67.2	139.2	-90.62	-7,165.9	627.5	4,393.1	4,189.2	203.85	21.551	
10,300.0	6,971.2	6,958.7	6,958.7	68.4	139.2	-90.61	-7,165.9	627.5	4,335.0	4,129.9	205.06	21.140	
10,334.6	6,971.0	6,958.5	6,958.5	69.0	139.2	-90.61	-7,165.9	627.5	4,303.5	4,097.8	205.72	20.919	
10,400.0	6,970.7	6,958.2	6,958.2	70.2	139.2	-90.60	-7,165.9	627.5	4,244.3	4,037.3	206.97	20.507	
10,433.0	6,970.5	6,958.0	6,958.0	70.9	139.2	-90.59	-7,165.9	627.5	4,214.4	4,006.8	207.60	20.300	
10,500.0	6,970.2	6,957.7	6,957.7	72.1	139.2	-90.58	-7,165.9	627.5	4,154.0	3,945.2	208.88	19.887	
10,531.5	6,970.0	6,957.5	6,957.5	72.7	139.2	-90.58	-7,165.9	627.5	4,125.7	3,916.2	209.49	19.694	
10,600.0	6,969.7	6,957.2	6,957.2	74.0	139.2	-90.57	-7,165.9	627.5	4,064.2	3,853.4	210.80	19.280	
10,629.9	6,969.5	6,957.0	6,957.0	74.5	139.2	-90.56	-7,165.9	627.5	4,037.5	3,826.1	211.37	19.101	
10,700.0	6,969.2	6,956.7	6,956.7	75.8	139.2	-90.55	-7,165.9	627.5	3,974.9	3,762.2	212.72	18.686	
10,728.3	6,969.0	6,956.5	6,956.5	76.4	139.2	-90.55	-7,165.9	627.5	3,949.7	3,736.5	213.27	18.520	
10,800.0	6,968.7	6,956.2	6,956.2	77.7	139.2	-90.54	-7,165.9	627.5	3,886.1	3,671.5	214.64	18.105	
10,826.7	6,968.6	6,956.1	6,956.1	78.2	139.2	-90.53	-7,165.9	627.5	3,862.5	3,647.3	215.16	17.952	
10,900.0	6,968.2	6,955.7	6,955.7	79.6	139.1	-90.52	-7,165.9	627.5	3,797.9	3,581.3	216.57	17.537	
10,925.2	6,968.1	6,955.6	6,955.6	80.1	139.1	-90.52	-7,165.9	627.5	3,775.8	3,558.7	217.06	17.395	
11,000.0	6,967.7	6,955.2	6,955.2	81.5	139.1	-90.51	-7,165.9	627.5	3,710.3	3,491.8	218.50	16.981	
11,023.6	6,967.6	6,955.1	6,955.1	81.9	139.1	-90.50	-7,165.9	627.5	3,689.7	3,470.7	218.96	16.851	
11,100.0	6,967.2	6,954.7	6,954.7	83.4	139.1	-90.49	-7,165.9	627.5	3,623.2	3,402.8	220.43	16.437	
11,122.0	6,967.1	6,954.6	6,954.6	83.8	139.1	-90.49	-7,165.9	627.5	3,604.2	3,383.3	220.86	16.319	
11,200.0	6,966.7	6,954.2	6,954.2	85.3	139.1	-90.48	-7,165.9	627.5	3,536.9	3,314.6	222.37	15.906	
11,220.4	6,966.6	6,954.1	6,954.1	85.7	139.1	-90.47	-7,165.9	627.5	3,519.4	3,296.6	222.76	15.799	
11,300.0	6,966.2	6,953.7	6,953.7	87.2	139.1	-90.46	-7,165.9	627.5	3,451.4	3,227.1	224.30	15.387	
11,318.9	6,966.1	6,953.6	6,953.6	87.5	139.1	-90.46	-7,165.9	627.5	3,435.3	3,210.6	224.67	15.291	
11,400.0	6,965.7	6,953.2	6,953.2	89.1	139.1	-90.44	-7,165.9	627.5	3,366.6	3,140.3	226.24	14.881	
11,417.3	6,965.6	6,953.1	6,953.1	89.4	139.1	-90.44	-7,165.9	627.5	3,352.0	3,125.4	226.57	14.794	
11,500.0	6,965.2	6,952.7	6,952.7	91.0	139.1	-90.43	-7,165.9	627.5	3,282.7	3,054.5	228.18	14.386	
11,515.7	6,965.2	6,952.7	6,952.7	91.3	139.1	-90.43	-7,165.9	627.5	3,269.5	3,041.1	228.48	14.310	
11,600.0	6,964.7	6,952.2	6,952.2	92.9	139.1	-90.41	-7,165.9	627.5	3,199.7	2,969.5	230.12	13.904	
11,614.1	6,964.7	6,952.2	6,952.2	93.2	139.1	-90.41	-7,165.9	627.5	3,188.0	2,957.6	230.40	13.837	
11,700.0	6,964.3	6,951.8	6,951.8	94.8	139.1	-90.40	-7,165.9	627.5	3,117.7	2,885.6	232.06	13.434	
11,712.6	6,964.2	6,951.7	6,951.7	95.1	139.1	-90.40	-7,165.9	627.5	3,107.4	2,875.1	232.31	13.376	
11,800.0	6,963.8	6,951.3	6,951.3	96.7	139.1	-90.38	-7,165.9	627.5	3,036.7	2,802.7	234.01	12.977	
11,811.0	6,963.7	6,951.2	6,951.2	97.0	139.1	-90.38	-7,165.9	627.5	3,027.9	2,793.7	234.22	12.927	
11,900.0	6,963.3	6,950.8	6,950.8	98.7	139.1	-90.37	-7,165.9	627.5	2,957.0	2,721.0	235.96	12.532	
11,909.4	6,963.2	6,950.7	6,950.7	98.9	139.0	-90.37	-7,165.9	627.5	2,949.5	2,713.4	236.14	12.491	
12,000.0	6,962.8	6,950.3	6,950.3	100.6	139.0	-90.35	-7,165.9	627.5	2,878.5	2,640.6	237.90	12.099	
12,007.8	6,962.7	6,950.2	6,950.2	100.7	139.0	-90.35	-7,165.9	627.5	2,872.4	2,634.3	238.06	12.066	
12,100.0	6,962.3	6,949.8	6,949.8	102.5	139.0	-90.34	-7,165.9	627.5	2,801.4	2,561.5	239.85	11.680	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> NE SW SEC. 7 T4N R64W 6th P.M. - EXIST VERT FARR #18-14 - Wellbore #1 - Design #1												<b>Offset Site Error:</b>	0.0 usft
Survey Program: 0-INC												<b>Offset Well Error:</b>	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,106.3	6,962.2	6,949.7	6,949.7	102.6	139.0	-90.33	-7,165.9	627.5	2,796.6	2,556.6	239.98	11.654	
12,200.0	6,961.8	6,949.3	6,949.3	104.5	139.0	-90.32	-7,165.9	627.5	2,725.7	2,483.9	241.80	11.273	
12,204.7	6,961.8	6,949.3	6,949.3	104.5	139.0	-90.32	-7,165.9	627.5	2,722.2	2,480.3	241.89	11.254	
12,300.0	6,961.3	6,948.8	6,948.8	106.4	139.0	-90.30	-7,165.9	627.5	2,651.7	2,408.0	243.75	10.879	
12,303.1	6,961.3	6,948.8	6,948.8	106.4	139.0	-90.30	-7,165.9	627.5	2,649.4	2,405.6	243.82	10.867	
12,400.0	6,960.8	6,948.3	6,948.3	108.3	139.0	-90.29	-7,165.9	627.5	2,579.4	2,333.7	245.71	10.498	
12,401.5	6,960.8	6,948.3	6,948.3	108.3	139.0	-90.29	-7,165.9	627.5	2,578.3	2,332.6	245.74	10.492	
12,500.0	6,960.3	6,947.8	6,947.8	110.3	139.0	-90.27	-7,165.9	627.5	2,509.1	2,261.4	247.66	10.131	
12,598.4	6,959.8	6,947.3	6,947.3	112.2	139.0	-90.26	-7,165.9	627.5	2,441.9	2,192.3	249.58	9.784	
12,600.0	6,959.8	6,947.3	6,947.3	112.2	139.0	-90.26	-7,165.9	627.5	2,440.8	2,191.2	249.62	9.778	
12,696.8	6,959.3	6,946.8	6,946.8	114.1	139.0	-90.24	-7,165.9	627.5	2,376.8	2,125.3	251.51	9.450	
12,700.0	6,959.3	6,946.8	6,946.8	114.1	139.0	-90.24	-7,165.9	627.5	2,374.8	2,123.2	251.57	9.440	
12,795.2	6,958.8	6,946.3	6,946.3	116.0	139.0	-90.23	-7,165.9	627.5	2,314.1	2,060.7	253.43	9.131	
12,800.0	6,958.8	6,946.3	6,946.3	116.1	139.0	-90.23	-7,165.9	627.5	2,311.2	2,057.6	253.53	9.116	
12,893.7	6,958.3	6,945.8	6,945.8	117.9	139.0	-90.21	-7,165.9	627.5	2,254.0	1,998.6	255.36	8.827	
12,900.0	6,958.3	6,945.8	6,945.8	118.0	139.0	-90.21	-7,165.9	627.5	2,250.2	1,994.7	255.48	8.808	
12,992.1	6,957.9	6,945.4	6,945.4	119.8	138.9	-90.20	-7,165.9	627.5	2,196.6	1,939.3	257.29	8.538	
13,000.0	6,957.8	6,945.3	6,945.3	120.0	138.9	-90.19	-7,165.9	627.5	2,192.1	1,934.7	257.44	8.515	
13,090.5	6,957.4	6,944.9	6,944.9	121.7	138.9	-90.18	-7,165.9	627.5	2,142.2	1,883.0	259.22	8.264	
13,100.0	6,957.3	6,944.8	6,944.8	121.9	138.9	-90.18	-7,165.9	627.5	2,137.1	1,877.7	259.40	8.239	
13,188.9	6,956.9	6,944.4	6,944.4	123.6	138.9	-90.17	-7,165.9	627.5	2,091.0	1,829.9	261.14	8.007	
13,200.0	6,956.8	6,944.3	6,944.3	123.9	138.9	-90.16	-7,165.9	627.5	2,085.5	1,824.1	261.36	7.979	
13,287.4	6,956.4	6,943.9	6,943.9	125.6	138.9	-90.15	-7,165.9	627.5	2,043.3	1,780.3	263.07	7.767	
13,300.0	6,956.3	6,943.8	6,943.8	125.8	138.9	-90.15	-7,165.9	627.5	2,037.5	1,774.1	263.32	7.738	
13,385.8	6,955.9	6,943.4	6,943.4	127.5	138.9	-90.13	-7,165.9	627.5	1,999.3	1,734.3	265.00	7.545	
13,400.0	6,955.8	6,943.3	6,943.3	127.8	138.9	-90.13	-7,165.9	627.5	1,993.3	1,728.0	265.28	7.514	
13,484.2	6,955.4	6,942.9	6,942.9	129.4	138.9	-90.12	-7,165.9	627.5	1,959.3	1,692.4	266.93	7.340	
13,500.0	6,955.3	6,942.8	6,942.8	129.7	138.9	-90.12	-7,165.9	627.5	1,953.3	1,686.0	267.24	7.309	
13,582.6	6,954.9	6,942.4	6,942.4	131.3	138.9	-90.10	-7,165.9	627.5	1,923.5	1,654.6	268.86	7.154	
13,600.0	6,954.8	6,942.3	6,942.3	131.7	138.9	-90.10	-7,165.9	627.5	1,917.6	1,648.4	269.20	7.123	
13,681.1	6,954.4	6,941.9	6,941.9	133.2	138.9	-90.09	-7,165.9	627.5	1,892.1	1,621.3	270.80	6.987	
13,700.0	6,954.3	6,941.8	6,941.8	133.6	138.9	-90.09	-7,165.9	627.5	1,886.6	1,615.4	271.17	6.957	
13,779.5	6,953.9	6,941.4	6,941.4	135.2	138.9	-90.07	-7,165.9	627.5	1,865.4	1,592.6	272.73	6.840	
13,800.0	6,953.8	6,941.3	6,941.3	135.6	138.9	-90.07	-7,165.9	627.5	1,860.4	1,587.3	273.13	6.811	
13,877.9	6,953.5	6,941.0	6,941.0	137.1	138.9	-90.06	-7,165.9	627.5	1,843.5	1,568.9	274.66	6.712	
13,900.0	6,953.3	6,940.8	6,940.8	137.5	138.9	-90.05	-7,165.9	627.5	1,839.3	1,564.2	275.09	6.686	
13,976.3	6,953.0	6,940.5	6,940.5	139.0	138.8	-90.04	-7,165.9	627.5	1,826.7	1,550.1	276.59	6.604	
14,000.0	6,952.8	6,940.3	6,940.3	139.5	138.8	-90.04	-7,165.9	627.5	1,823.5	1,546.4	277.06	6.582	
14,074.8	6,952.5	6,940.0	6,940.0	140.9	138.8	-90.03	-7,165.9	627.5	1,815.1	1,536.6	278.53	6.517	
14,100.0	6,952.4	6,939.9	6,939.9	141.4	138.8	-90.02	-7,165.9	627.5	1,813.0	1,534.0	279.02	6.498	
14,170.4	6,952.0	6,939.5	6,939.5	142.8	138.8	-90.01	-7,165.9	627.5	1,808.9	1,528.6	280.34	6.453 CC, ES, SF	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	173.89	-5,573.9	596.8	5,605.8				
98.4	98.4	75.9	75.9	0.1	0.6	173.89	-5,573.9	596.8	5,605.7	5,605.0	0.73	7,655.322	
100.0	100.0	77.5	77.5	0.1	0.7	173.89	-5,573.9	596.8	5,605.7	5,605.0	0.75	7,501.852	
196.8	196.8	174.3	174.3	0.3	2.6	173.89	-5,573.9	596.8	5,605.7	5,602.8	2.92	1,919.139	
200.0	200.0	177.5	177.5	0.3	2.7	173.89	-5,573.9	596.8	5,605.7	5,602.7	3.00	1,866.762	
295.3	295.3	272.8	272.8	0.5	4.7	173.89	-5,573.9	596.8	5,605.7	5,600.5	5.27	1,064.296	
300.0	300.0	277.5	277.5	0.5	4.8	173.89	-5,573.9	596.8	5,605.7	5,600.4	5.38	1,042.718	
393.7	393.7	371.2	371.2	0.8	6.8	173.89	-5,573.9	596.8	5,605.7	5,598.2	7.51	746.497	
400.0	400.0	377.5	377.5	0.8	6.9	173.89	-5,573.9	596.8	5,605.7	5,598.1	7.65	732.563	
492.1	492.1	469.6	469.6	1.0	8.8	173.89	-5,573.9	596.8	5,605.7	5,596.0	9.73	576.044	
500.0	500.0	477.5	477.5	1.0	8.9	173.89	-5,573.9	596.8	5,605.7	5,595.8	9.91	565.727	
590.5	590.5	568.0	568.0	1.2	10.7	173.89	-5,573.9	596.8	5,605.7	5,593.8	11.95	469.286	
600.0	600.0	577.5	577.5	1.2	10.9	173.89	-5,573.9	596.8	5,605.7	5,593.6	12.16	461.089	
689.0	689.0	666.5	666.5	1.4	12.7	173.89	-5,573.9	596.8	5,605.7	5,591.6	14.15	396.031	
700.0	700.0	677.5	677.5	1.4	13.0	173.89	-5,573.9	596.8	5,605.7	5,591.3	14.40	389.229	
787.4	787.4	764.9	764.9	1.6	14.7	173.89	-5,573.9	596.8	5,605.7	5,589.4	16.36	342.610	
800.0	800.0	777.5	777.5	1.7	15.0	173.89	-5,573.9	596.8	5,605.7	5,589.1	16.64	336.796	
885.8	885.8	863.3	863.3	1.9	16.7	173.89	-5,573.9	596.8	5,605.7	5,587.2	18.57	301.913	
900.0	900.0	877.5	877.5	1.9	17.0	173.89	-5,573.9	596.8	5,605.7	5,586.9	18.88	296.837	
984.2	984.2	961.7	961.7	2.1	18.7	173.89	-5,573.9	596.8	5,605.7	5,585.0	20.77	269.873	
1,000.0	1,000.0	977.5	977.5	2.1	19.0	173.89	-5,573.9	596.8	5,605.7	5,584.6	21.12	265.367	
1,082.7	1,082.7	1,060.2	1,060.2	2.3	20.7	-108.79	-5,573.9	596.8	5,606.1	5,583.2	22.97	244.103	
1,100.0	1,100.0	1,077.5	1,077.5	2.3	21.0	-108.79	-5,573.9	596.8	5,606.3	5,582.9	23.35	240.080	
1,181.1	1,181.0	1,158.5	1,158.5	2.5	22.6	-108.81	-5,573.9	596.8	5,607.6	5,582.4	25.15	222.961	
1,200.0	1,199.8	1,177.3	1,177.3	2.5	23.0	-108.81	-5,573.9	596.8	5,608.0	5,582.4	25.57	219.329	
1,279.5	1,279.1	1,256.6	1,256.6	2.7	24.6	-108.83	-5,573.9	596.8	5,610.1	5,582.8	27.34	205.232	
1,300.0	1,299.5	1,277.0	1,277.0	2.8	25.0	-108.84	-5,573.9	596.8	5,610.8	5,583.0	27.79	201.906	
1,377.9	1,376.9	1,354.4	1,354.4	3.0	26.6	-108.87	-5,573.9	596.8	5,613.8	5,584.3	29.53	190.126	
1,400.0	1,398.7	1,376.2	1,376.2	3.0	27.0	-108.88	-5,573.9	596.8	5,614.8	5,584.8	30.02	187.055	
1,476.4	1,474.2	1,451.7	1,451.7	3.2	28.6	-108.92	-5,573.9	596.8	5,618.6	5,586.9	31.73	177.080	
1,500.0	1,497.5	1,475.0	1,475.0	3.3	29.0	-108.93	-5,573.9	596.8	5,619.9	5,587.6	32.26	174.225	
1,574.8	1,571.0	1,548.5	1,548.5	3.5	30.5	-108.98	-5,573.9	596.8	5,624.5	5,590.6	33.95	165.680	
1,600.0	1,595.6	1,573.1	1,573.1	3.6	31.0	-109.00	-5,573.9	596.8	5,626.2	5,591.7	34.52	163.007	
1,673.2	1,667.0	1,644.5	1,644.5	3.9	32.4	-109.05	-5,573.9	596.8	5,631.6	5,595.4	36.19	155.616	
1,700.0	1,693.1	1,670.6	1,670.6	4.0	33.0	-109.07	-5,573.9	596.8	5,633.7	5,596.9	36.80	153.100	
1,735.7	1,727.6	1,705.1	1,705.1	4.1	33.7	-109.09	-5,573.9	596.8	5,636.7	5,599.1	37.62	149.836	
1,771.6	1,762.4	1,739.9	1,739.9	4.3	34.4	-109.18	-5,573.9	596.8	5,639.8	5,601.3	38.46	146.629	
1,800.0	1,789.8	1,767.3	1,767.3	4.4	34.9	-109.24	-5,573.9	596.8	5,642.2	5,603.1	39.13	144.200	
1,870.1	1,857.6	1,835.1	1,835.1	4.7	36.3	-109.41	-5,573.9	596.8	5,648.3	5,607.5	40.78	138.491	
1,900.0	1,886.6	1,864.1	1,864.1	4.8	36.8	-109.48	-5,573.9	596.8	5,650.9	5,609.4	41.49	136.193	
1,968.5	1,952.8	1,930.3	1,930.3	5.2	38.2	-109.64	-5,573.9	596.8	5,656.9	5,613.8	43.12	131.181	
2,000.0	1,983.3	1,960.8	1,960.8	5.3	38.8	-109.72	-5,573.9	596.8	5,659.7	5,615.8	43.87	129.001	
2,066.9	2,048.0	2,025.5	2,025.5	5.6	40.1	-109.87	-5,573.9	596.8	5,665.6	5,620.1	45.48	124.587	
2,100.0	2,080.0	2,057.5	2,057.5	5.8	40.7	-109.95	-5,573.9	596.8	5,668.5	5,622.3	46.27	122.519	
2,165.3	2,143.2	2,120.7	2,120.7	6.1	42.0	-110.10	-5,573.9	596.8	5,674.4	5,626.6	47.84	118.619	
2,200.0	2,176.7	2,154.2	2,154.2	6.3	42.7	-110.18	-5,573.9	596.8	5,677.5	5,628.8	48.67	116.654	
2,263.8	2,238.4	2,215.9	2,215.9	6.6	43.9	-110.33	-5,573.9	596.8	5,683.3	5,633.1	50.21	113.198	
2,300.0	2,273.4	2,250.9	2,250.9	6.8	44.6	-110.42	-5,573.9	596.8	5,686.6	5,635.5	51.08	111.328	
2,362.2	2,333.6	2,311.1	2,311.1	7.1	45.8	-110.56	-5,573.9	596.8	5,692.3	5,639.7	52.58	108.255	
2,400.0	2,370.2	2,347.7	2,347.7	7.3	46.6	-110.65	-5,573.9	596.8	5,695.8	5,642.3	53.50	106.472	
2,460.6	2,428.8	2,406.3	2,406.3	7.6	47.8	-110.79	-5,573.9	596.8	5,701.4	5,646.4	54.96	103.733	
2,500.0	2,466.9	2,444.4	2,444.4	7.8	48.5	-110.88	-5,573.9	596.8	5,705.0	5,649.1	55.91	102.031	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,559.0	2,524.0	2,501.5	2,501.5	8.1	49.7	-111.02	-5,573.9	596.8	5,710.5	5,653.2	57.35	99.582	
2,600.0	2,563.6	2,541.1	2,541.1	8.3	50.5	-111.11	-5,573.9	596.8	5,714.4	5,656.1	58.34	97.955	
2,657.5	2,619.2	2,596.7	2,596.7	8.6	51.6	-111.25	-5,573.9	596.8	5,719.8	5,660.1	59.73	95.760	
2,700.0	2,660.3	2,637.8	2,637.8	8.8	52.4	-111.34	-5,573.9	596.8	5,723.9	5,663.1	60.76	94.202	
2,755.9	2,714.4	2,691.9	2,691.9	9.1	53.5	-111.47	-5,573.9	596.8	5,729.2	5,667.1	62.12	92.231	
2,800.0	2,757.0	2,734.5	2,734.5	9.4	54.4	-111.57	-5,573.9	596.8	5,733.4	5,670.2	63.19	90.736	
2,854.3	2,809.6	2,787.1	2,787.1	9.6	55.4	-111.70	-5,573.9	596.8	5,738.7	5,674.2	64.51	88.962	
2,900.0	2,853.8	2,831.3	2,831.3	9.9	56.3	-111.80	-5,573.9	596.8	5,743.1	5,677.5	65.62	87.527	
2,952.7	2,904.8	2,882.3	2,882.3	10.2	57.3	-111.92	-5,573.9	596.8	5,748.2	5,681.3	66.90	85.928	
3,000.0	2,950.5	2,928.0	2,928.0	10.4	58.2	-112.03	-5,573.9	596.8	5,752.8	5,684.8	68.04	84.547	
3,051.2	3,000.0	2,977.5	2,977.5	10.7	59.2	-112.15	-5,573.9	596.8	5,757.9	5,688.6	69.29	83.103	
3,100.0	3,047.2	3,024.7	3,024.7	10.9	60.2	-112.26	-5,573.9	596.8	5,762.7	5,692.2	70.47	81.774	
3,149.6	3,095.2	3,072.7	3,072.7	11.2	61.2	-112.37	-5,573.9	596.8	5,767.6	5,695.9	71.68	80.468	
3,200.0	3,143.9	3,121.4	3,121.4	11.5	62.1	-112.48	-5,573.9	596.8	5,772.6	5,699.7	72.90	79.186	
3,248.0	3,190.4	3,167.9	3,167.9	11.7	63.1	-112.59	-5,573.9	596.8	5,777.4	5,703.4	74.07	78.004	
3,300.0	3,240.6	3,218.1	3,218.1	12.0	64.1	-112.71	-5,573.9	596.8	5,782.7	5,707.3	75.33	76.767	
3,346.4	3,285.6	3,263.1	3,263.1	12.3	65.0	-112.82	-5,573.9	596.8	5,787.4	5,710.9	76.46	75.696	
3,400.0	3,337.4	3,314.9	3,314.9	12.5	66.0	-112.94	-5,573.9	596.8	5,792.8	5,715.1	77.76	74.500	
3,444.9	3,380.8	3,358.3	3,358.3	12.8	66.9	-113.04	-5,573.9	596.8	5,797.4	5,718.5	78.85	73.529	
3,500.0	3,434.1	3,411.6	3,411.6	13.1	68.0	-113.16	-5,573.9	596.8	5,803.0	5,722.9	80.18	72.372	
3,543.3	3,476.0	3,453.5	3,453.5	13.3	68.8	-113.26	-5,573.9	596.8	5,807.5	5,726.3	81.23	71.491	
3,600.0	3,530.8	3,508.3	3,508.3	13.6	69.9	-113.38	-5,573.9	596.8	5,813.4	5,730.7	82.61	70.371	
3,641.7	3,571.2	3,548.7	3,548.7	13.8	70.7	-113.48	-5,573.9	596.8	5,817.7	5,734.1	83.62	69.571	
3,700.0	3,627.5	3,605.0	3,605.0	14.2	71.9	-113.61	-5,573.9	596.8	5,823.8	5,738.7	85.04	68.486	
3,740.1	3,666.4	3,643.9	3,643.9	14.4	72.6	-113.70	-5,573.9	596.8	5,828.0	5,742.0	86.01	67.759	
3,800.0	3,724.2	3,701.7	3,701.7	14.7	73.8	-113.83	-5,573.9	596.8	5,834.3	5,746.8	87.46	66.707	
3,838.6	3,761.6	3,739.1	3,739.1	14.9	74.6	-113.92	-5,573.9	596.8	5,838.3	5,750.0	88.40	66.047	
3,900.0	3,821.0	3,798.5	3,798.5	15.2	75.8	-114.05	-5,573.9	596.8	5,844.9	5,755.0	89.89	65.026	
3,937.0	3,856.8	3,834.3	3,834.3	15.4	76.5	-114.13	-5,573.9	596.8	5,848.8	5,758.0	90.78	64.427	
4,000.0	3,917.7	3,895.2	3,895.2	15.8	77.7	-114.27	-5,573.9	596.8	5,855.6	5,763.2	92.31	63.435	
4,035.4	3,951.9	3,929.4	3,929.4	16.0	78.4	-114.35	-5,573.9	596.8	5,859.4	5,766.2	93.17	62.891	
4,100.0	4,014.4	3,991.9	3,991.9	16.3	79.6	-114.49	-5,573.9	596.8	5,866.3	5,771.6	94.73	61.927	
4,133.8	4,047.1	4,024.6	4,024.6	16.5	80.3	-114.57	-5,573.9	596.8	5,870.0	5,774.5	95.55	61.434	
4,200.0	4,111.1	4,088.6	4,088.6	16.9	81.6	-114.71	-5,573.9	596.8	5,877.2	5,780.1	97.15	60.495	
4,232.3	4,142.3	4,119.8	4,119.8	17.0	82.2	-114.78	-5,573.9	596.8	5,880.7	5,782.8	97.93	60.049	
4,300.0	4,207.8	4,185.3	4,185.3	17.4	83.5	-114.93	-5,573.9	596.8	5,888.2	5,788.6	99.57	59.135	
4,330.7	4,237.5	4,215.0	4,215.0	17.6	84.1	-115.00	-5,573.9	596.8	5,891.5	5,791.2	100.31	58.731	
4,400.0	4,304.6	4,282.1	4,282.1	17.9	85.5	-115.15	-5,573.9	596.8	5,899.2	5,797.2	101.99	57.841	
4,429.1	4,332.7	4,310.2	4,310.2	18.1	86.0	-115.21	-5,573.9	596.8	5,902.4	5,799.7	102.69	57.476	
4,500.0	4,401.3	4,378.8	4,378.8	18.5	87.4	-115.36	-5,573.9	596.8	5,910.3	5,805.9	104.41	56.609	
4,527.5	4,427.9	4,405.4	4,405.4	18.6	88.0	-115.42	-5,573.9	596.8	5,913.4	5,808.4	105.07	56.279	
4,600.0	4,498.0	4,475.5	4,475.5	19.0	89.4	-115.58	-5,573.9	596.8	5,921.6	5,814.7	106.82	55.433	
4,626.0	4,523.1	4,500.6	4,500.6	19.2	89.9	-115.64	-5,573.9	596.8	5,924.5	5,817.0	107.45	55.137	
4,700.0	4,594.7	4,572.2	4,572.2	19.6	91.3	-115.80	-5,573.9	596.8	5,932.9	5,823.6	109.24	54.312	
4,724.4	4,618.3	4,595.8	4,595.8	19.7	91.8	-115.85	-5,573.9	596.8	5,935.6	5,825.8	109.83	54.046	
4,800.0	4,691.5	4,669.0	4,669.0	20.1	93.3	-116.01	-5,573.9	596.8	5,944.3	5,832.6	111.65	53.240	
4,822.8	4,713.5	4,691.0	4,691.0	20.2	93.7	-116.06	-5,573.9	596.8	5,946.9	5,834.7	112.20	53.002	
4,900.0	4,788.2	4,765.7	4,765.7	20.7	95.2	-116.22	-5,573.9	596.8	5,955.8	5,841.7	114.06	52.215	
4,921.2	4,808.7	4,786.2	4,786.2	20.8	95.6	-116.27	-5,573.9	596.8	5,958.2	5,843.6	114.57	52.003	
5,000.0	4,884.9	4,862.4	4,862.4	21.2	97.2	-116.44	-5,573.9	596.8	5,967.3	5,850.9	116.47	51.234	
5,019.7	4,903.9	4,881.4	4,881.4	21.3	97.5	-116.48	-5,573.9	596.8	5,969.6	5,852.7	116.95	51.046	
5,100.0	4,981.6	4,959.1	4,959.1	21.8	99.1	-116.65	-5,573.9	596.8	5,979.0	5,860.1	118.88	50.294	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,118.1	4,999.1	4,976.6	4,976.6	21.8	99.5	-116.69	-5,573.9	596.8	5,981.1	5,861.8	119.32	50.128	
5,200.0	5,078.3	5,055.8	5,055.8	22.3	101.0	-116.86	-5,573.9	596.8	5,990.7	5,869.4	121.29	49.392	
5,216.5	5,094.3	5,071.8	5,071.8	22.4	101.4	-116.90	-5,573.9	596.8	5,992.7	5,871.0	121.69	49.247	
5,300.0	5,175.1	5,152.6	5,152.6	22.8	103.0	-117.07	-5,573.9	596.8	6,002.5	5,878.8	123.69	48.527	
5,314.9	5,189.5	5,167.0	5,167.0	22.9	103.3	-117.10	-5,573.9	596.8	6,004.3	5,880.3	124.05	48.401	
5,400.0	5,271.8	5,249.3	5,249.3	23.4	104.9	-117.28	-5,573.9	596.8	6,014.5	5,888.4	126.10	47.696	
5,413.4	5,284.7	5,262.2	5,262.2	23.5	105.2	-117.31	-5,573.9	596.8	6,016.1	5,889.6	126.42	47.588	
5,500.0	5,368.5	5,346.0	5,346.0	23.9	106.9	-117.49	-5,573.9	596.8	6,026.4	5,897.9	128.50	46.898	
5,511.8	5,379.9	5,357.4	5,357.4	24.0	107.1	-117.52	-5,573.9	596.8	6,027.9	5,899.1	128.79	46.806	
5,600.0	5,465.2	5,442.7	5,442.7	24.5	108.8	-117.70	-5,573.9	596.8	6,038.5	5,907.6	130.90	46.130	
5,610.2	5,475.1	5,452.6	5,452.6	24.5	109.0	-117.72	-5,573.9	596.8	6,039.8	5,908.6	131.15	46.053	
5,647.2	5,510.9	5,488.4	5,488.4	24.7	109.7	-117.80	-5,573.9	596.8	6,044.2	5,912.2	132.04	45.777	
5,700.0	5,562.1	5,539.6	5,539.6	25.0	110.8	-118.01	-5,573.9	596.8	6,050.5	5,917.1	133.36	45.371	
5,708.6	5,570.5	5,548.0	5,548.0	25.0	110.9	-118.05	-5,573.9	596.8	6,051.4	5,917.9	133.56	45.307	
5,800.0	5,659.6	5,637.1	5,637.1	25.3	112.7	-118.38	-5,573.9	596.8	6,061.0	5,925.2	135.77	44.642	
5,807.1	5,666.6	5,644.1	5,644.1	25.4	112.9	-118.40	-5,573.9	596.8	6,061.7	5,925.8	135.94	44.591	
5,900.0	5,757.9	5,735.4	5,735.4	25.7	114.7	-118.69	-5,573.9	596.8	6,070.0	5,931.8	138.15	43.938	
5,905.5	5,763.3	5,740.8	5,740.8	25.7	114.8	-118.70	-5,573.9	596.8	6,070.4	5,932.1	138.28	43.900	
6,000.0	5,856.7	5,834.2	5,834.2	26.0	116.7	-118.94	-5,573.9	596.8	6,077.3	5,936.8	140.49	43.259	
6,003.9	5,860.6	5,838.1	5,838.1	26.0	116.8	-118.95	-5,573.9	596.8	6,077.5	5,937.0	140.58	43.233	
6,100.0	5,956.1	5,933.6	5,933.6	26.2	118.7	-119.14	-5,573.9	596.8	6,082.9	5,940.2	142.77	42.605	
6,102.3	5,958.4	5,935.9	5,935.9	26.2	118.7	-119.14	-5,573.9	596.8	6,083.0	5,940.2	142.83	42.590	
6,200.0	6,055.7	6,033.2	6,033.2	26.4	120.7	-119.27	-5,573.9	596.8	6,086.9	5,941.9	145.01	41.976	
6,200.8	6,056.5	6,034.0	6,034.0	26.4	120.7	-119.27	-5,573.9	596.8	6,086.9	5,941.9	145.03	41.971	
6,299.2	6,154.8	6,132.3	6,132.3	26.5	122.7	-119.35	-5,573.9	596.8	6,089.2	5,942.0	147.17	41.376	
6,300.0	6,155.6	6,133.1	6,133.1	26.5	122.7	-119.35	-5,573.9	596.8	6,089.2	5,942.0	147.18	41.371	
6,382.9	6,238.5	6,216.0	6,216.0	26.6	124.4	163.31	-5,573.9	596.8	6,089.8	5,940.9	148.91	40.895	
6,397.6	6,253.2	6,230.7	6,230.7	26.6	124.7	163.31	-5,573.9	596.8	6,089.8	5,940.5	149.23	40.809	
6,400.0	6,255.6	6,233.1	6,233.1	26.6	124.7	163.31	-5,573.9	596.8	6,089.8	5,940.5	149.28	40.795	
6,412.9	6,268.5	6,246.0	6,246.0	26.6	125.0	163.31	-5,573.9	596.8	6,089.8	5,940.2	149.55	40.720	
6,450.0	6,305.6	6,283.1	6,283.1	26.7	125.7	-16.93	-5,573.9	596.8	6,088.8	5,938.7	150.13	40.556	
6,496.0	6,351.5	6,329.0	6,329.0	26.7	126.6	-17.03	-5,573.9	596.8	6,085.2	5,934.9	150.29	40.489	
6,500.0	6,355.4	6,332.9	6,332.9	26.7	126.7	-17.04	-5,573.9	596.8	6,084.7	5,934.4	150.28	40.489	
6,550.0	6,404.8	6,382.3	6,382.3	26.7	127.7	-17.24	-5,573.9	596.8	6,077.3	5,927.5	149.73	40.587	
6,594.5	6,448.1	6,425.6	6,425.6	26.8	128.6	-17.49	-5,573.9	596.8	6,067.9	5,919.2	148.67	40.815	
6,600.0	6,453.5	6,431.0	6,431.0	26.8	128.7	-17.53	-5,573.9	596.8	6,066.5	5,918.0	148.50	40.852	
6,650.0	6,501.3	6,478.8	6,478.8	26.8	129.7	-17.93	-5,573.9	596.8	6,052.6	5,906.0	146.58	41.291	
6,692.9	6,541.4	6,518.9	6,518.9	26.8	130.5	-18.36	-5,573.9	596.8	6,038.1	5,893.7	144.42	41.810	
6,700.0	6,548.0	6,525.5	6,525.5	26.8	130.6	-18.43	-5,573.9	596.8	6,035.5	5,891.4	144.01	41.909	
6,750.0	6,593.3	6,570.8	6,570.8	26.8	131.5	-19.07	-5,573.9	596.8	6,015.3	5,874.5	140.83	42.713	
6,791.3	6,629.6	6,607.1	6,607.1	26.8	132.2	-19.69	-5,573.9	596.8	5,996.4	5,858.6	137.78	43.523	
6,800.0	6,637.0	6,614.5	6,614.5	26.8	132.4	-19.84	-5,573.9	596.8	5,992.2	5,855.1	137.09	43.710	
6,850.0	6,679.0	6,656.5	6,656.5	26.8	133.2	-20.77	-5,573.9	596.8	5,966.2	5,833.3	132.88	44.898	
6,889.7	6,710.9	6,688.4	6,688.4	26.8	133.9	-21.65	-5,573.9	596.8	5,943.6	5,814.3	129.29	45.972	
6,900.0	6,718.9	6,696.4	6,696.4	26.8	134.0	-21.89	-5,573.9	596.8	5,937.5	5,809.1	128.33	46.267	
6,950.0	6,756.7	6,734.2	6,734.2	26.8	134.8	-23.24	-5,573.9	596.8	5,906.2	5,782.6	123.61	47.783	
6,988.2	6,783.9	6,761.4	6,761.4	26.8	135.3	-24.45	-5,573.9	596.8	5,880.7	5,760.7	120.03	48.993	
7,000.0	6,792.0	6,769.5	6,769.5	26.8	135.5	-24.87	-5,573.9	596.8	5,872.5	5,753.6	118.95	49.371	
7,050.0	6,824.8	6,802.3	6,802.3	26.8	136.2	-26.82	-5,573.9	596.8	5,836.6	5,721.9	114.68	50.894	
7,086.6	6,847.2	6,824.7	6,824.7	26.8	136.6	-28.51	-5,573.9	596.8	5,808.9	5,696.9	112.07	51.833	
7,100.0	6,854.9	6,832.4	6,832.4	26.8	136.8	-29.19	-5,573.9	596.8	5,798.5	5,687.3	111.24	52.124	
7,150.0	6,882.2	6,859.7	6,859.7	26.8	137.3	-32.08	-5,573.9	596.8	5,758.7	5,649.5	109.19	52.738	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,185.0	6,899.5	6,877.0	6,877.0	26.8	137.7	-34.49	-5,573.9	596.8	5,729.7	5,620.8	108.92	52.606	
7,200.0	6,906.5	6,884.0	6,884.0	26.9	137.8	-35.63	-5,573.9	596.8	5,717.1	5,607.9	109.17	52.369	
7,250.0	6,927.6	6,905.1	6,905.1	26.9	138.2	-40.02	-5,573.9	596.8	5,674.0	5,562.2	111.81	50.748	
7,283.4	6,940.0	6,917.5	6,917.5	27.0	138.5	-43.53	-5,573.9	596.8	5,644.5	5,529.2	115.29	48.959	
7,300.0	6,945.5	6,923.0	6,923.0	27.0	138.6	-45.46	-5,573.9	596.8	5,629.7	5,512.2	117.54	47.897	
7,350.0	6,960.2	6,937.7	6,937.7	27.1	138.9	-52.20	-5,573.9	596.8	5,584.4	5,458.1	126.29	44.218	
7,381.9	6,967.8	6,945.3	6,945.3	27.2	139.0	-57.27	-5,573.9	596.8	5,555.0	5,421.9	133.08	41.742	
7,400.0	6,971.5	6,949.0	6,949.0	27.2	139.1	-60.45	-5,573.9	596.8	5,538.2	5,401.0	137.15	40.379	
7,450.0	6,979.3	6,956.8	6,956.8	27.4	139.3	-70.23	-5,573.9	596.8	5,491.4	5,343.3	148.09	37.081	
7,480.3	6,982.4	6,959.9	6,959.9	27.5	139.3	-76.81	-5,573.9	596.8	5,462.9	5,309.4	153.55	35.577	
7,500.0	6,983.7	6,961.2	6,961.2	27.5	139.4	-81.26	-5,573.9	596.8	5,444.3	5,288.1	156.23	34.849	
7,541.4	6,984.7	6,962.2	6,962.2	27.7	139.4	-90.81	-5,573.9	596.8	5,405.2	5,246.2	159.01	33.993	
7,578.7	6,984.5	6,962.0	6,962.0	27.9	139.4	-90.80	-5,573.9	596.8	5,370.0	5,210.6	159.38	33.693	
7,600.0	6,984.4	6,961.9	6,961.9	28.0	139.4	-90.80	-5,573.9	596.8	5,349.9	5,190.3	159.59	33.523	
7,677.1	6,984.0	6,961.5	6,961.5	28.5	139.4	-90.79	-5,573.9	596.8	5,277.1	5,116.7	160.40	32.900	
7,700.0	6,983.9	6,961.4	6,961.4	28.6	139.4	-90.78	-5,573.9	596.8	5,255.6	5,095.0	160.64	32.717	
7,775.6	6,983.5	6,961.0	6,961.0	29.2	139.4	-90.77	-5,573.9	596.8	5,184.5	5,023.0	161.50	32.102	
7,800.0	6,983.4	6,960.9	6,960.9	29.4	139.4	-90.77	-5,573.9	596.8	5,161.6	4,999.8	161.78	31.905	
7,874.0	6,983.1	6,960.6	6,960.6	30.0	139.3	-90.76	-5,573.9	596.8	5,092.1	4,929.4	162.71	31.297	
7,900.0	6,982.9	6,960.4	6,960.4	30.3	139.3	-90.75	-5,573.9	596.8	5,067.8	4,904.7	163.03	31.085	
7,972.4	6,982.6	6,960.1	6,960.1	31.0	139.3	-90.74	-5,573.9	596.8	5,000.0	4,836.0	164.01	30.487	
8,000.0	6,982.4	6,959.9	6,959.9	31.3	139.3	-90.74	-5,573.9	596.8	4,974.2	4,809.8	164.38	30.261	
8,070.8	6,982.1	6,959.6	6,959.6	32.1	139.3	-90.72	-5,573.9	596.8	4,908.1	4,742.7	165.39	29.676	
8,100.0	6,982.0	6,959.5	6,959.5	32.4	139.3	-90.72	-5,573.9	596.8	4,880.9	4,715.1	165.80	29.438	
8,169.3	6,981.6	6,959.1	6,959.1	33.2	139.3	-90.71	-5,573.9	596.8	4,816.4	4,649.6	166.84	28.868	
8,200.0	6,981.5	6,959.0	6,959.0	33.6	139.3	-90.70	-5,573.9	596.8	4,787.8	4,620.5	167.30	28.618	
8,267.7	6,981.1	6,958.6	6,958.6	34.5	139.3	-90.69	-5,573.9	596.8	4,725.0	4,556.6	168.35	28.067	
8,300.0	6,981.0	6,958.5	6,958.5	34.9	139.3	-90.69	-5,573.9	596.8	4,695.1	4,526.2	168.85	27.806	
8,366.1	6,980.7	6,958.2	6,958.2	35.8	139.3	-90.68	-5,573.9	596.8	4,633.9	4,464.0	169.91	27.273	
8,400.0	6,980.5	6,958.0	6,958.0	36.3	139.3	-90.67	-5,573.9	596.8	4,602.6	4,432.2	170.45	27.002	
8,464.5	6,980.2	6,957.7	6,957.7	37.2	139.3	-90.66	-5,573.9	596.8	4,543.1	4,371.6	171.51	26.488	
8,500.0	6,980.0	6,957.5	6,957.5	37.7	139.3	-90.66	-5,573.9	596.8	4,510.5	4,338.4	172.10	26.209	
8,563.0	6,979.7	6,957.2	6,957.2	38.6	139.3	-90.65	-5,573.9	596.8	4,452.6	4,279.5	173.15	25.715	
8,600.0	6,979.5	6,957.0	6,957.0	39.1	139.3	-90.64	-5,573.9	596.8	4,418.7	4,244.9	173.77	25.428	
8,661.4	6,979.2	6,956.7	6,956.7	40.1	139.3	-90.63	-5,573.9	596.8	4,362.5	4,187.7	174.82	24.954	
8,700.0	6,979.0	6,956.5	6,956.5	40.7	139.3	-90.63	-5,573.9	596.8	4,327.2	4,151.8	175.48	24.659	
8,759.8	6,978.7	6,956.2	6,956.2	41.6	139.3	-90.62	-5,573.9	596.8	4,272.7	4,096.2	176.52	24.205	
8,800.0	6,978.5	6,956.0	6,956.0	42.2	139.3	-90.61	-5,573.9	596.8	4,236.2	4,059.0	177.22	23.904	
8,858.2	6,978.2	6,955.7	6,955.7	43.1	139.3	-90.60	-5,573.9	596.8	4,183.4	4,005.1	178.24	23.470	
8,900.0	6,978.0	6,955.5	6,955.5	43.8	139.2	-90.59	-5,573.9	596.8	4,145.6	3,966.6	178.98	23.162	
8,956.7	6,977.8	6,955.3	6,955.3	44.7	139.2	-90.59	-5,573.9	596.8	4,094.4	3,914.4	179.99	22.748	
9,000.0	6,977.5	6,955.0	6,955.0	45.4	139.2	-90.58	-5,573.9	596.8	4,055.4	3,874.6	180.76	22.435	
9,055.1	6,977.3	6,954.8	6,954.8	46.3	139.2	-90.57	-5,573.9	596.8	4,005.9	3,824.1	181.75	22.041	
9,100.0	6,977.1	6,954.6	6,954.6	47.1	139.2	-90.56	-5,573.9	596.8	3,965.7	3,783.1	182.56	21.723	
9,153.5	6,976.8	6,954.3	6,954.3	48.0	139.2	-90.55	-5,573.9	596.8	3,917.8	3,734.3	183.53	21.348	
9,200.0	6,976.6	6,954.1	6,954.1	48.8	139.2	-90.55	-5,573.9	596.8	3,876.4	3,692.1	184.37	21.026	
9,251.9	6,976.3	6,953.8	6,953.8	49.7	139.2	-90.54	-5,573.9	596.8	3,830.3	3,645.0	185.32	20.669	
9,300.0	6,976.1	6,953.6	6,953.6	50.5	139.2	-90.53	-5,573.9	596.8	3,787.8	3,601.6	186.19	20.343	
9,350.4	6,975.8	6,953.3	6,953.3	51.3	139.2	-90.52	-5,573.9	596.8	3,743.3	3,556.2	187.12	20.005	
9,400.0	6,975.6	6,953.1	6,953.1	52.2	139.2	-90.52	-5,573.9	596.8	3,699.7	3,511.6	188.03	19.676	
9,448.8	6,975.3	6,952.8	6,952.8	53.1	139.2	-90.51	-5,573.9	596.8	3,656.9	3,468.0	188.93	19.355	
9,500.0	6,975.1	6,952.6	6,952.6	54.0	139.2	-90.50	-5,573.9	596.8	3,612.2	3,422.3	189.88	19.023	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - EXIST VERT FARR #2 - Wellbore #1 - Design #1												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,547.2	6,974.9	6,952.4	6,952.4	54.8	139.2	-90.49	-5,573.9	596.8	3,571.1	3,380.3	190.76	18.720	
9,600.0	6,974.6	6,952.1	6,952.1	55.7	139.2	-90.48	-5,573.9	596.8	3,525.4	3,333.6	191.74	18.386	
9,645.6	6,974.4	6,951.9	6,951.9	56.5	139.2	-90.48	-5,573.9	596.8	3,486.0	3,293.4	192.59	18.100	
9,700.0	6,974.1	6,951.6	6,951.6	57.5	139.2	-90.47	-5,573.9	596.8	3,439.3	3,245.7	193.61	17.764	
9,744.1	6,973.9	6,951.4	6,951.4	58.3	139.2	-90.46	-5,573.9	596.8	3,401.6	3,207.1	194.43	17.495	
9,800.0	6,973.6	6,951.1	6,951.1	59.3	139.2	-90.45	-5,573.9	596.8	3,353.9	3,158.5	195.48	17.157	
9,842.5	6,973.4	6,950.9	6,950.9	60.0	139.2	-90.45	-5,573.9	596.8	3,317.9	3,121.6	196.28	16.904	
9,900.0	6,973.1	6,950.6	6,950.6	61.1	139.1	-90.44	-5,573.9	596.8	3,269.4	3,072.1	197.36	16.565	
9,940.9	6,972.9	6,950.4	6,950.4	61.8	139.1	-90.43	-5,573.9	596.8	3,235.1	3,037.0	198.14	16.328	
10,000.0	6,972.6	6,950.1	6,950.1	62.9	139.1	-90.42	-5,573.9	596.8	3,185.8	2,986.6	199.25	15.989	
10,039.3	6,972.4	6,949.9	6,949.9	63.6	139.1	-90.42	-5,573.9	596.8	3,153.2	2,953.2	200.00	15.766	
10,100.0	6,972.1	6,949.6	6,949.6	64.7	139.1	-90.41	-5,573.9	596.8	3,103.2	2,902.1	201.15	15.428	
10,137.8	6,972.0	6,949.5	6,949.5	65.4	139.1	-90.40	-5,573.9	596.8	3,072.3	2,870.4	201.87	15.219	
10,200.0	6,971.6	6,949.1	6,949.1	66.6	139.1	-90.39	-5,573.9	596.8	3,021.6	2,818.6	203.05	14.881	
10,236.2	6,971.5	6,949.0	6,949.0	67.2	139.1	-90.38	-5,573.9	596.8	2,992.4	2,788.6	203.74	14.687	
10,300.0	6,971.2	6,948.7	6,948.7	68.4	139.1	-90.37	-5,573.9	596.8	2,941.2	2,736.2	204.95	14.351	
10,334.6	6,971.0	6,948.5	6,948.5	69.0	139.1	-90.37	-5,573.9	596.8	2,913.6	2,708.0	205.61	14.170	
10,400.0	6,970.7	6,948.2	6,948.2	70.2	139.1	-90.36	-5,573.9	596.8	2,862.0	2,655.1	206.86	13.835	
10,433.0	6,970.5	6,948.0	6,948.0	70.9	139.1	-90.35	-5,573.9	596.8	2,836.1	2,628.6	207.49	13.668	
10,500.0	6,970.2	6,947.7	6,947.7	72.1	139.1	-90.34	-5,573.9	596.8	2,784.1	2,575.3	208.77	13.336	
10,531.5	6,970.0	6,947.5	6,947.5	72.7	139.1	-90.34	-5,573.9	596.8	2,759.9	2,550.5	209.38	13.181	
10,600.0	6,969.7	6,947.2	6,947.2	74.0	139.1	-90.33	-5,573.9	596.8	2,707.7	2,497.0	210.69	12.852	
10,629.9	6,969.5	6,947.0	6,947.0	74.5	139.1	-90.32	-5,573.9	596.8	2,685.2	2,473.9	211.26	12.710	
10,700.0	6,969.2	6,946.7	6,946.7	75.8	139.1	-90.31	-5,573.9	596.8	2,632.9	2,420.3	212.61	12.384	
10,728.3	6,969.0	6,946.5	6,946.5	76.4	139.1	-90.31	-5,573.9	596.8	2,612.0	2,398.8	213.16	12.254	
10,800.0	6,968.7	6,946.2	6,946.2	77.7	139.1	-90.29	-5,573.9	596.8	2,559.8	2,345.2	214.53	11.932	
10,826.7	6,968.6	6,946.1	6,946.1	78.2	139.1	-90.29	-5,573.9	596.8	2,540.5	2,325.5	215.05	11.814	
10,900.0	6,968.2	6,945.7	6,945.7	79.6	139.0	-90.28	-5,573.9	596.8	2,488.5	2,272.1	216.46	11.496	
10,925.2	6,968.1	6,945.6	6,945.6	80.1	139.0	-90.27	-5,573.9	596.8	2,470.9	2,253.9	216.95	11.389	
11,000.0	6,967.7	6,945.2	6,945.2	81.5	139.0	-90.26	-5,573.9	596.8	2,419.3	2,200.9	218.39	11.078	
11,023.6	6,967.6	6,945.1	6,945.1	81.9	139.0	-90.26	-5,573.9	596.8	2,403.3	2,184.4	218.84	10.982	
11,100.0	6,967.2	6,944.7	6,944.7	83.4	139.0	-90.25	-5,573.9	596.8	2,352.3	2,132.0	220.32	10.677	
11,122.0	6,967.1	6,944.6	6,944.6	83.8	139.0	-90.24	-5,573.9	596.8	2,337.9	2,117.1	220.75	10.591	
11,200.0	6,966.7	6,944.2	6,944.2	85.3	139.0	-90.23	-5,573.9	596.8	2,287.7	2,065.5	222.25	10.293	
11,220.4	6,966.6	6,944.1	6,944.1	85.7	139.0	-90.23	-5,573.9	596.8	2,274.8	2,052.2	222.65	10.217	
11,300.0	6,966.2	6,943.7	6,943.7	87.2	139.0	-90.22	-5,573.9	596.8	2,225.8	2,001.6	224.19	9.928	
11,318.9	6,966.1	6,943.6	6,943.6	87.5	139.0	-90.21	-5,573.9	596.8	2,214.4	1,989.8	224.56	9.861	
11,400.0	6,965.7	6,943.2	6,943.2	89.1	139.0	-90.20	-5,573.9	596.8	2,166.7	1,940.5	226.13	9.582	
11,417.3	6,965.6	6,943.1	6,943.1	89.4	139.0	-90.20	-5,573.9	596.8	2,156.7	1,930.3	226.46	9.524	
11,500.0	6,965.2	6,942.7	6,942.7	91.0	139.0	-90.18	-5,573.9	596.8	2,110.6	1,882.6	228.07	9.254	
11,515.7	6,965.2	6,942.7	6,942.7	91.3	139.0	-90.18	-5,573.9	596.8	2,102.1	1,873.7	228.37	9.205	
11,600.0	6,964.7	6,942.2	6,942.2	92.9	139.0	-90.17	-5,573.9	596.8	2,057.9	1,827.9	230.01	8.947	
11,614.1	6,964.7	6,942.2	6,942.2	93.2	139.0	-90.17	-5,573.9	596.8	2,050.8	1,820.5	230.28	8.905	
11,700.0	6,964.3	6,941.8	6,941.8	94.8	139.0	-90.15	-5,573.9	596.8	2,008.8	1,776.9	231.95	8.661	
11,712.6	6,964.2	6,941.7	6,941.7	95.1	139.0	-90.15	-5,573.9	596.8	2,002.9	1,770.7	232.20	8.626	
11,800.0	6,963.8	6,941.3	6,941.3	96.7	139.0	-90.14	-5,573.9	596.8	1,963.6	1,729.7	233.90	8.395	
11,811.0	6,963.7	6,941.2	6,941.2	97.0	139.0	-90.13	-5,573.9	596.8	1,958.9	1,724.8	234.11	8.367	
11,900.0	6,963.3	6,940.8	6,940.8	98.7	138.9	-90.12	-5,573.9	596.8	1,922.5	1,686.7	235.84	8.152	
11,909.4	6,963.2	6,940.7	6,940.7	98.9	138.9	-90.12	-5,573.9	596.8	1,918.9	1,682.9	236.03	8.130	
12,000.0	6,962.8	6,940.3	6,940.3	100.6	138.9	-90.10	-5,573.9	596.8	1,885.9	1,648.1	237.79	7.931	
12,007.8	6,962.7	6,940.2	6,940.2	100.7	138.9	-90.10	-5,573.9	596.8	1,883.2	1,645.2	237.94	7.914	
12,100.0	6,962.3	6,939.8	6,939.8	102.5	138.9	-90.09	-5,573.9	596.8	1,853.9	1,614.1	239.74	7.733	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,106.3	6,962.2	6,939.7	6,939.7	102.6	138.9	-90.09	-5,573.9	596.8	1,852.0	1,612.2	239.86	7.721	
12,200.0	6,961.8	6,939.3	6,939.3	104.5	138.9	-90.07	-5,573.9	596.8	1,826.8	1,585.1	241.69	7.558	
12,204.7	6,961.8	6,939.3	6,939.3	104.5	138.9	-90.07	-5,573.9	596.8	1,825.6	1,583.9	241.78	7.551	
12,300.0	6,961.3	6,938.8	6,938.8	106.4	138.9	-90.06	-5,573.9	596.8	1,804.9	1,561.2	243.64	7.408	
12,303.1	6,961.3	6,938.8	6,938.8	106.4	138.9	-90.06	-5,573.9	596.8	1,804.3	1,560.6	243.70	7.404	
12,400.0	6,960.8	6,938.3	6,938.3	108.3	138.9	-90.04	-5,573.9	596.8	1,788.3	1,542.7	245.59	7.281	
12,401.5	6,960.8	6,938.3	6,938.3	108.3	138.9	-90.04	-5,573.9	596.8	1,788.0	1,542.4	245.62	7.280	
12,500.0	6,960.3	6,937.8	6,937.8	110.3	138.9	-90.02	-5,573.9	596.8	1,777.1	1,529.6	247.55	7.179	
12,598.4	6,959.8	6,937.3	6,937.3	112.2	138.9	-90.01	-5,573.9	596.8	1,771.6	1,522.2	249.47	7.102	
12,600.0	6,959.8	6,937.3	6,937.3	112.2	138.9	-90.01	-5,573.9	596.8	1,771.6	1,522.1	249.50	7.101	
12,648.3	6,959.6	6,937.1	6,937.1	113.1	138.9	-90.00	-5,573.9	596.8	1,770.9	1,520.5	250.45	7.071 CC	
12,696.8	6,959.3	6,936.8	6,936.8	114.1	138.9	-89.99	-5,573.9	596.8	1,771.6	1,520.2	251.39	7.047 ES	
12,700.0	6,959.3	6,936.8	6,936.8	114.1	138.9	-89.99	-5,573.9	596.8	1,771.7	1,520.2	251.46	7.046	
12,795.2	6,958.8	6,936.3	6,936.3	116.0	138.9	-89.98	-5,573.9	596.8	1,777.0	1,523.7	253.32	7.015	
12,800.0	6,958.8	6,936.3	6,936.3	116.1	138.9	-89.98	-5,573.9	596.8	1,777.4	1,524.0	253.41	7.014	
12,893.7	6,958.3	6,935.8	6,935.8	117.9	138.9	-89.96	-5,573.9	596.8	1,787.9	1,532.6	255.25	7.004 SF	
12,900.0	6,958.3	6,935.8	6,935.8	118.0	138.9	-89.96	-5,573.9	596.8	1,788.7	1,533.4	255.37	7.004	
12,992.1	6,957.9	6,935.4	6,935.4	119.8	138.8	-89.94	-5,573.9	596.8	1,804.0	1,546.8	257.17	7.015	
13,000.0	6,957.8	6,935.3	6,935.3	120.0	138.8	-89.94	-5,573.9	596.8	1,805.5	1,548.2	257.33	7.016	
13,090.5	6,957.4	6,934.9	6,934.9	121.7	138.8	-89.93	-5,573.9	596.8	1,825.3	1,566.2	259.10	7.045	
13,100.0	6,957.3	6,934.8	6,934.8	121.9	138.8	-89.93	-5,573.9	596.8	1,827.6	1,568.3	259.29	7.049	
13,188.9	6,956.9	6,934.4	6,934.4	123.6	138.8	-89.91	-5,573.9	596.8	1,851.6	1,590.6	261.03	7.094	
13,200.0	6,956.8	6,934.3	6,934.3	123.9	138.8	-89.91	-5,573.9	596.8	1,854.9	1,593.6	261.24	7.100	
13,287.4	6,956.4	6,933.9	6,933.9	125.6	138.8	-89.90	-5,573.9	596.8	1,882.7	1,619.8	262.96	7.160	
13,300.0	6,956.3	6,933.8	6,933.8	125.8	138.8	-89.90	-5,573.9	596.8	1,887.0	1,623.8	263.20	7.169	
13,385.8	6,955.9	6,933.4	6,933.4	127.5	138.8	-89.88	-5,573.9	596.8	1,918.4	1,653.5	264.89	7.242	
13,400.0	6,955.8	6,933.3	6,933.3	127.8	138.8	-89.88	-5,573.9	596.8	1,923.9	1,658.7	265.16	7.255	
13,484.2	6,955.4	6,932.9	6,932.9	129.4	138.8	-89.87	-5,573.9	596.8	1,958.3	1,691.5	266.82	7.340	
13,500.0	6,955.3	6,932.8	6,932.8	129.7	138.8	-89.86	-5,573.9	596.8	1,965.1	1,698.0	267.13	7.356	
13,582.6	6,954.9	6,932.4	6,932.4	131.3	138.8	-89.85	-5,573.9	596.8	2,002.3	1,733.6	268.75	7.451	
13,600.0	6,954.8	6,932.3	6,932.3	131.7	138.8	-89.85	-5,573.9	596.8	2,010.5	1,741.4	269.09	7.471	
13,681.1	6,954.4	6,931.9	6,931.9	133.2	138.8	-89.83	-5,573.9	596.8	2,050.1	1,779.4	270.68	7.574	
13,700.0	6,954.3	6,931.8	6,931.8	133.6	138.8	-89.83	-5,573.9	596.8	2,059.7	1,788.6	271.05	7.599	
13,779.5	6,953.9	6,931.4	6,931.4	135.2	138.8	-89.82	-5,573.9	596.8	2,101.4	1,828.8	272.61	7.708	
13,800.0	6,953.8	6,931.3	6,931.3	135.6	138.8	-89.81	-5,573.9	596.8	2,112.5	1,839.5	273.01	7.738	
13,877.9	6,953.5	6,931.0	6,931.0	137.1	138.8	-89.80	-5,573.9	596.8	2,156.0	1,881.4	274.54	7.853	
13,900.0	6,953.3	6,930.8	6,930.8	137.5	138.8	-89.80	-5,573.9	596.8	2,168.6	1,893.7	274.98	7.887	
13,976.3	6,953.0	6,930.5	6,930.5	139.0	138.7	-89.79	-5,573.9	596.8	2,213.6	1,937.1	276.47	8.006	
14,000.0	6,952.8	6,930.3	6,930.3	139.5	138.7	-89.78	-5,573.9	596.8	2,227.9	1,950.9	276.94	8.045	
14,074.8	6,952.5	6,930.0	6,930.0	140.9	138.7	-89.77	-5,573.9	596.8	2,274.0	1,995.6	278.41	8.168	
14,100.0	6,952.4	6,929.9	6,929.9	141.4	138.7	-89.77	-5,573.9	596.8	2,289.9	2,011.0	278.90	8.210	
14,170.4	6,952.0	6,929.5	6,929.5	142.8	138.7	-89.75	-5,573.9	596.8	2,335.2	2,054.9	280.22	8.333	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	179.29	-6,284.3	78.1	6,284.8				
98.4	98.4	72.9	72.9	0.1	0.6	179.29	-6,284.3	78.1	6,284.8	6,284.0	0.74	8,536.405	
100.0	100.0	74.5	74.5	0.1	0.7	179.29	-6,284.3	78.1	6,284.8	6,284.0	0.75	8,359.175	
196.8	196.8	171.3	171.3	0.3	2.6	179.29	-6,284.3	78.1	6,284.8	6,281.9	2.88	2,180.643	
200.0	200.0	174.5	174.5	0.3	2.6	179.29	-6,284.3	78.1	6,284.8	6,281.8	2.96	2,120.585	
295.3	295.3	269.8	269.8	0.5	4.7	179.29	-6,284.3	78.1	6,284.8	6,279.5	5.23	1,200.770	
300.0	300.0	274.5	274.5	0.5	4.8	179.29	-6,284.3	78.1	6,284.8	6,279.4	5.34	1,176.275	
393.7	393.7	368.2	368.2	0.8	6.7	179.29	-6,284.3	78.1	6,284.8	6,277.3	7.48	840.491	
400.0	400.0	374.5	374.5	0.8	6.8	179.29	-6,284.3	78.1	6,284.8	6,277.1	7.62	824.736	
492.1	492.1	466.6	466.6	1.0	8.7	179.29	-6,284.3	78.1	6,284.8	6,275.1	9.70	647.910	
500.0	500.0	474.5	474.5	1.0	8.9	179.29	-6,284.3	78.1	6,284.8	6,274.9	9.88	636.269	
590.5	590.5	565.0	565.0	1.2	10.7	179.29	-6,284.3	78.1	6,284.8	6,272.9	11.91	527.505	
600.0	600.0	574.5	574.5	1.2	10.9	179.29	-6,284.3	78.1	6,284.8	6,272.6	12.13	518.267	
689.0	689.0	663.5	663.5	1.4	12.7	179.29	-6,284.3	78.1	6,284.8	6,270.6	14.12	444.975	
700.0	700.0	674.5	674.5	1.4	12.9	179.29	-6,284.3	78.1	6,284.8	6,270.4	14.37	437.315	
787.4	787.4	761.9	761.9	1.6	14.7	179.29	-6,284.3	78.1	6,284.8	6,268.4	16.33	384.835	
800.0	800.0	774.5	774.5	1.7	14.9	179.29	-6,284.3	78.1	6,284.8	6,268.2	16.61	378.292	
885.8	885.8	860.3	860.3	1.9	16.7	179.29	-6,284.3	78.1	6,284.8	6,266.2	18.54	339.045	
900.0	900.0	874.5	874.5	1.9	17.0	179.29	-6,284.3	78.1	6,284.8	6,265.9	18.85	333.335	
984.2	984.2	958.7	958.7	2.1	18.7	179.29	-6,284.3	78.1	6,284.8	6,264.0	20.74	303.010	
1,000.0	1,000.0	974.5	974.5	2.1	19.0	179.29	-6,284.3	78.1	6,284.8	6,263.7	21.09	297.943	
1,082.7	1,082.7	1,057.2	1,057.2	2.3	20.6	-103.39	-6,284.3	78.1	6,285.0	6,262.1	22.94	274.024	
1,100.0	1,100.0	1,074.5	1,074.5	2.3	21.0	-103.39	-6,284.3	78.1	6,285.2	6,261.8	23.32	269.497	
1,181.1	1,181.0	1,155.5	1,155.5	2.5	22.6	-103.41	-6,284.3	78.1	6,286.1	6,261.0	25.12	250.218	
1,200.0	1,199.8	1,174.3	1,174.3	2.5	23.0	-103.42	-6,284.3	78.1	6,286.4	6,260.8	25.54	246.125	
1,279.5	1,279.1	1,253.6	1,253.6	2.7	24.6	-103.44	-6,284.3	78.1	6,287.9	6,260.6	27.31	230.228	
1,300.0	1,299.5	1,274.0	1,274.0	2.8	25.0	-103.45	-6,284.3	78.1	6,288.4	6,260.7	27.77	226.474	
1,377.9	1,376.9	1,351.4	1,351.4	3.0	26.6	-103.49	-6,284.3	78.1	6,290.6	6,261.1	29.51	213.166	
1,400.0	1,398.7	1,373.2	1,373.2	3.0	27.0	-103.51	-6,284.3	78.1	6,291.3	6,261.3	30.00	209.695	
1,476.4	1,474.2	1,448.7	1,448.7	3.2	28.5	-103.55	-6,284.3	78.1	6,294.0	6,262.3	31.72	198.405	
1,500.0	1,497.5	1,472.0	1,472.0	3.3	29.0	-103.57	-6,284.3	78.1	6,295.0	6,262.7	32.25	195.171	
1,574.8	1,571.0	1,545.5	1,545.5	3.5	30.5	-103.63	-6,284.3	78.1	6,298.3	6,264.4	33.96	185.480	
1,600.0	1,595.6	1,570.1	1,570.1	3.6	31.0	-103.65	-6,284.3	78.1	6,299.6	6,265.0	34.53	182.446	
1,673.2	1,667.0	1,641.5	1,641.5	3.9	32.4	-103.71	-6,284.3	78.1	6,303.5	6,267.2	36.22	174.045	
1,700.0	1,693.1	1,667.6	1,667.6	4.0	32.9	-103.73	-6,284.3	78.1	6,305.0	6,268.2	36.83	171.182	
1,735.7	1,727.6	1,702.1	1,702.1	4.1	33.6	-103.77	-6,284.3	78.1	6,307.2	6,269.5	37.66	167.465	
1,771.6	1,762.4	1,736.9	1,736.9	4.3	34.3	-103.85	-6,284.3	78.1	6,309.4	6,270.9	38.51	163.836	
1,800.0	1,789.8	1,764.3	1,764.3	4.4	34.9	-103.91	-6,284.3	78.1	6,311.2	6,272.0	39.18	161.087	
1,870.1	1,857.6	1,832.1	1,832.1	4.7	36.2	-104.06	-6,284.3	78.1	6,315.6	6,274.8	40.84	154.626	
1,900.0	1,886.6	1,861.1	1,861.1	4.8	36.8	-104.12	-6,284.3	78.1	6,317.6	6,276.0	41.56	152.025	
1,968.5	1,952.8	1,927.3	1,927.3	5.2	38.2	-104.27	-6,284.3	78.1	6,322.0	6,278.8	43.20	146.354	
2,000.0	1,983.3	1,957.8	1,957.8	5.3	38.8	-104.34	-6,284.3	78.1	6,324.0	6,280.0	43.95	143.888	
2,066.9	2,048.0	2,022.5	2,022.5	5.6	40.1	-104.49	-6,284.3	78.1	6,328.4	6,282.8	45.56	138.894	
2,100.0	2,080.0	2,054.5	2,054.5	5.8	40.7	-104.56	-6,284.3	78.1	6,330.5	6,284.2	46.36	136.555	
2,165.3	2,143.2	2,117.7	2,117.7	6.1	42.0	-104.70	-6,284.3	78.1	6,334.9	6,286.9	47.94	132.143	
2,200.0	2,176.7	2,151.2	2,151.2	6.3	42.7	-104.77	-6,284.3	78.1	6,337.2	6,288.4	48.78	129.921	
2,263.8	2,238.4	2,212.9	2,212.9	6.6	43.9	-104.91	-6,284.3	78.1	6,341.4	6,291.1	50.32	126.011	
2,300.0	2,273.4	2,247.9	2,247.9	6.8	44.6	-104.99	-6,284.3	78.1	6,343.9	6,292.7	51.20	123.897	
2,362.2	2,333.6	2,308.1	2,308.1	7.1	45.8	-105.12	-6,284.3	78.1	6,348.1	6,295.4	52.72	120.422	
2,400.0	2,370.2	2,344.7	2,344.7	7.3	46.5	-105.20	-6,284.3	78.1	6,350.7	6,297.1	53.63	118.407	
2,460.6	2,428.8	2,403.3	2,403.3	7.6	47.7	-105.33	-6,284.3	78.1	6,354.9	6,299.8	55.11	115.309	
2,500.0	2,466.9	2,441.4	2,441.4	7.8	48.5	-105.42	-6,284.3	78.1	6,357.6	6,301.6	56.07	113.385	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,559.0	2,524.0	2,498.5	2,498.5	8.1	49.6	-105.54	-6,284.3	78.1	6,361.8	6,304.3	57.51	110.617	
2,600.0	2,563.6	2,538.1	2,538.1	8.3	50.4	-105.63	-6,284.3	78.1	6,364.6	6,306.1	58.51	108.777	
2,657.5	2,619.2	2,593.7	2,593.7	8.6	51.6	-105.75	-6,284.3	78.1	6,368.7	6,308.8	59.91	106.297	
2,700.0	2,660.3	2,634.8	2,634.8	8.8	52.4	-105.84	-6,284.3	78.1	6,371.8	6,310.8	60.95	104.535	
2,755.9	2,714.4	2,688.9	2,688.9	9.1	53.5	-105.96	-6,284.3	78.1	6,375.8	6,313.4	62.32	102.307	
2,800.0	2,757.0	2,731.5	2,731.5	9.4	54.3	-106.06	-6,284.3	78.1	6,378.9	6,315.6	63.40	100.618	
2,854.3	2,809.6	2,784.1	2,784.1	9.6	55.4	-106.17	-6,284.3	78.1	6,382.9	6,318.2	64.73	98.614	
2,900.0	2,853.8	2,828.3	2,828.3	9.9	56.3	-106.27	-6,284.3	78.1	6,386.2	6,320.4	65.84	96.991	
2,952.7	2,904.8	2,879.3	2,879.3	10.2	57.3	-106.38	-6,284.3	78.1	6,390.1	6,323.0	67.13	95.184	
3,000.0	2,950.5	2,925.0	2,925.0	10.4	58.2	-106.48	-6,284.3	78.1	6,393.6	6,325.3	68.29	93.624	
3,051.2	3,000.0	2,974.5	2,974.5	10.7	59.2	-106.59	-6,284.3	78.1	6,397.4	6,327.9	69.54	91.992	
3,100.0	3,047.2	3,021.7	3,021.7	10.9	60.2	-106.69	-6,284.3	78.1	6,401.1	6,330.4	70.74	90.490	
3,149.6	3,095.2	3,069.7	3,069.7	11.2	61.1	-106.80	-6,284.3	78.1	6,404.8	6,332.9	71.95	89.015	
3,200.0	3,143.9	3,118.4	3,118.4	11.5	62.1	-106.90	-6,284.3	78.1	6,408.7	6,335.5	73.19	87.566	
3,248.0	3,190.4	3,164.9	3,164.9	11.7	63.0	-107.00	-6,284.3	78.1	6,412.3	6,338.0	74.36	86.231	
3,300.0	3,240.6	3,215.1	3,215.1	12.0	64.1	-107.11	-6,284.3	78.1	6,416.3	6,340.7	75.64	84.833	
3,346.4	3,285.6	3,260.1	3,260.1	12.3	65.0	-107.21	-6,284.3	78.1	6,419.9	6,343.1	76.77	83.622	
3,400.0	3,337.4	3,311.9	3,311.9	12.5	66.0	-107.32	-6,284.3	78.1	6,424.1	6,346.0	78.08	82.272	
3,444.9	3,380.8	3,355.3	3,355.3	12.8	66.9	-107.42	-6,284.3	78.1	6,427.6	6,348.4	79.18	81.174	
3,500.0	3,434.1	3,408.6	3,408.6	13.1	67.9	-107.53	-6,284.3	78.1	6,431.9	6,351.4	80.53	79.868	
3,543.3	3,476.0	3,450.5	3,450.5	13.3	68.8	-107.62	-6,284.3	78.1	6,435.3	6,353.7	81.59	78.872	
3,600.0	3,530.8	3,505.3	3,505.3	13.6	69.9	-107.74	-6,284.3	78.1	6,439.8	6,356.9	82.98	77.607	
3,641.7	3,571.2	3,545.7	3,545.7	13.8	70.7	-107.83	-6,284.3	78.1	6,443.2	6,359.2	84.00	76.703	
3,700.0	3,627.5	3,602.0	3,602.0	14.2	71.8	-107.95	-6,284.3	78.1	6,447.9	6,362.4	85.43	75.477	
3,740.1	3,666.4	3,640.9	3,640.9	14.4	72.6	-108.03	-6,284.3	78.1	6,451.1	6,364.7	86.41	74.656	
3,800.0	3,724.2	3,698.7	3,698.7	14.7	73.8	-108.16	-6,284.3	78.1	6,456.0	6,368.1	87.88	73.467	
3,838.6	3,761.6	3,736.1	3,736.1	14.9	74.5	-108.24	-6,284.3	78.1	6,459.1	6,370.3	88.82	72.721	
3,900.0	3,821.0	3,795.5	3,795.5	15.2	75.7	-108.37	-6,284.3	78.1	6,464.2	6,373.9	90.32	71.567	
3,937.0	3,856.8	3,831.3	3,831.3	15.4	76.4	-108.44	-6,284.3	78.1	6,467.2	6,376.0	91.23	70.891	
4,000.0	3,917.7	3,892.2	3,892.2	15.8	77.7	-108.57	-6,284.3	78.1	6,472.5	6,379.7	92.77	69.769	
4,035.4	3,951.9	3,926.4	3,926.4	16.0	78.4	-108.65	-6,284.3	78.1	6,475.4	6,381.8	93.64	69.155	
4,100.0	4,014.4	3,988.9	3,988.9	16.3	79.6	-108.78	-6,284.3	78.1	6,480.8	6,385.6	95.21	68.065	
4,133.8	4,047.1	4,021.6	4,021.6	16.5	80.3	-108.85	-6,284.3	78.1	6,483.7	6,387.7	96.04	67.509	
4,200.0	4,111.1	4,085.6	4,085.6	16.9	81.6	-108.99	-6,284.3	78.1	6,489.3	6,391.7	97.66	66.448	
4,232.3	4,142.3	4,116.8	4,116.8	17.0	82.2	-109.05	-6,284.3	78.1	6,492.1	6,393.6	98.45	65.944	
4,300.0	4,207.8	4,182.3	4,182.3	17.4	83.5	-109.19	-6,284.3	78.1	6,497.9	6,397.8	100.10	64.911	
4,330.7	4,237.5	4,212.0	4,212.0	17.6	84.1	-109.25	-6,284.3	78.1	6,500.5	6,399.7	100.85	64.455	
4,400.0	4,304.6	4,279.1	4,279.1	17.9	85.5	-109.40	-6,284.3	78.1	6,506.5	6,404.0	102.55	63.449	
4,429.1	4,332.7	4,307.2	4,307.2	18.1	86.0	-109.46	-6,284.3	78.1	6,509.1	6,405.8	103.26	63.037	
4,500.0	4,401.3	4,375.8	4,375.8	18.5	87.4	-109.60	-6,284.3	78.1	6,515.2	6,410.3	104.99	62.056	
4,527.5	4,427.9	4,402.4	4,402.4	18.6	87.9	-109.66	-6,284.3	78.1	6,517.7	6,412.0	105.66	61.684	
4,600.0	4,498.0	4,472.5	4,472.5	19.0	89.3	-109.80	-6,284.3	78.1	6,524.1	6,416.6	107.43	60.728	
4,626.0	4,523.1	4,497.6	4,497.6	19.2	89.8	-109.86	-6,284.3	78.1	6,526.4	6,418.3	108.06	60.393	
4,700.0	4,594.7	4,569.2	4,569.2	19.6	91.3	-110.01	-6,284.3	78.1	6,533.0	6,423.1	109.87	59.461	
4,724.4	4,618.3	4,592.8	4,592.8	19.7	91.8	-110.06	-6,284.3	78.1	6,535.2	6,424.7	110.47	59.160	
4,800.0	4,691.5	4,666.0	4,666.0	20.1	93.2	-110.21	-6,284.3	78.1	6,542.0	6,429.7	112.31	58.249	
4,822.8	4,713.5	4,688.0	4,688.0	20.2	93.7	-110.26	-6,284.3	78.1	6,544.0	6,431.2	112.87	57.980	
4,900.0	4,788.2	4,762.7	4,762.7	20.7	95.2	-110.41	-6,284.3	78.1	6,551.0	6,436.3	114.75	57.091	
4,921.2	4,808.7	4,783.2	4,783.2	20.8	95.6	-110.46	-6,284.3	78.1	6,553.0	6,437.7	115.27	56.851	
5,000.0	4,884.9	4,859.4	4,859.4	21.2	97.1	-110.62	-6,284.3	78.1	6,560.2	6,443.0	117.18	55.982	
5,019.7	4,903.9	4,878.4	4,878.4	21.3	97.5	-110.66	-6,284.3	78.1	6,562.0	6,444.4	117.66	55.769	
5,100.0	4,981.6	4,956.1	4,956.1	21.8	99.1	-110.82	-6,284.3	78.1	6,569.5	6,449.8	119.62	54.919	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,118.1	4,999.1	4,973.6	4,973.6	21.8	99.4	-110.85	-6,284.3	78.1	6,571.1	6,451.1	120.06	54.731	
5,200.0	5,078.3	5,052.8	5,052.8	22.3	101.0	-111.02	-6,284.3	78.1	6,578.8	6,456.7	122.06	53.900	
5,216.5	5,094.3	5,068.8	5,068.8	22.4	101.3	-111.05	-6,284.3	78.1	6,580.3	6,457.9	122.46	53.736	
5,300.0	5,175.1	5,149.6	5,149.6	22.8	103.0	-111.22	-6,284.3	78.1	6,588.2	6,463.7	124.49	52.922	
5,314.9	5,189.5	5,164.0	5,164.0	22.9	103.2	-111.25	-6,284.3	78.1	6,589.6	6,464.8	124.85	52.779	
5,400.0	5,271.8	5,246.3	5,246.3	23.4	104.9	-111.42	-6,284.3	78.1	6,597.7	6,470.8	126.92	51.983	
5,413.4	5,284.7	5,259.2	5,259.2	23.5	105.2	-111.45	-6,284.3	78.1	6,599.0	6,471.7	127.25	51.860	
5,500.0	5,368.5	5,343.0	5,343.0	23.9	106.8	-111.62	-6,284.3	78.1	6,607.3	6,478.0	129.35	51.080	
5,511.8	5,379.9	5,354.4	5,354.4	24.0	107.1	-111.64	-6,284.3	78.1	6,608.4	6,478.8	129.64	50.976	
5,600.0	5,465.2	5,439.7	5,439.7	24.5	108.8	-111.82	-6,284.3	78.1	6,617.0	6,485.2	131.78	50.211	
5,610.2	5,475.1	5,449.6	5,449.6	24.5	109.0	-111.84	-6,284.3	78.1	6,618.0	6,485.9	132.03	50.124	
5,647.2	5,510.9	5,485.4	5,485.4	24.7	109.7	-111.91	-6,284.3	78.1	6,621.6	6,488.6	132.93	49.813	
5,700.0	5,562.1	5,536.6	5,536.6	25.0	110.7	-112.10	-6,284.3	78.1	6,626.5	6,492.3	134.23	49.367	
5,708.6	5,570.5	5,545.0	5,545.0	25.0	110.9	-112.13	-6,284.3	78.1	6,627.3	6,492.9	134.44	49.298	
5,800.0	5,659.6	5,634.1	5,634.1	25.3	112.7	-112.43	-6,284.3	78.1	6,635.0	6,498.4	136.61	48.570	
5,807.1	5,666.6	5,641.1	5,641.1	25.4	112.8	-112.45	-6,284.3	78.1	6,635.6	6,498.8	136.77	48.515	
5,900.0	5,757.9	5,732.4	5,732.4	25.7	114.7	-112.71	-6,284.3	78.1	6,642.2	6,503.3	138.95	47.802	
5,905.5	5,763.3	5,737.8	5,737.8	25.7	114.8	-112.73	-6,284.3	78.1	6,642.6	6,503.5	139.08	47.761	
6,000.0	5,856.7	5,831.2	5,831.2	26.0	116.7	-112.94	-6,284.3	78.1	6,648.1	6,506.9	141.26	47.063	
6,003.9	5,860.6	5,835.1	5,835.1	26.0	116.7	-112.95	-6,284.3	78.1	6,648.3	6,507.0	141.35	47.034	
6,100.0	5,956.1	5,930.6	5,930.6	26.2	118.7	-113.11	-6,284.3	78.1	6,652.7	6,509.2	143.53	46.352	
6,102.3	5,958.4	5,932.9	5,932.9	26.2	118.7	-113.12	-6,284.3	78.1	6,652.8	6,509.2	143.58	46.335	
6,200.0	6,055.7	6,030.2	6,030.2	26.4	120.7	-113.24	-6,284.3	78.1	6,655.9	6,510.2	145.74	45.668	
6,200.8	6,056.5	6,031.0	6,031.0	26.4	120.7	-113.24	-6,284.3	78.1	6,655.9	6,510.2	145.76	45.663	
6,299.2	6,154.8	6,129.3	6,129.3	26.5	122.7	-113.31	-6,284.3	78.1	6,657.7	6,509.8	147.91	45.012	
6,300.0	6,155.6	6,130.1	6,130.1	26.5	122.7	-113.31	-6,284.3	78.1	6,657.7	6,509.8	147.91	45.012	
6,382.9	6,238.5	6,213.0	6,213.0	26.6	124.3	169.35	-6,284.3	78.1	6,658.2	6,508.6	149.64	44.494	
6,397.6	6,253.2	6,227.7	6,227.7	26.6	124.6	169.35	-6,284.3	78.1	6,658.2	6,508.3	149.96	44.401	
6,400.0	6,255.6	6,230.1	6,230.1	26.6	124.7	169.35	-6,284.3	78.1	6,658.2	6,508.2	150.01	44.386	
6,412.9	6,268.5	6,243.0	6,243.0	26.6	124.9	169.35	-6,284.3	78.1	6,658.2	6,507.9	150.28	44.305	
6,450.0	6,305.6	6,280.1	6,280.1	26.7	125.7	-10.88	-6,284.3	78.1	6,657.3	6,506.4	150.86	44.130	
6,496.0	6,351.5	6,326.0	6,326.0	26.7	126.6	-10.94	-6,284.3	78.1	6,653.5	6,502.5	150.99	44.066	
6,500.0	6,355.4	6,329.9	6,329.9	26.7	126.7	-10.95	-6,284.3	78.1	6,653.0	6,502.0	150.97	44.068	
6,550.0	6,404.8	6,379.3	6,379.3	26.7	127.7	-11.08	-6,284.3	78.1	6,645.4	6,495.0	150.36	44.197	
6,594.5	6,448.1	6,422.6	6,422.6	26.8	128.6	-11.25	-6,284.3	78.1	6,635.7	6,486.5	149.20	44.476	
6,600.0	6,453.5	6,428.0	6,428.0	26.8	128.7	-11.27	-6,284.3	78.1	6,634.3	6,485.3	149.01	44.522	
6,650.0	6,501.3	6,475.8	6,475.8	26.8	129.6	-11.54	-6,284.3	78.1	6,620.0	6,473.1	146.94	45.054	
6,692.9	6,541.4	6,515.9	6,515.9	26.8	130.4	-11.82	-6,284.3	78.1	6,605.1	6,460.6	144.58	45.684	
6,700.0	6,548.0	6,522.5	6,522.5	26.8	130.6	-11.87	-6,284.3	78.1	6,602.5	6,458.3	144.14	45.805	
6,750.0	6,593.3	6,567.8	6,567.8	26.8	131.5	-12.29	-6,284.3	78.1	6,581.7	6,441.1	140.65	46.796	
6,791.3	6,629.6	6,604.1	6,604.1	26.8	132.2	-12.71	-6,284.3	78.1	6,562.3	6,425.1	137.26	47.810	
6,800.0	6,637.0	6,611.5	6,611.5	26.8	132.4	-12.81	-6,284.3	78.1	6,558.0	6,421.5	136.49	48.048	
6,850.0	6,679.0	6,653.5	6,653.5	26.8	133.2	-13.43	-6,284.3	78.1	6,531.3	6,399.6	131.72	49.586	
6,889.7	6,710.9	6,685.4	6,685.4	26.8	133.8	-14.03	-6,284.3	78.1	6,508.0	6,380.5	127.53	51.030	
6,900.0	6,718.9	6,693.4	6,693.4	26.8	134.0	-14.20	-6,284.3	78.1	6,501.8	6,375.4	126.41	51.436	
6,950.0	6,756.7	6,731.2	6,731.2	26.8	134.8	-15.12	-6,284.3	78.1	6,469.6	6,349.0	120.66	53.619	
6,988.2	6,783.9	6,758.4	6,758.4	26.8	135.3	-15.96	-6,284.3	78.1	6,443.4	6,327.3	116.07	55.511	
7,000.0	6,792.0	6,766.5	6,766.5	26.8	135.5	-16.24	-6,284.3	78.1	6,435.0	6,320.3	114.63	56.136	
7,050.0	6,824.8	6,799.3	6,799.3	26.8	136.1	-17.62	-6,284.3	78.1	6,398.0	6,289.4	108.55	58.942	
7,086.6	6,847.2	6,821.7	6,821.7	26.8	136.6	-18.83	-6,284.3	78.1	6,369.5	6,265.3	104.26	61.095	
7,100.0	6,854.9	6,829.4	6,829.4	26.8	136.7	-19.32	-6,284.3	78.1	6,358.9	6,256.1	102.74	61.893	
7,150.0	6,882.2	6,856.7	6,856.7	26.8	137.3	-21.46	-6,284.3	78.1	6,317.8	6,220.1	97.71	64.656	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,185.0	6,899.5	6,874.0	6,874.0	26.8	137.6	-23.29	-6,284.3	78.1	6,287.9	6,192.9	95.04	66.162	
7,200.0	6,906.5	6,881.0	6,881.0	26.9	137.8	-24.18	-6,284.3	78.1	6,274.9	6,180.7	94.21	66.607	
7,250.0	6,927.6	6,902.1	6,902.1	26.9	138.2	-27.72	-6,284.3	78.1	6,230.6	6,137.3	93.26	66.810	
7,283.4	6,940.0	6,914.5	6,914.5	27.0	138.5	-30.71	-6,284.3	78.1	6,200.1	6,105.4	94.68	65.482	
7,300.0	6,945.5	6,920.0	6,920.0	27.0	138.6	-32.43	-6,284.3	78.1	6,184.9	6,088.7	96.15	64.324	
7,350.0	6,960.2	6,934.7	6,934.7	27.1	138.9	-38.84	-6,284.3	78.1	6,138.1	6,033.9	104.19	58.913	
7,381.9	6,967.8	6,942.3	6,942.3	27.2	139.0	-44.16	-6,284.3	78.1	6,107.8	5,995.4	112.38	54.351	
7,400.0	6,971.5	6,946.0	6,946.0	27.2	139.1	-47.73	-6,284.3	78.1	6,090.4	5,972.3	118.06	51.589	
7,450.0	6,979.3	6,953.8	6,953.8	27.4	139.2	-60.03	-6,284.3	78.1	6,042.1	5,905.7	136.37	44.307	
7,480.3	6,982.4	6,956.9	6,956.9	27.5	139.3	-69.37	-6,284.3	78.1	6,012.6	5,865.3	147.36	40.803	
7,500.0	6,983.7	6,958.2	6,958.2	27.5	139.3	-76.12	-6,284.3	78.1	5,993.4	5,840.2	153.19	39.125	
7,541.4	6,984.7	6,959.2	6,959.2	27.7	139.4	-91.30	-6,284.3	78.1	5,952.9	5,794.0	158.99	37.443	
7,578.7	6,984.5	6,959.0	6,959.0	27.9	139.3	-91.29	-6,284.3	78.1	5,916.5	5,757.1	159.36	37.127	
7,600.0	6,984.4	6,958.9	6,958.9	28.0	139.3	-91.29	-6,284.3	78.1	5,895.7	5,736.1	159.57	36.948	
7,677.1	6,984.0	6,958.5	6,958.5	28.5	139.3	-91.27	-6,284.3	78.1	5,820.3	5,659.9	160.38	36.291	
7,700.0	6,983.9	6,958.4	6,958.4	28.6	139.3	-91.26	-6,284.3	78.1	5,798.0	5,637.4	160.62	36.097	
7,775.6	6,983.5	6,958.0	6,958.0	29.2	139.3	-91.25	-6,284.3	78.1	5,724.2	5,562.8	161.48	35.448	
7,800.0	6,983.4	6,957.9	6,957.9	29.4	139.3	-91.24	-6,284.3	78.1	5,700.4	5,538.7	161.76	35.240	
7,874.0	6,983.1	6,957.6	6,957.6	30.0	139.3	-91.23	-6,284.3	78.1	5,628.3	5,465.6	162.69	34.595	
7,900.0	6,982.9	6,957.4	6,957.4	30.3	139.3	-91.22	-6,284.3	78.1	5,602.9	5,439.9	163.01	34.371	
7,972.4	6,982.6	6,957.1	6,957.1	31.0	139.3	-91.20	-6,284.3	78.1	5,532.3	5,368.4	163.99	33.736	
8,000.0	6,982.4	6,956.9	6,956.9	31.3	139.3	-91.20	-6,284.3	78.1	5,505.5	5,341.1	164.36	33.496	
8,070.8	6,982.1	6,956.6	6,956.6	32.1	139.3	-91.18	-6,284.3	78.1	5,436.5	5,271.2	165.37	32.875	
8,100.0	6,982.0	6,956.5	6,956.5	32.4	139.3	-91.18	-6,284.3	78.1	5,408.2	5,242.4	165.79	32.621	
8,169.3	6,981.6	6,956.1	6,956.1	33.2	139.3	-91.16	-6,284.3	78.1	5,340.8	5,174.0	166.82	32.015	
8,200.0	6,981.5	6,956.0	6,956.0	33.6	139.3	-91.15	-6,284.3	78.1	5,311.0	5,143.7	167.28	31.748	
8,267.7	6,981.1	6,955.6	6,955.6	34.5	139.3	-91.14	-6,284.3	78.1	5,245.2	5,076.9	168.33	31.160	
8,300.0	6,981.0	6,955.5	6,955.5	34.9	139.3	-91.13	-6,284.3	78.1	5,213.8	5,045.0	168.83	30.881	
8,366.1	6,980.7	6,955.2	6,955.2	35.8	139.3	-91.12	-6,284.3	78.1	5,149.7	4,979.8	169.89	30.311	
8,400.0	6,980.5	6,955.0	6,955.0	36.3	139.3	-91.11	-6,284.3	78.1	5,116.8	4,946.4	170.44	30.022	
8,464.5	6,980.2	6,954.7	6,954.7	37.2	139.3	-91.10	-6,284.3	78.1	5,054.3	4,882.8	171.50	29.472	
8,500.0	6,980.0	6,954.5	6,954.5	37.7	139.3	-91.09	-6,284.3	78.1	5,020.0	4,847.9	172.08	29.172	
8,563.0	6,979.7	6,954.2	6,954.2	38.6	139.2	-91.07	-6,284.3	78.1	4,959.0	4,785.9	173.14	28.642	
8,600.0	6,979.5	6,954.0	6,954.0	39.1	139.2	-91.07	-6,284.3	78.1	4,923.2	4,749.4	173.76	28.334	
8,661.4	6,979.2	6,953.7	6,953.7	40.1	139.2	-91.05	-6,284.3	78.1	4,863.8	4,689.0	174.81	27.824	
8,700.0	6,979.0	6,953.5	6,953.5	40.7	139.2	-91.04	-6,284.3	78.1	4,826.6	4,651.1	175.47	27.507	
8,759.8	6,978.7	6,953.2	6,953.2	41.6	139.2	-91.03	-6,284.3	78.1	4,768.8	4,592.3	176.51	27.018	
8,800.0	6,978.5	6,953.0	6,953.0	42.2	139.2	-91.02	-6,284.3	78.1	4,730.1	4,552.9	177.20	26.693	
8,858.2	6,978.2	6,952.7	6,952.7	43.1	139.2	-91.01	-6,284.3	78.1	4,673.9	4,495.7	178.23	26.225	
8,900.0	6,978.0	6,952.5	6,952.5	43.8	139.2	-91.00	-6,284.3	78.1	4,633.7	4,454.8	178.96	25.892	
8,956.7	6,977.8	6,952.3	6,952.3	44.7	139.2	-90.99	-6,284.3	78.1	4,579.2	4,399.2	179.97	25.444	
9,000.0	6,977.5	6,952.0	6,952.0	45.4	139.2	-90.98	-6,284.3	78.1	4,537.6	4,356.8	180.74	25.105	
9,055.1	6,977.3	6,951.8	6,951.8	46.3	139.2	-90.96	-6,284.3	78.1	4,484.6	4,302.9	181.73	24.677	
9,100.0	6,977.1	6,951.6	6,951.6	47.1	139.2	-90.95	-6,284.3	78.1	4,441.5	4,259.0	182.54	24.332	
9,153.5	6,976.8	6,951.3	6,951.3	48.0	139.2	-90.94	-6,284.3	78.1	4,390.2	4,206.7	183.51	23.924	
9,200.0	6,976.6	6,951.1	6,951.1	48.8	139.2	-90.93	-6,284.3	78.1	4,345.7	4,161.4	184.35	23.573	
9,251.9	6,976.3	6,950.8	6,950.8	49.7	139.2	-90.92	-6,284.3	78.1	4,296.0	4,110.7	185.30	23.184	
9,300.0	6,976.1	6,950.6	6,950.6	50.5	139.2	-90.91	-6,284.3	78.1	4,250.1	4,063.9	186.18	22.828	
9,350.4	6,975.8	6,950.3	6,950.3	51.3	139.2	-90.90	-6,284.3	78.1	4,202.0	4,014.9	187.10	22.458	
9,400.0	6,975.6	6,950.1	6,950.1	52.2	139.2	-90.89	-6,284.3	78.1	4,154.6	3,966.6	188.01	22.097	
9,448.8	6,975.3	6,949.8	6,949.8	53.1	139.2	-90.88	-6,284.3	78.1	4,108.1	3,919.2	188.92	21.746	
9,500.0	6,975.1	6,949.6	6,949.6	54.0	139.2	-90.87	-6,284.3	78.1	4,059.4	3,869.5	189.86	21.381	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,547.2	6,974.9	6,949.4	6,949.4	54.8	139.2	-90.86	-6,284.3	78.1	4,014.5	3,823.8	190.74	21.047	
9,600.0	6,974.6	6,949.1	6,949.1	55.7	139.1	-90.84	-6,284.3	78.1	3,964.4	3,772.7	191.72	20.678	
9,645.6	6,974.4	6,948.9	6,948.9	56.5	139.1	-90.83	-6,284.3	78.1	3,921.2	3,728.6	192.57	20.362	
9,700.0	6,974.1	6,948.6	6,948.6	57.5	139.1	-90.82	-6,284.3	78.1	3,869.7	3,676.1	193.59	19.989	
9,744.1	6,973.9	6,948.4	6,948.4	58.3	139.1	-90.81	-6,284.3	78.1	3,828.0	3,633.6	194.42	19.690	
9,800.0	6,973.6	6,948.1	6,948.1	59.3	139.1	-90.80	-6,284.3	78.1	3,775.2	3,579.8	195.46	19.314	
9,842.5	6,973.4	6,947.9	6,947.9	60.0	139.1	-90.79	-6,284.3	78.1	3,735.2	3,538.9	196.26	19.031	
9,900.0	6,973.1	6,947.6	6,947.6	61.1	139.1	-90.78	-6,284.3	78.1	3,681.1	3,483.7	197.35	18.653	
9,940.9	6,972.9	6,947.4	6,947.4	61.8	139.1	-90.77	-6,284.3	78.1	3,642.6	3,444.5	198.12	18.386	
10,000.0	6,972.6	6,947.1	6,947.1	62.9	139.1	-90.75	-6,284.3	78.1	3,587.2	3,388.0	199.23	18.005	
10,039.3	6,972.4	6,946.9	6,946.9	63.6	139.1	-90.75	-6,284.3	78.1	3,550.4	3,350.4	199.98	17.754	
10,100.0	6,972.1	6,946.6	6,946.6	64.7	139.1	-90.73	-6,284.3	78.1	3,493.7	3,292.6	201.13	17.371	
10,137.8	6,972.0	6,946.5	6,946.5	65.4	139.1	-90.72	-6,284.3	78.1	3,458.5	3,256.7	201.85	17.134	
10,200.0	6,971.6	6,946.1	6,946.1	66.6	139.1	-90.71	-6,284.3	78.1	3,400.6	3,197.6	203.03	16.749	
10,236.2	6,971.5	6,946.0	6,946.0	67.2	139.1	-90.70	-6,284.3	78.1	3,367.0	3,163.3	203.72	16.528	
10,300.0	6,971.2	6,945.7	6,945.7	68.4	139.1	-90.69	-6,284.3	78.1	3,307.9	3,102.9	204.93	16.141	
10,334.6	6,971.0	6,945.5	6,945.5	69.0	139.1	-90.68	-6,284.3	78.1	3,275.8	3,070.2	205.59	15.934	
10,400.0	6,970.7	6,945.2	6,945.2	70.2	139.1	-90.67	-6,284.3	78.1	3,215.6	3,008.7	206.84	15.546	
10,433.0	6,970.5	6,945.0	6,945.0	70.9	139.1	-90.66	-6,284.3	78.1	3,185.1	2,977.7	207.47	15.352	
10,500.0	6,970.2	6,944.7	6,944.7	72.1	139.1	-90.64	-6,284.3	78.1	3,123.7	2,915.0	208.75	14.964	
10,531.5	6,970.0	6,944.5	6,944.5	72.7	139.1	-90.64	-6,284.3	78.1	3,094.9	2,885.6	209.36	14.783	
10,600.0	6,969.7	6,944.2	6,944.2	74.0	139.0	-90.62	-6,284.3	78.1	3,032.4	2,821.7	210.67	14.394	
10,629.9	6,969.5	6,944.0	6,944.0	74.5	139.0	-90.61	-6,284.3	78.1	3,005.2	2,794.0	211.25	14.226	
10,700.0	6,969.2	6,943.7	6,943.7	75.8	139.0	-90.60	-6,284.3	78.1	2,941.7	2,729.1	212.59	13.837	
10,728.3	6,969.0	6,943.5	6,943.5	76.4	139.0	-90.59	-6,284.3	78.1	2,916.1	2,702.9	213.14	13.682	
10,800.0	6,968.7	6,943.2	6,943.2	77.7	139.0	-90.58	-6,284.3	78.1	2,851.5	2,637.0	214.51	13.293	
10,826.7	6,968.6	6,943.1	6,943.1	78.2	139.0	-90.57	-6,284.3	78.1	2,827.5	2,612.5	215.03	13.150	
10,900.0	6,968.2	6,942.7	6,942.7	79.6	139.0	-90.55	-6,284.3	78.1	2,762.1	2,545.7	216.44	12.761	
10,925.2	6,968.1	6,942.6	6,942.6	80.1	139.0	-90.55	-6,284.3	78.1	2,739.7	2,522.8	216.93	12.630	
11,000.0	6,967.7	6,942.2	6,942.2	81.5	139.0	-90.53	-6,284.3	78.1	2,673.4	2,455.0	218.37	12.243	
11,023.6	6,967.6	6,942.1	6,942.1	81.9	139.0	-90.53	-6,284.3	78.1	2,652.6	2,433.8	218.83	12.122	
11,100.0	6,967.2	6,941.7	6,941.7	83.4	139.0	-90.51	-6,284.3	78.1	2,585.5	2,365.2	220.30	11.736	
11,122.0	6,967.1	6,941.6	6,941.6	83.8	139.0	-90.50	-6,284.3	78.1	2,566.3	2,345.6	220.73	11.627	
11,200.0	6,966.7	6,941.2	6,941.2	85.3	139.0	-90.49	-6,284.3	78.1	2,498.6	2,276.3	222.23	11.243	
11,220.4	6,966.6	6,941.1	6,941.1	85.7	139.0	-90.48	-6,284.3	78.1	2,480.9	2,258.3	222.63	11.144	
11,300.0	6,966.2	6,940.7	6,940.7	87.2	139.0	-90.46	-6,284.3	78.1	2,412.6	2,188.4	224.17	10.762	
11,318.9	6,966.1	6,940.6	6,940.6	87.5	139.0	-90.46	-6,284.3	78.1	2,396.5	2,172.0	224.54	10.673	
11,400.0	6,965.7	6,940.2	6,940.2	89.1	139.0	-90.44	-6,284.3	78.1	2,327.8	2,101.7	226.11	10.295	
11,417.3	6,965.6	6,940.1	6,940.1	89.4	139.0	-90.44	-6,284.3	78.1	2,313.2	2,086.8	226.44	10.216	
11,500.0	6,965.2	6,939.7	6,939.7	91.0	139.0	-90.42	-6,284.3	78.1	2,244.2	2,016.2	228.05	9.841	
11,515.7	6,965.2	6,939.7	6,939.7	91.3	139.0	-90.42	-6,284.3	78.1	2,231.2	2,002.8	228.35	9.771	
11,600.0	6,964.7	6,939.2	6,939.2	92.9	138.9	-90.40	-6,284.3	78.1	2,162.0	1,932.0	229.99	9.401	
11,614.1	6,964.7	6,939.2	6,939.2	93.2	138.9	-90.39	-6,284.3	78.1	2,150.5	1,920.3	230.26	9.339	
11,700.0	6,964.3	6,938.8	6,938.8	94.8	138.9	-90.37	-6,284.3	78.1	2,081.4	1,849.5	231.93	8.974	
11,712.6	6,964.2	6,938.7	6,938.7	95.1	138.9	-90.37	-6,284.3	78.1	2,071.4	1,839.2	232.18	8.922	
11,800.0	6,963.8	6,938.3	6,938.3	96.7	138.9	-90.35	-6,284.3	78.1	2,002.5	1,768.7	233.88	8.562	
11,811.0	6,963.7	6,938.2	6,938.2	97.0	138.9	-90.35	-6,284.3	78.1	1,994.0	1,759.9	234.09	8.518	
11,900.0	6,963.3	6,937.8	6,937.8	98.7	138.9	-90.33	-6,284.3	78.1	1,925.6	1,689.8	235.82	8.166	
11,909.4	6,963.2	6,937.7	6,937.7	98.9	138.9	-90.33	-6,284.3	78.1	1,918.5	1,682.5	236.01	8.129	
12,000.0	6,962.8	6,937.3	6,937.3	100.6	138.9	-90.31	-6,284.3	78.1	1,850.9	1,613.1	237.77	7.784	
12,007.8	6,962.7	6,937.2	6,937.2	100.7	138.9	-90.31	-6,284.3	78.1	1,845.2	1,607.2	237.92	7.755	
12,100.0	6,962.3	6,936.8	6,936.8	102.5	138.9	-90.28	-6,284.3	78.1	1,778.7	1,539.0	239.72	7.420	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,106.3	6,962.2	6,936.7	6,936.7	102.6	138.9	-90.28	-6,284.3	78.1	1,774.3	1,534.4	239.84	7.398	
12,200.0	6,961.8	6,936.3	6,936.3	104.5	138.9	-90.26	-6,284.3	78.1	1,709.3	1,467.6	241.67	7.073	
12,204.7	6,961.8	6,936.3	6,936.3	104.5	138.9	-90.26	-6,284.3	78.1	1,706.1	1,464.3	241.76	7.057	
12,300.0	6,961.3	6,935.8	6,935.8	106.4	138.9	-90.24	-6,284.3	78.1	1,643.0	1,399.4	243.62	6.744	
12,303.1	6,961.3	6,935.8	6,935.8	106.4	138.9	-90.24	-6,284.3	78.1	1,641.0	1,397.3	243.68	6.734	
12,400.0	6,960.8	6,935.3	6,935.3	108.3	138.9	-90.22	-6,284.3	78.1	1,580.3	1,334.7	245.57	6.435	
12,401.5	6,960.8	6,935.3	6,935.3	108.3	138.9	-90.22	-6,284.3	78.1	1,579.4	1,333.8	245.60	6.431	
12,500.0	6,960.3	6,934.8	6,934.8	110.3	138.9	-90.19	-6,284.3	78.1	1,521.6	1,274.1	247.53	6.147	
12,598.4	6,959.8	6,934.3	6,934.3	112.2	138.9	-90.17	-6,284.3	78.1	1,468.2	1,218.8	249.45	5.886	
12,600.0	6,959.8	6,934.3	6,934.3	112.2	138.8	-90.17	-6,284.3	78.1	1,467.4	1,217.9	249.48	5.882	
12,696.8	6,959.3	6,933.8	6,933.8	114.1	138.8	-90.15	-6,284.3	78.1	1,419.6	1,168.2	251.37	5.647	
12,700.0	6,959.3	6,933.8	6,933.8	114.1	138.8	-90.15	-6,284.3	78.1	1,418.1	1,166.7	251.44	5.640	
12,795.2	6,958.8	6,933.3	6,933.3	116.0	138.8	-90.13	-6,284.3	78.1	1,376.3	1,123.0	253.30	5.434	
12,800.0	6,958.8	6,933.3	6,933.3	116.1	138.8	-90.13	-6,284.3	78.1	1,374.4	1,121.0	253.39	5.424	
12,893.7	6,958.3	6,932.8	6,932.8	117.9	138.8	-90.11	-6,284.3	78.1	1,338.9	1,083.7	255.22	5.246	
12,900.0	6,958.3	6,932.8	6,932.8	118.0	138.8	-90.10	-6,284.3	78.1	1,336.7	1,081.4	255.35	5.235	
12,992.1	6,957.9	6,932.4	6,932.4	119.8	138.8	-90.08	-6,284.3	78.1	1,307.8	1,050.7	257.15	5.086	
13,000.0	6,957.8	6,932.3	6,932.3	120.0	138.8	-90.08	-6,284.3	78.1	1,305.6	1,048.3	257.31	5.074	
13,090.5	6,957.4	6,931.9	6,931.9	121.7	138.8	-90.06	-6,284.3	78.1	1,283.6	1,024.5	259.08	4.954	
13,100.0	6,957.3	6,931.8	6,931.8	121.9	138.8	-90.06	-6,284.3	78.1	1,281.6	1,022.4	259.26	4.943	
13,188.9	6,956.9	6,931.4	6,931.4	123.6	138.8	-90.04	-6,284.3	78.1	1,266.5	1,005.5	261.01	4.853	
13,200.0	6,956.8	6,931.3	6,931.3	123.9	138.8	-90.04	-6,284.3	78.1	1,265.1	1,003.9	261.22	4.843	
13,287.4	6,956.4	6,930.9	6,930.9	125.6	138.8	-90.02	-6,284.3	78.1	1,257.0	994.1	262.93	4.781	
13,300.0	6,956.3	6,930.8	6,930.8	125.8	138.8	-90.01	-6,284.3	78.1	1,256.3	993.1	263.18	4.774	
13,360.6	6,956.0	6,930.5	6,930.5	127.0	138.8	-90.00	-6,284.3	78.1	1,254.9	990.5	264.37	4.747 CC	
13,385.8	6,955.9	6,930.4	6,930.4	127.5	138.8	-89.99	-6,284.3	78.1	1,255.1	990.2	264.86	4.739 ES	
13,400.0	6,955.8	6,930.3	6,930.3	127.8	138.8	-89.99	-6,284.3	78.1	1,255.5	990.3	265.14	4.735	
13,484.2	6,955.4	6,929.9	6,929.9	129.4	138.8	-89.97	-6,284.3	78.1	1,260.9	994.1	266.79	4.726 SF	
13,500.0	6,955.3	6,929.8	6,929.8	129.7	138.8	-89.97	-6,284.3	78.1	1,262.6	995.5	267.10	4.727	
13,582.6	6,954.9	6,929.4	6,929.4	131.3	138.8	-89.95	-6,284.3	78.1	1,274.3	1,005.6	268.72	4.742	
13,600.0	6,954.8	6,929.3	6,929.3	131.7	138.8	-89.95	-6,284.3	78.1	1,277.5	1,008.4	269.06	4.748	
13,681.1	6,954.4	6,928.9	6,928.9	133.2	138.7	-89.93	-6,284.3	78.1	1,295.1	1,024.5	270.65	4.785	
13,700.0	6,954.3	6,928.8	6,928.8	133.6	138.7	-89.92	-6,284.3	78.1	1,299.9	1,028.9	271.03	4.796	
13,779.5	6,953.9	6,928.4	6,928.4	135.2	138.7	-89.90	-6,284.3	78.1	1,322.9	1,050.3	272.59	4.853	
13,800.0	6,953.8	6,928.3	6,928.3	135.6	138.7	-89.90	-6,284.3	78.1	1,329.6	1,056.6	272.99	4.870	
13,877.9	6,953.5	6,928.0	6,928.0	137.1	138.7	-89.88	-6,284.3	78.1	1,357.3	1,082.8	274.52	4.944	
13,900.0	6,953.3	6,927.8	6,927.8	137.5	138.7	-89.88	-6,284.3	78.1	1,365.9	1,090.9	274.95	4.968	
13,976.3	6,953.0	6,927.5	6,927.5	139.0	138.7	-89.86	-6,284.3	78.1	1,397.8	1,121.3	276.45	5.056	
14,000.0	6,952.8	6,927.3	6,927.3	139.5	138.7	-89.85	-6,284.3	78.1	1,408.4	1,131.4	276.91	5.086	
14,074.8	6,952.5	6,927.0	6,927.0	140.9	138.7	-89.84	-6,284.3	78.1	1,443.8	1,165.5	278.38	5.187	
14,100.0	6,952.4	6,926.9	6,926.9	141.4	138.7	-89.83	-6,284.3	78.1	1,456.5	1,177.6	278.88	5.223	
14,170.4	6,952.0	6,926.5	6,926.5	142.8	138.7	-89.82	-6,284.3	78.1	1,493.4	1,213.2	280.20	5.330	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	-171.55	-4,222.3	-627.5	4,269.0				
98.4	98.4	53.3	53.3	0.1	0.1	-171.55	-4,222.3	-627.4	4,268.6	4,268.5	0.15	N/A	
100.0	100.0	55.2	55.2	0.1	0.1	-171.55	-4,222.3	-627.4	4,268.6	4,268.5	0.15	N/A	
196.8	196.8	157.0	157.0	0.3	0.1	-171.55	-4,222.0	-626.9	4,268.3	4,267.8	0.46	9,349.918	
200.0	200.0	160.0	160.0	0.3	0.1	-171.55	-4,222.0	-626.9	4,268.3	4,267.8	0.47	9,165.884	
295.3	295.3	248.6	248.6	0.5	0.2	-171.55	-4,221.7	-627.0	4,268.0	4,267.2	0.75	5,654.523	
300.0	300.0	253.0	253.0	0.5	0.2	-171.55	-4,221.7	-627.0	4,268.0	4,267.2	0.77	5,545.659	
393.7	393.7	344.6	344.6	0.8	0.3	-171.55	-4,221.6	-627.1	4,267.9	4,266.8	1.06	4,032.512	
400.0	400.0	351.2	351.2	0.8	0.3	-171.55	-4,221.6	-627.1	4,267.9	4,266.8	1.08	3,961.461	
492.1	492.1	447.3	447.3	1.0	0.4	-171.55	-4,221.4	-627.3	4,267.7	4,266.4	1.33	3,200.631	
500.0	500.0	455.4	455.4	1.0	0.4	-171.55	-4,221.3	-627.3	4,267.7	4,266.3	1.35	3,153.204	
590.5	590.5	549.6	549.6	1.2	0.4	-171.55	-4,221.1	-627.1	4,267.4	4,265.9	1.59	2,680.103	
600.0	600.0	559.5	559.5	1.2	0.4	-171.55	-4,221.1	-627.1	4,267.4	4,265.8	1.62	2,637.493	
689.0	689.0	649.0	649.0	1.4	0.5	-171.55	-4,220.7	-627.1	4,267.1	4,265.2	1.86	2,294.747	
700.0	700.0	659.7	659.7	1.4	0.5	-171.55	-4,220.7	-627.1	4,267.1	4,265.2	1.89	2,258.443	
787.4	787.4	740.1	740.1	1.6	0.5	-171.55	-4,220.5	-627.0	4,266.8	4,264.7	2.11	2,017.637	
800.0	800.0	751.1	751.1	1.7	0.5	-171.55	-4,220.5	-627.0	4,266.8	4,264.7	2.15	1,988.527	
844.0	844.0	789.5	789.5	1.8	0.5	-171.55	-4,220.5	-626.9	4,266.8	4,264.5	2.25	1,893.003	
885.8	885.8	828.6	828.6	1.9	0.5	-171.55	-4,220.5	-626.9	4,266.8	4,264.4	2.35	1,814.495	
900.0	900.0	842.3	842.3	1.9	0.5	-171.55	-4,220.5	-626.9	4,266.8	4,264.4	2.38	1,789.904	
984.2	984.2	924.1	924.1	2.1	0.5	-171.55	-4,220.6	-627.0	4,266.9	4,264.3	2.58	1,654.381	
1,000.0	1,000.0	939.7	939.7	2.1	0.5	-171.55	-4,220.6	-627.1	4,266.9	4,264.3	2.62	1,630.343	
1,082.7	1,082.7	1,021.9	1,021.8	2.3	0.5	-94.23	-4,220.7	-627.1	4,267.1	4,264.3	2.83	1,509.687	
1,100.0	1,100.0	1,039.1	1,039.0	2.3	0.5	-94.24	-4,220.7	-627.1	4,267.2	4,264.3	2.87	1,488.918	
1,181.1	1,181.0	1,123.2	1,123.2	2.5	0.5	-94.29	-4,220.8	-627.3	4,267.6	4,264.6	3.05	1,400.999	
1,200.0	1,199.8	1,145.6	1,145.6	2.5	0.5	-94.30	-4,220.8	-627.4	4,267.7	4,264.6	3.09	1,382.466	
1,279.5	1,279.1	1,223.8	1,223.8	2.7	0.5	-94.38	-4,220.7	-627.3	4,268.1	4,264.9	3.27	1,305.235	
1,300.0	1,299.5	1,238.4	1,238.4	2.8	0.5	-94.40	-4,220.8	-627.3	4,268.3	4,265.0	3.32	1,286.710	
1,377.9	1,376.9	1,300.0	1,300.0	3.0	0.6	-94.48	-4,221.0	-627.2	4,269.4	4,265.8	3.51	1,215.080	
1,400.0	1,398.7	1,312.5	1,312.5	3.0	0.6	-94.49	-4,221.1	-627.2	4,269.7	4,266.2	3.57	1,195.290	
1,476.4	1,474.2	1,384.6	1,384.6	3.2	0.6	-94.61	-4,221.7	-627.1	4,271.3	4,267.5	3.81	1,121.834	
1,500.0	1,497.5	1,407.5	1,407.5	3.3	0.6	-94.65	-4,221.9	-627.1	4,271.8	4,267.9	3.88	1,100.944	
1,574.8	1,571.0	1,484.1	1,484.1	3.5	0.6	-94.81	-4,222.5	-627.2	4,273.6	4,269.4	4.14	1,032.596	
1,600.0	1,595.6	1,509.0	1,509.0	3.6	0.6	-94.86	-4,222.7	-627.4	4,274.2	4,270.0	4.23	1,011.443	
1,673.2	1,667.0	1,576.6	1,576.6	3.9	0.6	-95.02	-4,223.2	-627.6	4,276.2	4,271.7	4.51	947.185	
1,700.0	1,693.1	1,601.3	1,601.2	4.0	0.6	-95.08	-4,223.4	-627.6	4,277.0	4,272.4	4.62	925.680	
1,735.7	1,727.6	1,635.7	1,635.7	4.1	0.7	-95.17	-4,223.7	-627.7	4,278.2	4,273.4	4.78	895.822	
1,771.6	1,762.4	1,670.4	1,670.4	4.3	0.7	-95.29	-4,224.0	-627.8	4,279.4	4,274.4	4.94	866.435	
1,800.0	1,789.8	1,697.7	1,697.7	4.4	0.7	-95.38	-4,224.2	-627.9	4,280.3	4,275.3	5.07	844.601	
1,870.1	1,857.6	1,772.1	1,772.1	4.7	0.7	-95.62	-4,224.8	-628.4	4,282.7	4,277.3	5.40	792.717	
1,900.0	1,886.6	1,803.4	1,803.4	4.8	0.7	-95.73	-4,224.9	-628.7	4,283.7	4,278.1	5.55	772.451	
1,968.5	1,952.8	1,866.3	1,866.3	5.2	0.7	-95.93	-4,225.3	-629.2	4,286.0	4,280.1	5.88	728.535	
2,000.0	1,983.3	1,895.3	1,895.2	5.3	0.7	-96.03	-4,225.5	-629.4	4,287.1	4,281.1	6.04	709.995	
2,066.9	2,048.0	1,981.0	1,981.0	5.6	0.8	-96.31	-4,225.9	-630.2	4,289.4	4,283.0	6.38	672.204	
2,100.0	2,080.0	2,025.9	2,025.8	5.8	0.8	-96.45	-4,225.9	-630.8	4,290.4	4,283.8	6.55	654.970	
2,165.3	2,143.2	2,111.5	2,111.4	6.1	0.8	-96.73	-4,225.5	-632.0	4,292.1	4,285.2	6.89	622.788	
2,200.0	2,176.7	2,144.1	2,144.0	6.3	0.8	-96.83	-4,225.3	-632.5	4,293.0	4,286.0	7.07	607.250	
2,263.8	2,238.4	2,204.1	2,204.0	6.6	0.8	-97.02	-4,225.0	-633.2	4,294.7	4,287.3	7.40	580.194	
2,300.0	2,273.4	2,238.9	2,238.8	6.8	0.8	-97.13	-4,224.7	-633.7	4,295.7	4,288.1	7.59	565.878	
2,362.2	2,333.6	2,298.8	2,298.7	7.1	0.9	-97.32	-4,224.4	-634.6	4,297.5	4,289.6	7.92	542.610	
2,400.0	2,370.2	2,330.9	2,330.8	7.3	0.9	-97.42	-4,224.2	-635.2	4,298.6	4,290.5	8.12	529.472	
2,460.6	2,428.8	2,382.3	2,382.2	7.6	0.9	-97.58	-4,224.0	-636.3	4,300.5	4,292.1	8.44	509.511	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 18-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,500.0	2,466.9	2,415.6	2,415.5	7.8	0.9	-97.68	-4,223.9	-637.2	4,301.8	4,293.2	8.65	497.353	
2,559.0	2,524.0	2,465.5	2,465.4	8.1	0.9	-97.83	-4,223.7	-638.5	4,303.9	4,295.0	8.97	480.060	
2,600.0	2,563.6	2,500.1	2,500.0	8.3	0.9	-97.93	-4,223.7	-639.5	4,305.5	4,296.3	9.18	468.781	
2,657.5	2,619.2	2,559.3	2,559.1	8.6	1.0	-98.11	-4,223.7	-641.2	4,307.7	4,298.2	9.50	453.641	
2,700.0	2,660.3	2,602.8	2,602.6	8.8	1.0	-98.24	-4,223.6	-642.5	4,309.3	4,299.6	9.73	443.072	
2,755.9	2,714.4	2,654.7	2,654.5	9.1	1.0	-98.39	-4,223.6	-644.2	4,311.5	4,301.4	10.03	429.921	
2,800.0	2,757.0	2,695.7	2,695.5	9.4	1.0	-98.51	-4,223.5	-645.4	4,313.2	4,303.0	10.27	420.103	
2,854.3	2,809.6	2,750.5	2,750.3	9.6	1.0	-98.67	-4,223.5	-647.1	4,315.4	4,304.9	10.56	408.548	
2,900.0	2,853.8	2,796.9	2,796.6	9.9	1.0	-98.81	-4,223.5	-648.3	4,317.3	4,306.5	10.81	399.328	
2,952.7	2,904.8	2,847.7	2,847.4	10.2	1.0	-98.96	-4,223.4	-649.6	4,319.5	4,308.4	11.10	389.191	
3,000.0	2,950.5	2,893.0	2,892.7	10.4	1.1	-99.10	-4,223.4	-650.8	4,321.5	4,310.1	11.36	380.556	
3,051.2	3,000.0	2,954.3	2,954.0	10.7	1.1	-99.28	-4,223.3	-652.3	4,323.6	4,311.9	11.64	371.551	
3,100.0	3,047.2	3,011.0	3,010.7	10.9	1.1	-99.45	-4,223.0	-653.8	4,325.5	4,313.6	11.90	363.369	
3,149.6	3,095.2	3,056.6	3,056.2	11.2	1.1	-99.59	-4,222.8	-654.9	4,327.5	4,315.3	12.17	355.468	
3,200.0	3,143.9	3,104.2	3,103.9	11.5	1.1	-99.73	-4,222.6	-655.9	4,329.5	4,317.1	12.45	347.800	
3,248.0	3,190.4	3,170.2	3,169.8	11.7	1.2	-99.93	-4,222.1	-657.3	4,331.4	4,318.7	12.71	340.706	
3,300.0	3,240.6	3,228.5	3,228.1	12.0	1.2	-100.11	-4,221.6	-658.5	4,333.2	4,320.2	13.00	333.399	
3,346.4	3,285.6	3,272.3	3,271.9	12.3	1.2	-100.24	-4,221.1	-659.4	4,334.9	4,321.7	13.25	327.157	
3,400.0	3,337.4	3,322.6	3,322.2	12.5	1.2	-100.39	-4,220.6	-660.6	4,336.9	4,323.4	13.54	320.258	
3,444.9	3,380.8	3,364.4	3,363.9	12.8	1.2	-100.52	-4,220.2	-661.6	4,338.7	4,324.9	13.79	314.694	
3,500.0	3,434.1	3,416.2	3,415.8	13.1	1.2	-100.67	-4,219.7	-662.9	4,340.8	4,326.8	14.09	308.132	
3,543.3	3,476.0	3,457.9	3,457.4	13.3	1.2	-100.80	-4,219.3	-663.9	4,342.6	4,328.3	14.32	303.166	
3,600.0	3,530.8	3,512.2	3,511.8	13.6	1.3	-100.96	-4,218.8	-665.2	4,344.9	4,330.3	14.63	296.915	
3,641.7	3,571.2	3,551.9	3,551.4	13.8	1.3	-101.08	-4,218.5	-666.2	4,346.7	4,331.8	14.86	292.482	
3,700.0	3,627.5	3,608.0	3,607.4	14.2	1.3	-101.24	-4,218.0	-667.6	4,349.1	4,334.0	15.18	286.520	
3,740.1	3,666.4	3,649.5	3,649.0	14.4	1.3	-101.37	-4,217.7	-668.6	4,350.9	4,335.5	15.40	282.548	
3,800.0	3,724.2	3,700.0	3,699.4	14.7	1.3	-101.52	-4,217.2	-670.0	4,353.4	4,337.7	15.72	276.864	
3,838.6	3,761.6	3,738.2	3,737.6	14.9	1.3	-101.63	-4,216.9	-670.9	4,355.2	4,339.2	15.93	273.311	
3,900.0	3,821.0	3,785.3	3,784.8	15.2	1.4	-101.77	-4,216.6	-671.6	4,358.1	4,341.8	16.27	267.889	
3,937.0	3,856.8	3,816.7	3,816.1	15.4	1.4	-101.87	-4,216.5	-672.0	4,359.9	4,343.5	16.47	264.729	
4,000.0	3,917.7	3,875.6	3,875.1	15.8	1.4	-102.06	-4,216.3	-672.6	4,363.2	4,346.3	16.81	259.521	
4,035.4	3,951.9	3,900.0	3,899.4	16.0	1.4	-102.13	-4,216.2	-672.9	4,365.0	4,348.0	17.00	256.702	
4,100.0	4,014.4	3,956.0	3,955.5	16.3	1.4	-102.31	-4,216.2	-673.6	4,368.6	4,351.2	17.35	251.730	
4,133.8	4,047.1	3,981.7	3,981.1	16.5	1.4	-102.39	-4,216.2	-673.9	4,370.5	4,353.0	17.54	249.213	
4,200.0	4,111.1	4,058.6	4,058.0	16.9	1.4	-102.62	-4,216.4	-674.9	4,374.4	4,356.5	17.90	244.431	
4,232.3	4,142.3	4,100.0	4,099.4	17.0	1.4	-102.75	-4,216.3	-675.4	4,376.2	4,358.2	18.07	242.159	
4,300.0	4,207.8	4,157.4	4,156.8	17.4	1.5	-102.93	-4,216.2	-675.9	4,380.0	4,361.6	18.44	237.571	
4,330.7	4,237.5	4,182.4	4,181.8	17.6	1.5	-103.01	-4,216.2	-676.0	4,381.8	4,363.2	18.60	235.555	
4,400.0	4,304.6	4,246.7	4,246.1	17.9	1.5	-103.22	-4,216.3	-676.3	4,386.0	4,367.0	18.98	231.133	
4,429.1	4,332.7	4,275.3	4,274.7	18.1	1.5	-103.31	-4,216.3	-676.4	4,387.8	4,368.7	19.13	229.325	
4,500.0	4,401.3	4,350.1	4,349.5	18.5	1.5	-103.55	-4,216.3	-676.6	4,392.1	4,372.6	19.52	225.060	
4,527.5	4,427.9	4,380.3	4,379.7	18.6	1.5	-103.64	-4,216.3	-676.8	4,393.8	4,374.1	19.66	223.449	
4,600.0	4,498.0	4,448.6	4,448.0	19.0	1.6	-103.86	-4,216.2	-677.0	4,398.2	4,378.1	20.05	219.326	
4,626.0	4,523.1	4,471.7	4,471.1	19.2	1.6	-103.93	-4,216.2	-677.1	4,399.8	4,379.6	20.19	217.889	
4,700.0	4,594.7	4,553.6	4,553.0	19.6	1.6	-104.19	-4,216.1	-677.2	4,404.5	4,383.9	20.59	213.938	
4,724.4	4,618.3	4,584.6	4,584.0	19.7	1.6	-104.29	-4,216.0	-677.2	4,405.9	4,385.2	20.72	212.675	
4,800.0	4,691.5	4,677.5	4,676.9	20.1	1.6	-104.59	-4,215.4	-677.4	4,410.3	4,389.2	21.12	208.790	
4,822.8	4,713.5	4,704.0	4,703.4	20.2	1.6	-104.67	-4,215.1	-677.5	4,411.6	4,390.4	21.25	207.642	
4,900.0	4,788.2	4,773.5	4,772.9	20.7	1.6	-104.89	-4,214.5	-677.9	4,416.0	4,394.4	21.66	203.862	
4,921.2	4,808.7	4,792.7	4,792.1	20.8	1.6	-104.95	-4,214.3	-678.0	4,417.3	4,395.5	21.78	202.849	
5,000.0	4,884.9	4,859.9	4,859.3	21.2	1.7	-105.16	-4,213.8	-678.3	4,422.0	4,399.8	22.20	199.193	
5,019.7	4,903.9	4,876.5	4,875.9	21.3	1.7	-105.21	-4,213.7	-678.3	4,423.2	4,400.9	22.31	198.304	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 18-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	5,400.0	5,399.4	26.8	1.7	-8.39	-4,211.7	-674.9	4,390.5	4,370.9	19.55	224.604	
7,185.0	6,899.5	5,400.0	5,399.4	26.8	1.7	-8.75	-4,211.7	-674.9	4,367.6	4,348.8	18.83	232.008	
7,200.0	6,906.5	5,400.0	5,399.4	26.9	1.7	-8.92	-4,211.7	-674.9	4,357.5	4,339.0	18.52	235.296	
7,250.0	6,927.6	5,400.0	5,399.4	26.9	1.7	-9.56	-4,211.7	-674.9	4,322.3	4,304.8	17.50	246.931	
7,283.4	6,940.0	5,400.0	5,399.4	27.0	1.7	-10.06	-4,211.7	-674.9	4,297.6	4,280.7	16.85	255.071	
7,300.0	6,945.5	5,400.0	5,399.4	27.0	1.7	-10.33	-4,211.7	-674.9	4,285.0	4,268.5	16.53	259.148	
7,350.0	6,960.2	5,400.0	5,399.4	27.1	1.7	-11.28	-4,211.7	-674.9	4,245.7	4,230.1	15.65	271.267	
7,381.9	6,967.8	5,400.0	5,399.4	27.2	1.7	-12.01	-4,211.7	-674.9	4,219.8	4,204.6	15.16	278.435	
7,400.0	6,971.5	5,400.0	5,399.4	27.2	1.7	-12.47	-4,211.7	-674.9	4,204.7	4,189.8	14.90	282.185	
7,450.0	6,979.3	5,400.0	5,399.4	27.4	1.7	-13.98	-4,211.7	-674.9	4,161.9	4,147.6	14.33	290.423	
7,480.3	6,982.4	5,400.0	5,399.4	27.5	1.7	-15.11	-4,211.7	-674.9	4,135.2	4,121.1	14.09	293.407	
7,500.0	6,983.7	5,400.0	5,399.4	27.5	1.7	-15.96	-4,211.7	-674.9	4,117.6	4,103.6	13.99	294.424	
7,541.4	6,984.7	5,400.0	5,399.4	27.7	1.7	-18.09	-4,211.7	-674.9	4,079.9	4,066.0	13.89	293.713	
7,578.7	6,984.5	5,400.0	5,399.4	27.9	1.7	-18.09	-4,211.7	-674.9	4,045.6	4,031.5	14.07	287.502	
7,600.0	6,984.4	5,400.0	5,399.4	28.0	1.7	-18.09	-4,211.7	-674.9	4,026.0	4,011.9	14.17	284.036	
7,677.1	6,984.0	5,400.0	5,399.4	28.5	1.7	-18.09	-4,211.7	-674.9	3,955.3	3,940.7	14.58	271.324	
7,700.0	6,983.9	5,400.0	5,399.4	28.6	1.7	-18.09	-4,211.7	-674.9	3,934.4	3,919.7	14.70	267.700	
7,775.6	6,983.5	5,400.0	5,399.4	29.2	1.7	-18.09	-4,211.7	-674.9	3,865.4	3,850.2	15.13	255.515	
7,800.0	6,983.4	5,400.0	5,399.4	29.4	1.7	-18.09	-4,211.7	-674.9	3,843.1	3,827.9	15.27	251.732	
7,874.0	6,983.1	5,400.0	5,399.4	30.0	1.7	-18.09	-4,211.7	-674.9	3,775.9	3,760.2	15.73	240.109	
7,900.0	6,982.9	5,400.0	5,399.4	30.3	1.7	-18.09	-4,211.7	-674.9	3,752.3	3,736.4	15.89	236.193	
7,972.4	6,982.6	5,400.0	5,399.4	31.0	1.7	-18.09	-4,211.7	-674.9	3,686.9	3,670.5	16.37	225.270	
8,000.0	6,982.4	5,400.0	5,399.4	31.3	1.7	-18.09	-4,211.7	-674.9	3,662.0	3,645.5	16.55	221.286	
8,070.8	6,982.1	5,400.0	5,399.4	32.1	1.7	-18.09	-4,211.7	-674.9	3,598.3	3,581.3	17.04	211.131	
8,100.0	6,982.0	5,400.0	5,399.4	32.4	1.7	-18.09	-4,211.7	-674.9	3,572.2	3,555.0	17.25	207.132	
8,169.3	6,981.6	5,400.0	5,399.4	33.2	1.7	-18.09	-4,211.7	-674.9	3,510.3	3,492.6	17.75	197.765	
8,200.0	6,981.5	5,400.0	5,399.4	33.6	1.7	-18.09	-4,211.7	-674.9	3,483.0	3,465.0	17.97	193.789	
8,267.7	6,981.1	5,400.0	5,399.4	34.5	1.7	-18.09	-4,211.7	-674.9	3,422.9	3,404.4	18.48	185.197	
8,300.0	6,981.0	5,400.0	5,399.4	34.9	1.7	-18.09	-4,211.7	-674.9	3,394.3	3,375.6	18.72	181.274	
8,366.1	6,980.7	5,400.0	5,399.4	35.8	1.7	-18.09	-4,211.7	-674.9	3,336.0	3,316.8	19.24	173.425	
8,400.0	6,980.5	5,400.0	5,399.4	36.3	1.7	-18.09	-4,211.7	-674.9	3,306.3	3,286.8	19.50	169.575	
8,464.5	6,980.2	5,400.0	5,399.4	37.2	1.7	-18.09	-4,211.7	-674.9	3,249.9	3,229.9	20.01	162.426	
8,500.0	6,980.0	5,400.0	5,399.4	37.7	1.7	-18.09	-4,211.7	-674.9	3,219.0	3,198.7	20.29	158.663	
8,563.0	6,979.7	5,400.0	5,399.4	38.6	1.7	-18.09	-4,211.7	-674.9	3,164.4	3,143.6	20.80	152.164	
8,600.0	6,979.5	5,400.0	5,399.4	39.1	1.7	-18.09	-4,211.7	-674.9	3,132.5	3,111.4	21.09	148.499	
8,661.4	6,979.2	5,400.0	5,399.4	40.1	1.7	-18.09	-4,211.7	-674.9	3,079.7	3,058.1	21.60	142.598	
8,700.0	6,979.0	5,400.0	5,399.4	40.7	1.7	-18.09	-4,211.7	-674.9	3,046.8	3,024.8	21.91	139.038	
8,759.8	6,978.7	5,400.0	5,399.4	41.6	1.7	-18.09	-4,211.7	-674.9	2,995.9	2,973.5	22.41	133.685	
8,800.0	6,978.5	5,400.0	5,399.4	42.2	1.7	-18.09	-4,211.7	-674.9	2,961.9	2,939.2	22.74	130.233	
8,858.2	6,978.2	5,400.0	5,399.4	43.1	1.7	-18.09	-4,211.7	-674.9	2,913.0	2,889.7	23.23	125.382	
8,900.0	6,978.0	5,400.0	5,399.4	43.8	1.7	-18.09	-4,211.7	-674.9	2,878.1	2,854.5	23.58	122.040	
8,956.7	6,977.8	5,400.0	5,399.4	44.7	1.7	-18.09	-4,211.7	-674.9	2,831.0	2,807.0	24.06	117.645	
9,000.0	6,977.5	5,400.0	5,399.4	45.4	1.7	-18.09	-4,211.7	-674.9	2,795.3	2,770.9	24.43	114.414	
9,055.1	6,977.3	5,400.0	5,399.4	46.3	1.7	-18.09	-4,211.7	-674.9	2,750.2	2,725.3	24.90	110.434	
9,100.0	6,977.1	5,400.0	5,399.4	47.1	1.7	-18.09	-4,211.7	-674.9	2,713.7	2,688.4	25.29	107.314	
9,153.5	6,976.8	5,400.0	5,399.4	48.0	1.7	-18.09	-4,211.7	-674.9	2,670.5	2,644.8	25.75	103.713	
9,200.0	6,976.6	5,400.0	5,399.4	48.8	1.7	-18.09	-4,211.7	-674.9	2,633.3	2,607.2	26.15	100.703	
9,251.9	6,976.3	5,400.0	5,399.4	49.7	1.7	-18.09	-4,211.7	-674.9	2,592.1	2,565.5	26.60	97.446	
9,300.0	6,976.1	5,400.0	5,399.4	50.5	1.7	-18.09	-4,211.7	-674.9	2,554.4	2,527.3	27.02	94.544	
9,350.4	6,975.8	5,400.0	5,399.4	51.3	1.7	-18.09	-4,211.7	-674.9	2,515.1	2,487.7	27.46	91.601	
9,400.0	6,975.6	5,400.0	5,399.4	52.2	1.7	-18.09	-4,211.7	-674.9	2,476.9	2,449.0	27.89	88.808	
9,448.8	6,975.3	5,400.0	5,399.4	53.1	1.7	-18.09	-4,211.7	-674.9	2,439.7	2,411.4	28.32	86.151	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 18-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,500.0	6,975.1	5,400.0	5,399.4	54.0	1.7	-18.09	-4,211.7	-674.9	2,401.1	2,372.4	28.77	83.464	
9,547.2	6,974.9	5,400.0	5,399.4	54.8	1.7	-18.09	-4,211.7	-674.9	2,366.0	2,336.8	29.18	81.068	
9,600.0	6,974.6	5,400.0	5,399.4	55.7	1.7	-18.09	-4,211.7	-674.9	2,327.2	2,297.5	29.65	78.488	
9,645.6	6,974.4	5,400.0	5,399.4	56.5	1.7	-18.09	-4,211.7	-674.9	2,294.1	2,264.0	30.05	76.331	
9,700.0	6,974.1	5,400.0	5,399.4	57.5	1.7	-18.09	-4,211.7	-674.9	2,255.2	2,224.7	30.54	73.857	
9,744.1	6,973.9	5,400.0	5,399.4	58.3	1.7	-18.09	-4,211.7	-674.9	2,224.2	2,193.3	30.93	71.918	
9,800.0	6,973.6	5,400.0	5,399.4	59.3	1.7	-18.09	-4,211.7	-674.9	2,185.5	2,154.1	31.42	69.549	
9,842.5	6,973.4	5,400.0	5,399.4	60.0	1.7	-18.09	-4,211.7	-674.9	2,156.6	2,124.8	31.80	67.811	
9,900.0	6,973.1	5,400.0	5,399.4	61.1	1.7	-18.09	-4,211.7	-674.9	2,118.2	2,085.9	32.32	65.548	
9,940.9	6,972.9	5,400.0	5,399.4	61.8	1.7	-18.09	-4,211.7	-674.9	2,091.4	2,058.7	32.68	63.994	
10,000.0	6,972.6	5,400.0	5,399.4	62.9	1.7	-18.09	-4,211.7	-674.9	2,053.6	2,020.4	33.21	61.837	
10,039.3	6,972.4	5,400.0	5,399.4	63.6	1.7	-18.09	-4,211.7	-674.9	2,028.9	1,995.4	33.56	60.452	
10,100.0	6,972.1	5,400.0	5,399.4	64.7	1.7	-18.09	-4,211.7	-674.9	1,991.9	1,957.7	34.11	58.402	
10,137.8	6,972.0	5,400.0	5,399.4	65.4	1.7	-18.09	-4,211.7	-674.9	1,969.4	1,934.9	34.45	57.173	
10,200.0	6,971.6	5,400.0	5,399.4	66.6	1.7	-18.09	-4,211.7	-674.9	1,933.3	1,898.3	35.00	55.231	
10,236.2	6,971.5	5,400.0	5,399.4	67.2	1.7	-18.09	-4,211.7	-674.9	1,913.0	1,877.7	35.33	54.145	
10,300.0	6,971.2	5,400.0	5,399.4	68.4	1.7	-18.09	-4,211.7	-674.9	1,878.3	1,842.4	35.91	52.313	
10,334.6	6,971.0	5,400.0	5,399.4	69.0	1.7	-18.09	-4,211.7	-674.9	1,860.2	1,823.9	36.22	51.360	
10,400.0	6,970.7	5,400.0	5,399.4	70.2	1.7	-18.09	-4,211.7	-674.9	1,827.2	1,790.3	36.81	49.640	
10,433.0	6,970.5	5,400.0	5,399.4	70.9	1.7	-18.09	-4,211.7	-674.9	1,811.1	1,774.0	37.11	48.808	
10,500.0	6,970.2	5,400.0	5,399.4	72.1	1.7	-18.09	-4,211.7	-674.9	1,780.1	1,742.4	37.71	47.202	
10,531.5	6,970.0	5,400.0	5,399.4	72.7	1.7	-18.09	-4,211.7	-674.9	1,766.2	1,728.2	38.00	46.482	
10,600.0	6,969.7	5,400.0	5,399.4	74.0	1.7	-18.09	-4,211.7	-674.9	1,737.6	1,699.0	38.62	44.993	
10,629.9	6,969.5	5,400.0	5,399.4	74.5	1.7	-18.09	-4,211.7	-674.9	1,725.8	1,686.9	38.89	44.376	
10,700.0	6,969.2	5,400.0	5,399.4	75.8	1.7	-18.09	-4,211.7	-674.9	1,699.9	1,660.3	39.53	43.006	
10,728.3	6,969.0	5,400.0	5,399.4	76.4	1.7	-18.09	-4,211.7	-674.9	1,690.1	1,650.3	39.78	42.482	
10,800.0	6,968.7	5,400.0	5,399.4	77.7	1.7	-18.09	-4,211.7	-674.9	1,667.3	1,626.9	40.43	41.234	
10,826.7	6,968.6	5,400.0	5,399.4	78.2	1.7	-18.09	-4,211.7	-674.9	1,659.5	1,618.8	40.68	40.796	
10,900.0	6,968.2	5,400.0	5,399.4	79.6	1.7	-18.09	-4,211.7	-674.9	1,640.2	1,598.8	41.34	39.671	
10,925.2	6,968.1	5,400.0	5,399.4	80.1	1.7	-18.09	-4,211.7	-674.9	1,634.2	1,592.7	41.57	39.309	
11,000.0	6,967.7	5,400.0	5,399.4	81.5	1.7	-18.09	-4,211.7	-674.9	1,618.8	1,576.5	42.26	38.310	
11,023.6	6,967.6	5,400.0	5,399.4	81.9	1.7	-18.09	-4,211.7	-674.9	1,614.6	1,572.1	42.47	38.017	
11,100.0	6,967.2	5,400.0	5,399.4	83.4	1.7	-18.09	-4,211.7	-674.9	1,603.4	1,560.2	43.17	37.143	
11,122.0	6,967.1	5,400.0	5,399.4	83.8	1.7	-18.09	-4,211.7	-674.9	1,600.8	1,557.4	43.37	36.912	
11,200.0	6,966.7	5,400.0	5,399.4	85.3	1.7	-18.09	-4,211.7	-674.9	1,594.1	1,550.0	44.08	36.164	
11,220.4	6,966.6	5,400.0	5,399.4	85.7	1.7	-18.09	-4,211.7	-674.9	1,593.0	1,548.7	44.27	35.985	
11,298.3	6,966.2	5,400.0	5,399.4	87.2	1.7	-18.09	-4,211.7	-674.9	1,591.1	1,546.1	44.98	35.374 CC	
11,300.0	6,966.2	5,400.0	5,399.4	87.2	1.7	-18.09	-4,211.7	-674.9	1,591.1	1,546.1	44.99	35.362	
11,318.9	6,966.1	5,400.0	5,399.4	87.5	1.7	-18.09	-4,211.7	-674.9	1,591.2	1,546.0	45.17	35.229 ES	
11,400.0	6,965.7	5,400.0	5,399.4	89.1	1.7	-18.09	-4,211.7	-674.9	1,594.3	1,548.4	45.91	34.728	
11,417.3	6,965.6	5,400.0	5,399.4	89.4	1.7	-18.09	-4,211.7	-674.9	1,595.5	1,549.5	46.07	34.634	
11,500.0	6,965.2	5,400.0	5,399.4	91.0	1.7	-18.09	-4,211.7	-674.9	1,603.8	1,557.0	46.82	34.251	
11,515.7	6,965.2	5,400.0	5,399.4	91.3	1.7	-18.09	-4,211.7	-674.9	1,605.9	1,558.9	46.97	34.190	
11,600.0	6,964.7	5,400.0	5,399.4	92.9	1.7	-18.09	-4,211.7	-674.9	1,619.4	1,571.7	47.74	33.921	
11,614.1	6,964.7	5,400.0	5,399.4	93.2	1.7	-18.09	-4,211.7	-674.9	1,622.1	1,574.2	47.87	33.885	
11,700.0	6,964.3	5,400.0	5,399.4	94.8	1.7	-18.09	-4,211.7	-674.9	1,641.0	1,592.3	48.66	33.725	
11,712.6	6,964.2	5,400.0	5,399.4	95.1	1.7	-18.09	-4,211.7	-674.9	1,644.1	1,595.3	48.77	33.709	
11,800.0	6,963.8	5,400.0	5,399.4	96.7	1.7	-18.09	-4,211.7	-674.9	1,668.3	1,618.7	49.58	33.652	
11,811.0	6,963.7	5,400.0	5,399.4	97.0	1.7	-18.09	-4,211.7	-674.9	1,671.6	1,622.0	49.68	33.650 SF	
11,900.0	6,963.3	5,400.0	5,399.4	98.7	1.7	-18.09	-4,211.7	-674.9	1,701.0	1,650.5	50.49	33.688	
11,909.4	6,963.2	5,400.0	5,399.4	98.9	1.7	-18.09	-4,211.7	-674.9	1,704.4	1,653.8	50.58	33.697	
12,000.0	6,962.8	5,400.0	5,399.4	100.6	1.7	-18.09	-4,211.7	-674.9	1,738.9	1,687.5	51.41	33.823	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 18-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,007.8	6,962.7	5,400.0	5,399.4	100.7	1.7	-18.09	-4,211.7	-674.9	1,742.1	1,690.6	51.48	33.837	
12,100.0	6,962.3	5,400.0	5,399.4	102.5	1.7	-18.09	-4,211.7	-674.9	1,781.6	1,729.3	52.33	34.045	
12,106.3	6,962.2	5,400.0	5,399.4	102.6	1.7	-18.09	-4,211.7	-674.9	1,784.5	1,732.1	52.39	34.061	
12,200.0	6,961.8	5,400.0	5,399.4	104.5	1.7	-18.09	-4,211.7	-674.9	1,828.8	1,775.6	53.25	34.343	
12,204.7	6,961.8	5,400.0	5,399.4	104.5	1.7	-18.09	-4,211.7	-674.9	1,831.1	1,777.8	53.29	34.358	
12,300.0	6,961.3	5,400.0	5,399.4	106.4	1.7	-18.09	-4,211.7	-674.9	1,880.1	1,826.0	54.17	34.707	
12,303.1	6,961.3	5,400.0	5,399.4	106.4	1.7	-18.09	-4,211.7	-674.9	1,881.8	1,827.6	54.20	34.719	
12,400.0	6,960.8	5,400.0	5,399.4	108.3	1.7	-18.09	-4,211.7	-674.9	1,935.3	1,880.2	55.09	35.127	
12,401.5	6,960.8	5,400.0	5,399.4	108.3	1.7	-18.09	-4,211.7	-674.9	1,936.1	1,881.0	55.11	35.134	
12,500.0	6,960.3	5,400.0	5,399.4	110.3	1.7	-18.09	-4,211.7	-674.9	1,993.9	1,937.9	56.01	35.596	
12,598.4	6,959.8	5,400.0	5,399.4	112.2	1.7	-18.09	-4,211.7	-674.9	2,054.7	1,997.8	56.92	36.097	
12,600.0	6,959.8	5,400.0	5,399.4	112.2	1.7	-18.09	-4,211.7	-674.9	2,055.7	1,998.8	56.94	36.106	
12,696.8	6,959.3	5,400.0	5,399.4	114.1	1.7	-18.09	-4,211.7	-674.9	2,118.3	2,060.5	57.83	36.631	
12,700.0	6,959.3	5,400.0	5,399.4	114.1	1.7	-18.09	-4,211.7	-674.9	2,120.4	2,062.6	57.86	36.649	
12,795.2	6,958.8	5,400.0	5,399.4	116.0	1.7	-18.09	-4,211.7	-674.9	2,184.6	2,125.8	58.74	37.193	
12,800.0	6,958.8	5,400.0	5,399.4	116.1	1.7	-18.09	-4,211.7	-674.9	2,187.8	2,129.0	58.78	37.221	
12,893.7	6,958.3	5,400.0	5,399.4	117.9	1.7	-18.09	-4,211.7	-674.9	2,253.1	2,193.5	59.64	37.776	
12,900.0	6,958.3	5,400.0	5,399.4	118.0	1.7	-18.09	-4,211.7	-674.9	2,257.6	2,197.9	59.70	37.815	
12,992.1	6,957.9	5,400.0	5,399.4	119.8	1.7	-18.09	-4,211.7	-674.9	2,323.9	2,263.3	60.55	38.378	
13,000.0	6,957.8	5,400.0	5,399.4	120.0	1.7	-18.09	-4,211.7	-674.9	2,329.6	2,269.0	60.63	38.427	
13,090.5	6,957.4	5,400.0	5,399.4	121.7	1.7	-18.09	-4,211.7	-674.9	2,396.6	2,335.1	61.46	38.993	
13,100.0	6,957.3	5,400.0	5,399.4	121.9	1.7	-18.09	-4,211.7	-674.9	2,403.6	2,342.1	61.55	39.053	
13,188.9	6,956.9	5,400.0	5,399.4	123.6	1.7	-18.09	-4,211.7	-674.9	2,471.0	2,408.7	62.37	39.619	
13,200.0	6,956.8	5,400.0	5,399.4	123.9	1.7	-18.09	-4,211.7	-674.9	2,479.5	2,417.0	62.47	39.689	
13,287.4	6,956.4	5,400.0	5,399.4	125.6	1.7	-18.09	-4,211.7	-674.9	2,547.1	2,483.8	63.28	40.252	
13,300.0	6,956.3	5,400.0	5,399.4	125.8	1.7	-18.09	-4,211.7	-674.9	2,557.0	2,493.6	63.40	40.334	
13,385.8	6,955.9	5,400.0	5,399.4	127.5	1.7	-18.09	-4,211.7	-674.9	2,624.7	2,560.5	64.19	40.890	
13,400.0	6,955.8	5,400.0	5,399.4	127.8	1.7	-18.09	-4,211.7	-674.9	2,636.0	2,571.7	64.32	40.983	
13,484.2	6,955.4	5,400.0	5,399.4	129.4	1.7	-18.09	-4,211.7	-674.9	2,703.6	2,638.5	65.10	41.531	
13,500.0	6,955.3	5,400.0	5,399.4	129.7	1.7	-18.09	-4,211.7	-674.9	2,716.4	2,651.2	65.24	41.634	
13,582.6	6,954.9	5,400.0	5,399.4	131.3	1.7	-18.09	-4,211.7	-674.9	2,783.8	2,717.8	66.01	42.173	
13,600.0	6,954.8	5,400.0	5,399.4	131.7	1.7	-18.09	-4,211.7	-674.9	2,798.1	2,731.9	66.17	42.287	
13,681.1	6,954.4	5,400.0	5,399.4	133.2	1.7	-18.09	-4,211.7	-674.9	2,865.1	2,798.2	66.92	42.815	
13,700.0	6,954.3	5,400.0	5,399.4	133.6	1.7	-18.09	-4,211.7	-674.9	2,880.9	2,813.8	67.09	42.938	
13,779.5	6,953.9	5,400.0	5,399.4	135.2	1.7	-18.09	-4,211.7	-674.9	2,947.5	2,879.7	67.83	43.454	
13,800.0	6,953.8	5,400.0	5,399.4	135.6	1.7	-18.09	-4,211.7	-674.9	2,964.8	2,896.7	68.02	43.587	
13,877.9	6,953.5	5,400.0	5,399.4	137.1	1.7	-18.09	-4,211.7	-674.9	3,030.8	2,962.1	68.74	44.091	
13,900.0	6,953.3	5,400.0	5,399.4	137.5	1.7	-18.09	-4,211.7	-674.9	3,049.6	2,980.7	68.94	44.233	
13,976.3	6,953.0	5,400.0	5,399.4	139.0	1.7	-18.09	-4,211.7	-674.9	3,115.0	3,045.4	69.65	44.723	
14,000.0	6,952.8	5,400.0	5,399.4	139.5	1.7	-18.09	-4,211.7	-674.9	3,135.4	3,065.5	69.87	44.874	
14,074.8	6,952.5	5,400.0	5,399.4	140.9	1.7	-18.09	-4,211.7	-674.9	3,200.0	3,129.5	70.56	45.350	
14,100.0	6,952.4	5,400.0	5,399.4	141.4	1.7	-18.09	-4,211.7	-674.9	3,221.9	3,151.1	70.80	45.510	
14,170.4	6,952.0	5,400.0	5,399.4	142.8	1.7	-18.09	-4,211.7	-674.9	3,283.3	3,211.9	71.43	45.962	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 21-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	169.42	-2,910.8	543.8	2,961.2				
98.4	98.4	127.2	127.2	0.1	0.1	169.42	-2,909.6	543.2	2,960.1	2,959.9	0.19	N/A	
100.0	100.0	128.3	128.3	0.1	0.1	169.42	-2,909.6	543.2	2,960.1	2,959.9	0.19	N/A	
196.8	196.8	200.0	200.0	0.3	0.2	169.42	-2,908.9	543.2	2,959.2	2,958.7	0.50	5,908.868	
200.0	200.0	200.0	200.0	0.3	0.2	169.42	-2,908.9	543.2	2,959.2	2,958.7	0.51	5,826.468	
295.3	295.3	298.5	298.5	0.5	0.2	169.42	-2,908.5	543.1	2,958.8	2,958.0	0.77	3,833.739	
300.0	300.0	303.4	303.3	0.5	0.2	169.42	-2,908.5	543.1	2,958.8	2,958.0	0.78	3,770.313	
393.7	393.7	397.7	397.6	0.8	0.3	169.42	-2,908.0	543.0	2,958.3	2,957.2	1.04	2,842.161	
400.0	400.0	400.0	400.0	0.8	0.3	169.42	-2,907.9	543.0	2,958.2	2,957.2	1.06	2,800.981	
492.1	492.1	484.0	484.0	1.0	0.3	169.42	-2,907.6	543.0	2,957.9	2,956.6	1.28	2,313.971	
500.0	500.0	490.9	490.9	1.0	0.3	169.42	-2,907.6	543.0	2,957.9	2,956.6	1.30	2,280.200	
590.5	590.5	600.0	600.0	1.2	0.4	169.43	-2,907.2	542.7	2,957.5	2,956.0	1.54	1,924.338	
600.0	600.0	600.0	600.0	1.2	0.4	169.43	-2,907.2	542.7	2,957.5	2,955.9	1.56	1,898.070	
689.0	689.0	676.8	676.8	1.4	0.4	169.42	-2,906.9	542.9	2,957.2	2,955.4	1.78	1,662.092	
690.5	690.5	678.0	678.0	1.4	0.4	169.42	-2,906.9	542.9	2,957.2	2,955.4	1.78	1,658.584	
700.0	700.0	685.4	685.3	1.4	0.4	169.42	-2,906.9	543.0	2,957.2	2,955.4	1.81	1,637.170	
787.4	787.4	786.2	786.2	1.6	0.4	169.41	-2,906.8	543.3	2,957.1	2,955.1	2.02	1,463.431	
800.0	800.0	801.8	801.8	1.7	0.4	169.41	-2,906.7	543.3	2,957.1	2,955.0	2.05	1,441.019	
885.8	885.8	892.7	892.7	1.9	0.5	169.41	-2,906.2	543.3	2,956.6	2,954.3	2.29	1,291.621	
900.0	900.0	907.2	907.2	1.9	0.5	169.41	-2,906.1	543.4	2,956.5	2,954.2	2.33	1,269.875	
984.2	984.2	990.6	990.5	2.1	0.5	169.40	-2,905.5	543.5	2,956.0	2,953.4	2.56	1,154.728	
1,000.0	1,000.0	1,000.0	1,000.0	2.1	0.5	169.40	-2,905.4	543.5	2,955.9	2,953.3	2.60	1,136.880	
1,028.6	1,028.6	1,027.8	1,027.7	2.2	0.5	-113.27	-2,905.3	543.6	2,955.8	2,953.1	2.70	1,096.023	
1,082.7	1,082.7	1,070.9	1,070.9	2.3	0.5	-113.29	-2,905.2	543.6	2,956.1	2,953.3	2.82	1,049.878	
1,100.0	1,100.0	1,084.7	1,084.7	2.3	0.5	-113.29	-2,905.2	543.6	2,956.3	2,953.4	2.85	1,035.943	
1,181.1	1,181.0	1,163.3	1,163.2	2.5	0.5	-113.33	-2,905.3	543.8	2,958.0	2,955.0	3.04	971.655	
1,200.0	1,199.8	1,182.6	1,182.5	2.5	0.5	-113.34	-2,905.3	543.9	2,958.6	2,955.5	3.09	957.514	
1,279.5	1,279.1	1,267.4	1,267.4	2.7	0.6	-113.43	-2,905.3	544.4	2,961.3	2,958.0	3.30	897.490	
1,300.0	1,299.5	1,289.5	1,289.4	2.8	0.6	-113.46	-2,905.2	544.6	2,962.1	2,958.7	3.35	883.191	
1,377.9	1,376.9	1,372.6	1,372.6	3.0	0.6	-113.57	-2,905.0	544.9	2,965.6	2,962.1	3.56	832.795	
1,400.0	1,398.7	1,396.0	1,396.0	3.0	0.6	-113.61	-2,905.0	544.9	2,966.8	2,963.2	3.62	819.785	
1,476.4	1,474.2	1,462.2	1,462.2	3.2	0.6	-113.70	-2,904.8	544.8	2,971.3	2,967.5	3.83	775.676	
1,500.0	1,497.5	1,482.4	1,482.4	3.3	0.6	-113.73	-2,904.9	544.8	2,973.0	2,969.1	3.90	763.093	
1,574.8	1,571.0	1,553.3	1,553.3	3.5	0.6	-113.86	-2,904.9	544.9	2,978.8	2,974.7	4.14	718.669	
1,600.0	1,595.6	1,578.0	1,578.0	3.6	0.6	-113.91	-2,905.0	545.0	2,981.0	2,976.7	4.23	704.623	
1,673.2	1,667.0	1,663.4	1,663.3	3.9	0.7	-114.13	-2,904.9	545.2	2,987.7	2,983.2	4.51	662.447	
1,700.0	1,693.1	1,696.7	1,696.6	4.0	0.7	-114.22	-2,904.8	545.4	2,990.2	2,985.6	4.61	648.590	
1,735.7	1,727.6	1,725.4	1,725.4	4.1	0.7	-114.28	-2,904.6	545.5	2,993.8	2,989.1	4.75	630.022	
1,771.6	1,762.4	1,753.1	1,753.1	4.3	0.7	-114.41	-2,904.5	545.6	2,997.6	2,992.7	4.90	612.032	
1,800.0	1,789.8	1,774.9	1,774.9	4.4	0.7	-114.51	-2,904.5	545.6	3,000.7	2,995.6	5.01	598.693	
1,870.1	1,857.6	1,849.7	1,849.7	4.7	0.7	-114.84	-2,904.6	545.7	3,008.4	3,003.1	5.31	566.899	
1,900.0	1,886.6	1,889.4	1,889.3	4.8	0.7	-115.02	-2,904.4	545.8	3,011.6	3,006.1	5.43	554.441	
1,968.5	1,952.8	1,949.9	1,949.8	5.2	0.7	-115.28	-2,904.1	545.7	3,018.8	3,013.1	5.73	526.424	
2,000.0	1,983.3	1,975.9	1,975.8	5.3	0.7	-115.39	-2,904.1	545.6	3,022.3	3,016.4	5.87	514.485	
2,066.9	2,048.0	2,037.2	2,037.2	5.6	0.7	-115.66	-2,904.1	545.2	3,029.8	3,023.6	6.18	490.278	
2,100.0	2,080.0	2,069.8	2,069.8	5.8	0.7	-115.80	-2,904.2	545.1	3,033.5	3,027.2	6.33	479.222	
2,165.3	2,143.2	2,141.1	2,141.1	6.1	0.7	-116.10	-2,904.0	545.1	3,040.8	3,034.2	6.64	457.978	
2,200.0	2,176.7	2,182.3	2,182.3	6.3	0.7	-116.28	-2,903.9	544.9	3,044.7	3,037.9	6.81	447.356	
2,263.8	2,238.4	2,236.8	2,236.8	6.6	0.7	-116.51	-2,903.6	544.7	3,051.7	3,044.6	7.11	429.269	
2,300.0	2,273.4	2,264.1	2,264.0	6.8	0.7	-116.63	-2,903.6	544.6	3,055.8	3,048.6	7.28	419.768	
2,362.2	2,333.6	2,316.4	2,316.4	7.1	0.7	-116.85	-2,903.7	544.4	3,063.2	3,055.6	7.58	404.183	
2,400.0	2,370.2	2,359.5	2,359.4	7.3	0.7	-117.02	-2,903.8	544.1	3,067.7	3,059.9	7.76	395.154	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 21-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,460.6	2,428.8	2,421.2	2,421.1	7.6	0.8	-117.27	-2,903.9	543.4	3,074.8	3,066.7	8.06	381.472	
2,500.0	2,466.9	2,454.4	2,454.3	7.8	0.8	-117.41	-2,903.9	543.1	3,079.5	3,071.2	8.25	373.237	
2,559.0	2,524.0	2,505.0	2,504.9	8.1	0.8	-117.62	-2,904.0	542.9	3,086.6	3,078.1	8.54	361.509	
2,600.0	2,563.6	2,548.2	2,548.1	8.3	0.8	-117.80	-2,904.2	542.8	3,091.7	3,082.9	8.74	353.790	
2,657.5	2,619.2	2,607.4	2,607.4	8.6	0.8	-118.04	-2,904.3	542.4	3,098.7	3,089.7	9.02	343.541	
2,700.0	2,660.3	2,645.0	2,645.0	8.8	0.8	-118.19	-2,904.3	542.2	3,103.9	3,094.7	9.22	336.627	
2,755.9	2,714.4	2,694.3	2,694.3	9.1	0.8	-118.39	-2,904.4	542.2	3,110.9	3,101.5	9.49	327.961	
2,800.0	2,757.0	2,743.0	2,743.0	9.4	0.8	-118.60	-2,904.5	542.3	3,116.5	3,106.8	9.70	321.385	
2,854.3	2,809.6	2,804.2	2,804.2	9.6	0.8	-118.85	-2,904.4	542.4	3,123.2	3,113.3	9.96	313.624	
2,900.0	2,853.8	2,847.5	2,847.5	9.9	0.8	-119.03	-2,904.3	542.4	3,128.9	3,118.7	10.18	307.455	
2,952.7	2,904.8	2,897.6	2,897.6	10.2	0.8	-119.23	-2,904.3	542.2	3,135.5	3,125.1	10.43	300.644	
3,000.0	2,950.5	2,950.5	2,950.5	10.4	0.8	-119.44	-2,904.2	541.9	3,141.4	3,130.7	10.66	294.655	
3,051.2	3,000.0	3,000.0	2,999.9	10.7	0.8	-119.64	-2,904.0	541.7	3,147.7	3,136.8	10.91	288.458	
3,100.0	3,047.2	3,045.2	3,045.2	10.9	0.8	-119.82	-2,903.8	541.6	3,153.8	3,142.6	11.15	282.857	
3,149.6	3,095.2	3,085.2	3,085.2	11.2	0.9	-119.98	-2,903.8	541.4	3,160.1	3,148.7	11.39	277.420	
3,200.0	3,143.9	3,132.8	3,132.8	11.5	0.9	-120.17	-2,903.8	541.3	3,166.7	3,155.0	11.63	272.242	
3,248.0	3,190.4	3,181.9	3,181.9	11.7	0.9	-120.37	-2,903.7	541.4	3,172.9	3,161.1	11.86	267.575	
3,300.0	3,240.6	3,237.7	3,237.6	12.0	0.9	-120.60	-2,903.5	541.6	3,179.7	3,167.6	12.11	262.657	
3,346.4	3,285.6	3,288.8	3,288.8	12.3	0.9	-120.80	-2,903.3	541.6	3,185.7	3,173.3	12.33	258.388	
3,400.0	3,337.4	3,331.2	3,331.1	12.5	0.9	-120.97	-2,903.2	541.5	3,192.6	3,180.0	12.58	253.713	
3,444.9	3,380.8	3,363.4	3,363.3	12.8	0.9	-121.09	-2,903.2	541.5	3,198.6	3,185.8	12.80	249.966	
3,500.0	3,434.1	3,404.1	3,404.0	13.1	0.9	-121.25	-2,903.3	541.6	3,206.3	3,193.2	13.06	245.560	
3,543.3	3,476.0	3,448.9	3,448.8	13.3	0.9	-121.43	-2,903.5	541.7	3,212.3	3,199.1	13.26	242.204	
3,600.0	3,530.8	3,509.0	3,509.0	13.6	0.9	-121.66	-2,903.8	541.6	3,220.3	3,206.8	13.53	237.953	
3,641.7	3,571.2	3,560.4	3,560.3	13.8	0.9	-121.86	-2,903.9	541.5	3,226.0	3,212.3	13.73	234.995	
3,700.0	3,627.5	3,622.2	3,622.1	14.2	0.9	-122.09	-2,903.8	541.3	3,233.9	3,219.9	14.00	230.931	
3,740.1	3,666.4	3,656.4	3,656.3	14.4	0.9	-122.22	-2,903.8	541.1	3,239.4	3,225.2	14.20	228.179	
3,800.0	3,724.2	3,700.0	3,699.9	14.7	0.9	-122.38	-2,904.0	540.8	3,247.8	3,233.3	14.48	224.225	
3,838.6	3,761.6	3,738.1	3,738.0	14.9	0.9	-122.52	-2,904.2	540.4	3,253.3	3,238.6	14.67	221.769	
3,900.0	3,821.0	3,787.5	3,787.5	15.2	0.9	-122.70	-2,904.6	540.2	3,262.2	3,247.2	14.97	217.985	
3,937.0	3,856.8	3,829.2	3,829.2	15.4	0.9	-122.86	-2,904.9	540.0	3,267.6	3,252.5	15.14	215.815	
4,000.0	3,917.7	3,900.0	3,899.9	15.8	0.9	-123.11	-2,905.2	539.5	3,276.6	3,261.2	15.44	212.246	
4,035.4	3,951.9	3,935.9	3,935.8	16.0	0.9	-123.24	-2,905.3	539.2	3,281.6	3,266.0	15.60	210.303	
4,100.0	4,014.4	3,985.6	3,985.5	16.3	1.0	-123.42	-2,905.6	539.0	3,291.1	3,275.2	15.91	206.868	
4,133.8	4,047.1	4,017.9	4,017.8	16.5	1.0	-123.54	-2,905.8	538.9	3,296.1	3,280.0	16.07	205.132	
4,200.0	4,111.1	4,096.2	4,096.1	16.9	1.0	-123.82	-2,906.3	538.4	3,305.8	3,289.5	16.38	201.846	
4,232.3	4,142.3	4,129.7	4,129.6	17.0	1.0	-123.94	-2,906.4	538.0	3,310.5	3,294.0	16.53	200.268	
4,300.0	4,207.8	4,198.6	4,198.5	17.4	1.0	-124.18	-2,906.5	537.7	3,320.3	3,303.5	16.85	197.057	
4,330.7	4,237.5	4,226.5	4,226.4	17.6	1.0	-124.28	-2,906.5	537.6	3,324.8	3,307.8	16.99	195.638	
4,400.0	4,304.6	4,289.2	4,289.2	17.9	1.0	-124.51	-2,906.7	537.3	3,335.0	3,317.7	17.32	192.532	
4,429.1	4,332.7	4,316.5	4,316.4	18.1	1.0	-124.60	-2,906.8	537.1	3,339.3	3,321.9	17.46	191.274	
4,500.0	4,401.3	4,384.0	4,383.9	18.5	1.0	-124.84	-2,907.0	536.8	3,349.9	3,332.1	17.79	188.326	
4,527.5	4,427.9	4,413.5	4,413.4	18.6	1.0	-124.95	-2,907.0	536.8	3,354.0	3,336.1	17.91	187.240	
4,600.0	4,498.0	4,500.0	4,499.9	19.0	1.0	-125.25	-2,906.9	536.6	3,364.7	3,346.4	18.24	184.514	
4,626.0	4,523.1	4,524.0	4,523.9	19.2	1.0	-125.34	-2,906.8	536.5	3,368.4	3,350.1	18.36	183.510	
4,700.0	4,594.7	4,584.4	4,584.3	19.6	1.1	-125.55	-2,906.8	536.2	3,379.4	3,360.7	18.70	180.728	
4,724.4	4,618.3	4,605.4	4,605.3	19.7	1.1	-125.62	-2,906.9	536.0	3,383.1	3,364.3	18.81	179.842	
4,800.0	4,691.5	4,682.1	4,682.0	20.1	1.1	-125.88	-2,907.0	535.7	3,394.5	3,375.4	19.15	177.221	
4,822.8	4,713.5	4,704.9	4,704.8	20.2	1.1	-125.96	-2,907.0	535.7	3,398.0	3,378.7	19.26	176.450	
4,900.0	4,788.2	4,778.8	4,778.8	20.7	1.1	-126.22	-2,907.0	535.5	3,409.7	3,390.1	19.61	173.902	
4,921.2	4,808.7	4,799.2	4,799.1	20.8	1.1	-126.29	-2,907.0	535.5	3,413.0	3,393.2	19.70	173.217	
5,000.0	4,884.9	4,851.8	4,851.7	21.2	1.1	-126.47	-2,907.1	535.4	3,425.3	3,405.2	20.06	170.726	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 21-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,019.7	4,903.9	4,864.8	4,864.7	21.3	1.1	-126.52	-2,907.2	535.5	3,428.4	3,408.3	20.15	170.122	
5,100.0	4,981.6	4,936.5	4,936.4	21.8	1.1	-126.77	-2,907.7	536.2	3,441.7	3,421.2	20.52	167.758	
5,118.1	4,999.1	4,960.9	4,960.8	21.8	1.1	-126.86	-2,907.8	536.5	3,444.7	3,424.1	20.60	167.250	
5,200.0	5,078.3	5,047.7	5,047.6	22.3	1.1	-127.17	-2,907.8	537.7	3,457.9	3,436.9	20.96	164.948	
5,216.5	5,094.3	5,062.6	5,062.5	22.4	1.1	-127.23	-2,907.7	537.9	3,460.6	3,439.6	21.04	164.491	
5,300.0	5,175.1	5,132.9	5,132.8	22.8	1.1	-127.48	-2,907.8	538.9	3,474.3	3,452.9	21.42	162.224	
5,314.9	5,189.5	5,144.6	5,144.5	22.9	1.1	-127.52	-2,907.8	539.1	3,476.8	3,455.3	21.48	161.826	
5,400.0	5,271.8	5,214.9	5,214.7	23.4	1.1	-127.78	-2,907.9	540.7	3,491.2	3,469.4	21.87	159.639	
5,413.4	5,284.7	5,228.9	5,228.8	23.5	1.1	-127.83	-2,908.0	541.0	3,493.5	3,471.6	21.93	159.310	
5,500.0	5,368.5	5,314.7	5,314.6	23.9	1.1	-128.15	-2,908.0	543.1	3,508.4	3,486.1	22.32	157.219	
5,511.8	5,379.9	5,323.9	5,323.7	24.0	1.1	-128.18	-2,908.1	543.3	3,510.4	3,488.0	22.37	156.937	
5,600.0	5,465.2	5,400.0	5,399.8	24.5	1.1	-128.45	-2,908.4	545.1	3,525.9	3,503.1	22.76	154.899	
5,610.2	5,475.1	5,400.0	5,399.8	24.5	1.1	-128.45	-2,908.4	545.1	3,527.7	3,504.9	22.81	154.654	
5,647.2	5,510.9	5,435.4	5,435.2	24.7	1.2	-128.58	-2,908.7	545.9	3,534.3	3,511.4	22.97	153.836	
5,700.0	5,562.1	5,485.3	5,485.1	25.0	1.2	-128.90	-2,909.0	547.3	3,543.5	3,520.4	23.12	153.263	
5,708.6	5,570.5	5,493.5	5,493.3	25.0	1.2	-128.95	-2,909.1	547.5	3,545.0	3,521.9	23.14	153.216	
5,800.0	5,659.6	5,592.6	5,592.3	25.3	1.2	-129.48	-2,909.5	550.3	3,559.3	3,536.0	23.31	152.696	
5,807.1	5,666.6	5,600.4	5,600.1	25.4	1.2	-129.52	-2,909.5	550.6	3,560.3	3,537.0	23.32	152.667	
5,900.0	5,757.9	5,700.0	5,699.7	25.7	1.2	-129.98	-2,909.6	553.1	3,572.6	3,549.1	23.47	152.214	
5,905.5	5,763.3	5,700.0	5,699.7	25.7	1.2	-129.99	-2,909.6	553.1	3,573.2	3,549.7	23.48	152.188	
6,000.0	5,856.7	5,772.7	5,772.4	26.0	1.2	-130.31	-2,910.0	554.9	3,583.9	3,560.3	23.62	151.763	
6,003.9	5,860.6	5,775.4	5,775.1	26.0	1.2	-130.32	-2,910.0	555.0	3,584.3	3,560.7	23.62	151.751	
6,100.0	5,956.1	5,858.9	5,858.5	26.2	1.2	-130.61	-2,910.9	557.3	3,593.7	3,570.0	23.74	151.406	
6,102.3	5,958.4	5,861.2	5,860.9	26.2	1.2	-130.61	-2,911.0	557.3	3,593.9	3,570.2	23.74	151.401	
6,200.0	6,055.7	5,962.6	5,962.1	26.4	1.2	-130.86	-2,911.9	560.6	3,601.4	3,577.5	23.83	151.097	
6,200.8	6,056.5	5,963.4	5,963.0	26.4	1.2	-130.87	-2,911.9	560.6	3,601.4	3,577.6	23.84	151.096	
6,299.2	6,154.8	6,050.0	6,049.5	26.5	1.3	-131.03	-2,912.6	563.5	3,606.7	3,582.8	23.92	150.793	
6,300.0	6,155.6	6,050.6	6,050.2	26.5	1.3	-131.03	-2,912.6	563.5	3,606.7	3,582.8	23.92	150.790	
6,382.9	6,238.5	6,123.7	6,123.2	26.6	1.3	151.56	-2,913.7	565.8	3,609.8	3,585.9	23.95	150.749	
6,397.6	6,253.2	6,141.6	6,141.1	26.6	1.3	151.55	-2,914.0	566.4	3,610.3	3,586.3	23.97	150.642	
6,400.0	6,255.6	6,144.5	6,144.0	26.6	1.3	151.55	-2,914.0	566.5	3,610.3	3,586.4	23.97	150.625	
6,412.9	6,268.5	6,160.2	6,159.7	26.6	1.3	151.55	-2,914.3	566.9	3,610.7	3,586.7	23.99	150.524	
6,450.0	6,305.6	6,205.2	6,204.7	26.7	1.3	-28.68	-2,914.8	568.3	3,610.8	3,586.8	24.01	150.395	
6,496.0	6,351.5	6,259.1	6,258.5	26.7	1.3	-28.82	-2,915.5	569.7	3,608.5	3,584.5	23.98	150.448	
6,500.0	6,355.4	6,263.7	6,263.1	26.7	1.3	-28.84	-2,915.6	569.8	3,608.1	3,584.2	23.98	150.454	
6,550.0	6,404.8	6,315.7	6,315.1	26.7	1.3	-29.13	-2,916.3	570.8	3,602.4	3,578.4	23.93	150.514	
6,594.5	6,448.1	6,352.5	6,351.9	26.8	1.3	-29.51	-2,916.8	571.6	3,594.7	3,570.9	23.85	150.711	
6,600.0	6,453.5	6,357.0	6,356.4	26.8	1.3	-29.56	-2,916.8	571.7	3,593.6	3,569.8	23.84	150.756	
6,650.0	6,501.3	6,400.0	6,399.4	26.8	1.3	-30.15	-2,917.4	573.0	3,582.0	3,558.4	23.67	151.310	
6,692.9	6,541.4	6,447.1	6,446.4	26.8	1.3	-30.83	-2,917.9	574.4	3,569.8	3,546.3	23.47	152.085	
6,700.0	6,548.0	6,455.4	6,454.7	26.8	1.3	-30.96	-2,918.0	574.6	3,567.6	3,544.1	23.43	152.252	
6,750.0	6,593.3	6,508.5	6,507.8	26.8	1.4	-31.95	-2,918.6	575.9	3,550.1	3,527.0	23.11	153.611	
6,791.3	6,629.6	6,539.3	6,538.6	26.8	1.4	-32.87	-2,918.9	576.6	3,533.7	3,510.9	22.79	155.046	
6,800.0	6,637.0	6,545.6	6,544.9	26.8	1.4	-33.08	-2,919.0	576.8	3,530.0	3,507.3	22.72	155.400	
6,850.0	6,679.0	6,581.3	6,580.6	26.8	1.4	-34.41	-2,919.5	577.6	3,507.3	3,485.1	22.25	157.626	
6,889.7	6,710.9	6,611.0	6,610.3	26.8	1.4	-35.66	-2,919.9	578.4	3,487.6	3,465.8	21.84	159.663	
6,900.0	6,718.9	6,619.8	6,619.1	26.8	1.4	-36.01	-2,920.0	578.7	3,482.3	3,460.6	21.73	160.253	
6,950.0	6,756.7	6,661.5	6,660.8	26.8	1.4	-37.93	-2,920.5	579.8	3,454.9	3,433.7	21.17	163.187	
6,988.2	6,783.9	6,691.6	6,690.8	26.8	1.4	-39.59	-2,920.9	580.6	3,432.5	3,411.7	20.74	165.482	
7,000.0	6,792.0	6,700.7	6,700.0	26.8	1.4	-40.15	-2,921.0	580.9	3,425.3	3,404.7	20.60	166.250	
7,050.0	6,824.8	6,748.1	6,747.3	26.8	1.4	-42.85	-2,921.4	582.2	3,393.6	3,373.5	20.06	169.162	
7,086.6	6,847.2	6,780.1	6,779.3	26.8	1.4	-45.09	-2,921.6	583.0	3,369.2	3,349.5	19.72	170.809	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 21-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,100.0	6,854.9	6,791.3	6,790.5	26.8	1.4	-45.96	-2,921.6	583.2	3,360.0	3,340.4	19.59	171.546	
7,150.0	6,882.2	6,816.9	6,816.1	26.8	1.4	-49.30	-2,921.7	583.8	3,324.7	3,305.5	19.22	172.999	
7,185.0	6,899.5	6,830.7	6,829.9	26.8	1.4	-51.85	-2,921.8	584.1	3,299.1	3,280.1	19.03	173.325	
7,200.0	6,906.5	6,836.3	6,835.5	26.9	1.4	-53.01	-2,921.9	584.2	3,288.0	3,269.0	18.99	173.180	
7,250.0	6,927.6	6,853.5	6,852.7	26.9	1.4	-57.16	-2,922.0	584.6	3,250.1	3,231.2	18.91	171.889	
7,283.4	6,940.0	6,863.6	6,862.8	27.0	1.4	-60.18	-2,922.1	584.8	3,224.2	3,205.3	18.94	170.208	
7,300.0	6,945.5	6,868.2	6,867.4	27.0	1.4	-61.75	-2,922.1	584.9	3,211.3	3,192.3	18.98	169.194	
7,350.0	6,960.2	6,880.4	6,879.6	27.1	1.4	-66.75	-2,922.3	585.2	3,171.6	3,152.4	19.18	165.402	
7,381.9	6,967.8	6,886.8	6,886.0	27.2	1.4	-70.12	-2,922.4	585.3	3,146.0	3,126.7	19.35	162.555	
7,400.0	6,971.5	6,889.9	6,889.1	27.2	1.4	-72.09	-2,922.4	585.4	3,131.4	3,111.9	19.46	160.891	
7,450.0	6,979.3	6,900.0	6,899.2	27.4	1.4	-77.78	-2,922.5	585.6	3,090.7	3,070.9	19.83	155.852	
7,480.3	6,982.4	6,900.0	6,899.2	27.5	1.4	-81.14	-2,922.5	585.6	3,066.0	3,045.9	20.11	152.490	
7,500.0	6,983.7	6,900.0	6,899.2	27.5	1.4	-83.35	-2,922.5	585.6	3,049.9	3,029.6	20.31	150.156	
7,541.4	6,984.7	6,900.0	6,899.2	27.7	1.4	-88.00	-2,922.5	585.6	3,016.2	2,995.3	20.88	144.430	
7,578.7	6,984.5	6,900.0	6,899.2	27.9	1.4	-88.00	-2,922.5	585.6	2,985.9	2,964.6	21.25	140.484	
7,600.0	6,984.4	6,900.0	6,899.2	28.0	1.4	-88.00	-2,922.5	585.6	2,968.7	2,947.2	21.47	138.300	
7,677.1	6,984.0	6,900.0	6,899.2	28.5	1.4	-88.00	-2,922.5	585.6	2,906.7	2,884.4	22.28	130.457	
7,700.0	6,983.9	6,900.0	6,899.2	28.6	1.4	-88.00	-2,922.5	585.6	2,888.5	2,866.0	22.52	128.249	
7,775.6	6,983.5	6,900.0	6,899.2	29.2	1.4	-88.00	-2,922.5	585.6	2,828.8	2,805.4	23.39	120.943	
7,800.0	6,983.4	6,900.0	6,899.2	29.4	1.4	-88.00	-2,922.5	585.6	2,809.6	2,786.0	23.67	118.703	
7,874.0	6,983.1	6,900.0	6,899.2	30.0	1.4	-88.00	-2,922.5	585.6	2,752.1	2,727.5	24.60	111.869	
7,900.0	6,982.9	6,900.0	6,899.2	30.3	1.4	-88.00	-2,922.5	585.6	2,732.1	2,707.2	24.93	109.596	
7,972.4	6,982.6	6,905.7	6,904.9	31.0	1.4	-88.19	-2,922.6	585.7	2,676.9	2,651.0	25.93	103.255	
8,000.0	6,982.4	6,905.9	6,905.1	31.3	1.4	-88.20	-2,922.6	585.7	2,656.1	2,629.8	26.30	100.994	
8,070.8	6,982.1	6,906.4	6,905.6	32.1	1.4	-88.21	-2,922.6	585.7	2,603.3	2,575.9	27.32	95.291	
8,100.0	6,982.0	6,906.7	6,905.8	32.4	1.4	-88.22	-2,922.6	585.7	2,581.8	2,554.0	27.74	93.075	
8,169.3	6,981.6	6,907.2	6,906.4	33.2	1.4	-88.24	-2,922.6	585.7	2,531.3	2,502.5	28.78	87.945	
8,200.0	6,981.5	6,907.4	6,906.6	33.6	1.4	-88.25	-2,922.6	585.7	2,509.2	2,479.9	29.25	85.797	
8,267.7	6,981.1	6,908.0	6,907.1	34.5	1.4	-88.26	-2,922.6	585.7	2,461.2	2,430.8	30.31	81.212	
8,300.0	6,981.0	6,908.2	6,907.4	34.9	1.4	-88.27	-2,922.6	585.8	2,438.6	2,407.7	30.81	79.146	
8,366.1	6,980.7	6,908.7	6,907.9	35.8	1.4	-88.29	-2,922.6	585.8	2,393.0	2,361.1	31.88	75.067	
8,400.0	6,980.5	6,909.0	6,908.2	36.3	1.4	-88.30	-2,922.6	585.8	2,370.0	2,337.6	32.43	73.093	
8,464.5	6,980.2	6,909.5	6,908.7	37.2	1.4	-88.31	-2,922.7	585.8	2,327.0	2,293.5	33.49	69.475	
8,500.0	6,980.0	6,909.7	6,908.9	37.7	1.4	-88.32	-2,922.7	585.8	2,303.8	2,269.7	34.08	67.598	
8,563.0	6,979.7	6,910.2	6,909.4	38.6	1.4	-88.34	-2,922.7	585.8	2,263.4	2,228.3	35.15	64.398	
8,600.0	6,979.5	6,910.5	6,909.7	39.1	1.4	-88.35	-2,922.7	585.8	2,240.1	2,204.3	35.77	62.620	
8,661.4	6,979.2	6,911.0	6,910.2	40.1	1.4	-88.36	-2,922.7	585.8	2,202.3	2,165.5	36.83	59.796	
8,700.0	6,979.0	6,911.3	6,910.5	40.7	1.4	-88.37	-2,922.7	585.8	2,179.1	2,141.6	37.50	58.117	
8,759.8	6,978.7	6,911.7	6,910.9	41.6	1.4	-88.39	-2,922.7	585.8	2,144.1	2,105.5	38.54	55.628	
8,800.0	6,978.5	6,912.1	6,911.2	42.2	1.4	-88.40	-2,922.7	585.8	2,121.1	2,081.9	39.25	54.048	
8,858.2	6,978.2	6,912.5	6,911.7	43.1	1.4	-88.41	-2,922.7	585.8	2,088.8	2,048.5	40.28	51.860	
8,900.0	6,978.0	6,912.8	6,912.0	43.8	1.4	-88.42	-2,922.7	585.9	2,066.3	2,025.3	41.02	50.376	
8,956.7	6,977.8	6,913.3	6,912.4	44.7	1.4	-88.44	-2,922.7	585.9	2,036.8	1,994.7	42.03	48.456	
9,000.0	6,977.5	6,913.6	6,912.8	45.4	1.4	-88.45	-2,922.7	585.9	2,015.0	1,972.2	42.81	47.068	
9,055.1	6,977.3	6,914.0	6,913.2	46.3	1.4	-88.46	-2,922.7	585.9	1,988.3	1,944.5	43.81	45.387	
9,100.0	6,977.1	6,914.4	6,913.5	47.1	1.4	-88.47	-2,922.7	585.9	1,967.4	1,922.8	44.62	44.092	
9,153.5	6,976.8	6,914.8	6,914.0	48.0	1.4	-88.49	-2,922.7	585.9	1,943.6	1,898.0	45.60	42.625	
9,200.0	6,976.6	6,915.1	6,914.3	48.8	1.4	-88.50	-2,922.7	585.9	1,923.8	1,877.4	46.45	41.422	
9,251.9	6,976.3	6,915.5	6,914.7	49.7	1.4	-88.51	-2,922.7	585.9	1,902.9	1,855.5	47.40	40.145	
9,300.0	6,976.1	6,915.9	6,915.1	50.5	1.4	-88.52	-2,922.7	585.9	1,884.6	1,836.3	48.28	39.031	
9,350.4	6,975.8	6,916.3	6,915.5	51.3	1.4	-88.54	-2,922.7	585.9	1,866.5	1,817.3	49.22	37.924	
9,400.0	6,975.6	6,916.7	6,915.8	52.2	1.4	-88.55	-2,922.8	585.9	1,849.9	1,799.8	50.14	36.898	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 21-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,448.8	6,975.3	6,917.0	6,916.2	53.1	1.4	-88.56	-2,922.8	585.9	1,834.7	1,783.7	51.04	35.944	
9,500.0	6,975.1	6,917.4	6,916.6	54.0	1.4	-88.58	-2,922.8	586.0	1,820.1	1,768.1	52.00	35.003	
9,547.2	6,974.9	6,917.8	6,917.0	54.8	1.4	-88.59	-2,922.8	586.0	1,807.7	1,754.9	52.88	34.185	
9,600.0	6,974.6	6,918.2	6,917.4	55.7	1.4	-88.60	-2,922.8	586.0	1,795.3	1,741.5	53.87	33.327	
9,645.6	6,974.4	6,918.6	6,917.7	56.5	1.4	-88.61	-2,922.8	586.0	1,785.8	1,731.1	54.73	32.630	
9,700.0	6,974.1	6,919.0	6,918.1	57.5	1.4	-88.63	-2,922.8	586.0	1,775.9	1,720.1	55.75	31.854	
9,744.1	6,973.9	6,919.3	6,918.5	58.3	1.4	-88.64	-2,922.8	586.0	1,769.0	1,712.4	56.58	31.264	
9,800.0	6,973.6	6,919.7	6,918.9	59.3	1.4	-88.65	-2,922.8	586.0	1,761.9	1,704.2	57.64	30.568	
9,842.5	6,973.4	6,920.1	6,919.2	60.0	1.4	-88.66	-2,922.8	586.0	1,757.6	1,699.2	58.44	30.074	
9,900.0	6,973.1	6,920.5	6,919.7	61.1	1.4	-88.68	-2,922.8	586.0	1,753.5	1,694.0	59.53	29.454	
9,940.9	6,972.9	6,920.8	6,920.0	61.8	1.4	-88.69	-2,922.8	586.0	1,751.7	1,691.4	60.31	29.044	
9,997.5	6,972.6	6,921.3	6,920.4	62.9	1.4	-88.70	-2,922.8	586.0	1,750.8	1,689.4	61.39	28.520 CC	
10,000.0	6,972.6	6,921.3	6,920.4	62.9	1.4	-88.70	-2,922.8	586.0	1,750.8	1,689.3	61.44	28.498	
10,039.3	6,972.4	6,921.6	6,920.7	63.6	1.4	-88.71	-2,922.8	586.1	1,751.3	1,689.1	62.19	28.162 ES	
10,100.0	6,972.1	6,922.0	6,921.2	64.7	1.4	-88.73	-2,922.8	586.1	1,753.8	1,690.4	63.34	27.687	
10,137.8	6,972.0	6,922.3	6,921.5	65.4	1.4	-88.74	-2,922.8	586.1	1,756.4	1,692.3	64.07	27.416	
10,200.0	6,971.6	6,922.8	6,922.0	66.6	1.4	-88.75	-2,922.8	586.1	1,762.5	1,697.2	65.26	27.008	
10,236.2	6,971.5	6,923.1	6,922.3	67.2	1.4	-88.76	-2,922.8	586.1	1,767.0	1,701.0	65.95	26.793	
10,300.0	6,971.2	6,923.6	6,922.7	68.4	1.4	-88.78	-2,922.8	586.1	1,776.7	1,709.5	67.17	26.450	
10,334.6	6,971.0	6,923.8	6,923.0	69.0	1.4	-88.78	-2,922.8	586.1	1,782.9	1,715.1	67.84	26.282	
10,400.0	6,970.7	6,924.3	6,923.5	70.2	1.4	-88.80	-2,922.9	586.1	1,796.4	1,727.4	69.09	26.000	
10,433.0	6,970.5	6,924.6	6,923.8	70.9	1.4	-88.81	-2,922.9	586.1	1,804.1	1,734.4	69.73	25.873	
10,500.0	6,970.2	6,925.1	6,924.3	72.1	1.4	-88.83	-2,922.9	586.1	1,821.5	1,750.4	71.02	25.647	
10,531.5	6,970.0	6,925.3	6,924.5	72.7	1.4	-88.83	-2,922.9	586.1	1,830.4	1,758.8	71.63	25.554	
10,600.0	6,969.7	6,925.9	6,925.0	74.0	1.4	-88.85	-2,922.9	586.1	1,851.5	1,778.6	72.95	25.381	
10,629.9	6,969.5	6,926.1	6,925.3	74.5	1.4	-88.86	-2,922.9	586.2	1,861.5	1,788.0	73.53	25.317	
10,700.0	6,969.2	6,926.6	6,925.8	75.8	1.4	-88.88	-2,922.9	586.2	1,886.5	1,811.6	74.88	25.192	
10,728.3	6,969.0	6,926.8	6,926.0	76.4	1.4	-88.88	-2,922.9	586.2	1,897.2	1,821.8	75.43	25.151	
10,800.0	6,968.7	6,927.4	6,926.6	77.7	1.4	-88.90	-2,922.9	586.2	1,925.9	1,849.1	76.82	25.071	
10,826.7	6,968.6	6,927.6	6,926.8	78.2	1.4	-88.91	-2,922.9	586.2	1,937.2	1,859.9	77.34	25.049	
10,900.0	6,968.2	6,928.2	6,927.3	79.6	1.4	-88.93	-2,922.9	586.2	1,969.7	1,890.9	78.76	25.009	
10,925.2	6,968.1	6,928.4	6,927.5	80.1	1.4	-88.93	-2,922.9	586.2	1,981.4	1,902.1	79.25	25.002	
11,000.0	6,967.7	6,928.9	6,928.1	81.5	1.4	-88.95	-2,922.9	586.2	2,017.5	1,936.8	80.70	25.000 SF	
11,023.6	6,967.6	6,929.1	6,928.3	81.9	1.4	-88.96	-2,922.9	586.2	2,029.3	1,948.1	81.16	25.004	
11,100.0	6,967.2	6,929.7	6,928.9	83.4	1.4	-88.98	-2,922.9	586.2	2,069.0	1,986.3	82.64	25.035	
11,122.0	6,967.1	6,929.9	6,929.0	83.8	1.4	-88.98	-2,922.9	586.2	2,080.8	1,997.7	83.07	25.048	
11,200.0	6,966.7	6,930.5	6,929.6	85.3	1.4	-89.00	-2,922.9	586.3	2,124.0	2,039.4	84.59	25.108	
11,220.4	6,966.6	6,930.6	6,929.8	85.7	1.4	-89.01	-2,922.9	586.3	2,135.6	2,050.6	84.99	25.128	
11,300.0	6,966.2	6,931.2	6,930.4	87.2	1.4	-89.03	-2,922.9	586.3	2,182.1	2,095.6	86.54	25.215	
11,318.9	6,966.1	6,931.4	6,930.5	87.5	1.4	-89.03	-2,923.0	586.3	2,193.4	2,106.5	86.91	25.239	
11,400.0	6,965.7	6,932.0	6,931.2	89.1	1.4	-89.05	-2,923.0	586.3	2,243.2	2,154.8	88.49	25.350	
11,417.3	6,965.6	6,932.1	6,931.3	89.4	1.4	-89.06	-2,923.0	586.3	2,254.1	2,165.3	88.83	25.376	
11,500.0	6,965.2	6,932.7	6,931.9	91.0	1.4	-89.08	-2,923.0	586.3	2,307.1	2,216.6	90.44	25.508	
11,515.7	6,965.2	6,932.9	6,932.0	91.3	1.4	-89.08	-2,923.0	586.3	2,317.4	2,226.6	90.75	25.535	
11,600.0	6,964.7	6,933.5	6,932.7	92.9	1.4	-89.10	-2,923.0	586.3	2,373.4	2,281.0	92.40	25.687	
11,614.1	6,964.7	6,933.6	6,932.8	93.2	1.4	-89.10	-2,923.0	586.3	2,383.0	2,290.3	92.68	25.713	
11,700.0	6,964.3	6,934.3	6,933.4	94.8	1.4	-89.13	-2,923.0	586.3	2,442.1	2,347.7	94.35	25.882	
11,712.6	6,964.2	6,934.4	6,933.5	95.1	1.4	-89.13	-2,923.0	586.3	2,450.8	2,356.2	94.60	25.907	
11,800.0	6,963.8	6,935.0	6,934.2	96.7	1.4	-89.15	-2,923.0	586.4	2,512.8	2,416.5	96.31	26.090	
11,811.0	6,963.7	6,935.1	6,934.3	97.0	1.4	-89.15	-2,923.0	586.4	2,520.7	2,424.2	96.53	26.114	
11,900.0	6,963.3	6,935.8	6,935.0	98.7	1.4	-89.18	-2,923.0	586.4	2,585.5	2,487.2	98.27	26.309	
11,909.4	6,963.2	6,935.9	6,935.0	98.9	1.4	-89.18	-2,923.0	586.4	2,592.4	2,493.9	98.46	26.330	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 21-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,000.0	6,962.8	6,936.6	6,935.7	100.6	1.4	-89.20	-2,923.0	586.4	2,659.9	2,559.7	100.23	26.537	
12,007.8	6,962.7	6,936.6	6,935.8	100.7	1.4	-89.20	-2,923.0	586.4	2,665.8	2,565.4	100.39	26.556	
12,100.0	6,962.3	6,937.3	6,936.5	102.5	1.4	-89.22	-2,923.0	586.4	2,736.0	2,633.8	102.19	26.772	
12,106.3	6,962.2	6,937.4	6,936.5	102.6	1.5	-89.23	-2,923.0	586.4	2,740.8	2,638.5	102.32	26.787	
12,200.0	6,961.8	6,938.1	6,937.3	104.5	1.5	-89.25	-2,923.0	586.4	2,813.5	2,709.4	104.16	27.012	
12,204.7	6,961.8	6,938.1	6,937.3	104.5	1.5	-89.25	-2,923.0	586.4	2,817.2	2,713.0	104.25	27.024	
12,300.0	6,961.3	6,938.8	6,938.0	106.4	1.5	-89.27	-2,923.1	586.5	2,892.5	2,786.4	106.12	27.256	
12,303.1	6,961.3	6,938.9	6,938.0	106.4	1.5	-89.28	-2,923.1	586.5	2,895.0	2,788.8	106.18	27.264	
12,400.0	6,960.8	6,939.6	6,938.8	108.3	1.5	-89.30	-2,923.1	586.5	2,972.7	2,864.6	108.09	27.503	
12,401.5	6,960.8	6,939.6	6,938.8	108.3	1.5	-89.30	-2,923.1	586.5	2,974.0	2,865.8	108.12	27.507	
12,500.0	6,960.3	6,940.4	6,939.5	110.3	1.5	-89.32	-2,923.1	586.5	3,054.1	2,944.0	110.05	27.751	
12,598.4	6,959.8	6,941.1	6,940.3	112.2	1.5	-89.35	-2,923.1	586.5	3,135.2	3,023.2	111.99	27.996	
12,600.0	6,959.8	6,941.1	6,940.3	112.2	1.5	-89.35	-2,923.1	586.5	3,136.6	3,024.5	112.02	28.000	
12,696.8	6,959.3	6,941.9	6,941.0	114.1	1.5	-89.37	-2,923.1	586.5	3,217.3	3,103.4	113.93	28.240	
12,700.0	6,959.3	6,941.9	6,941.1	114.1	1.5	-89.37	-2,923.1	586.5	3,220.0	3,106.0	113.99	28.248	
12,795.2	6,958.8	6,942.6	6,941.8	116.0	1.5	-89.40	-2,923.1	586.5	3,300.3	3,184.5	115.87	28.484	
12,800.0	6,958.8	6,942.7	6,941.8	116.1	1.5	-89.40	-2,923.1	586.5	3,304.4	3,188.4	115.96	28.496	
12,893.7	6,958.3	6,943.4	6,942.5	117.9	1.5	-89.42	-2,923.1	586.6	3,384.2	3,266.4	117.80	28.727	
12,900.0	6,958.3	6,943.4	6,942.6	118.0	1.5	-89.42	-2,923.1	586.6	3,389.6	3,271.7	117.93	28.743	
12,992.1	6,957.9	6,944.1	6,943.3	119.8	1.5	-89.45	-2,923.1	586.6	3,468.8	3,349.0	119.74	28.968	
13,000.0	6,957.8	6,944.2	6,943.3	120.0	1.5	-89.45	-2,923.1	586.6	3,475.6	3,355.7	119.90	28.988	
13,090.5	6,957.4	6,944.9	6,944.0	121.7	1.5	-89.47	-2,923.1	586.6	3,554.1	3,432.4	121.68	29.208	
13,100.0	6,957.3	6,944.9	6,944.1	121.9	1.5	-89.47	-2,923.1	586.6	3,562.3	3,440.5	121.87	29.230	
13,188.9	6,956.9	6,945.6	6,944.8	123.6	1.5	-89.49	-2,923.1	586.6	3,640.1	3,516.4	123.63	29.444	
13,200.0	6,956.8	6,945.7	6,944.9	123.9	1.5	-89.50	-2,923.1	586.6	3,649.8	3,525.9	123.84	29.471	
13,287.4	6,956.4	6,946.4	6,945.5	125.6	1.5	-89.52	-2,923.2	586.6	3,726.7	3,601.1	125.57	29.679	
13,300.0	6,956.3	6,946.5	6,945.6	125.8	1.5	-89.52	-2,923.2	586.6	3,737.8	3,612.0	125.82	29.708	
13,385.8	6,955.9	6,947.1	6,946.3	127.5	1.5	-89.54	-2,923.2	586.7	3,813.8	3,686.3	127.51	29.910	
13,400.0	6,955.8	6,947.2	6,946.4	127.8	1.5	-89.55	-2,923.2	586.7	3,826.5	3,698.7	127.79	29.943	
13,484.2	6,955.4	6,947.9	6,947.0	129.4	1.5	-89.57	-2,923.2	586.7	3,901.5	3,772.1	129.45	30.139	
13,500.0	6,955.3	6,948.0	6,947.1	129.7	1.5	-89.57	-2,923.2	586.7	3,915.6	3,785.9	129.76	30.175	
13,582.6	6,954.9	6,948.6	6,947.8	131.3	1.5	-89.59	-2,923.2	586.7	3,989.7	3,858.3	131.40	30.364	
13,600.0	6,954.8	6,948.7	6,947.9	131.7	1.5	-89.60	-2,923.2	586.7	4,005.3	3,873.6	131.74	30.404	
13,681.1	6,954.4	6,949.3	6,948.5	133.2	1.5	-89.62	-2,923.2	586.7	4,078.4	3,945.1	133.34	30.586	
13,700.0	6,954.3	6,949.5	6,948.7	133.6	1.5	-89.62	-2,923.2	586.7	4,095.5	3,961.8	133.71	30.629	
13,779.5	6,953.9	6,950.1	6,949.3	135.2	1.5	-89.64	-2,923.2	586.7	4,167.5	4,032.2	135.29	30.805	
13,800.0	6,953.8	6,950.3	6,949.4	135.6	1.5	-89.65	-2,923.2	586.7	4,186.1	4,050.4	135.69	30.851	
13,877.9	6,953.5	6,950.8	6,950.0	137.1	1.5	-89.67	-2,923.2	586.7	4,257.0	4,119.8	137.23	31.021	
13,900.0	6,953.3	6,951.0	6,950.2	137.5	1.5	-89.67	-2,923.2	586.7	4,277.2	4,139.5	137.67	31.069	
13,976.3	6,953.0	6,951.6	6,950.8	139.0	1.5	-89.69	-2,923.2	586.8	4,346.9	4,207.8	139.18	31.233	
14,000.0	6,952.8	6,951.8	6,950.9	139.5	1.5	-89.70	-2,923.2	586.8	4,368.6	4,228.9	139.64	31.284	
14,074.8	6,952.5	6,952.3	6,951.5	140.9	1.5	-89.71	-2,923.2	586.8	4,437.2	4,296.1	141.12	31.442	
14,100.0	6,952.4	6,952.5	6,951.7	141.4	1.5	-89.72	-2,923.2	586.8	4,460.4	4,318.8	141.62	31.495	
14,170.4	6,952.0	6,953.1	6,952.2	142.8	1.5	-89.74	-2,923.2	586.8	4,525.2	4,382.2	142.95	31.656	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 644-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	168.73	-2,910.8	580.0	2,968.1				
98.4	98.4	89.8	89.8	0.1	0.1	168.73	-2,910.7	580.0	2,968.0	2,967.8	0.19	N/A	
100.0	100.0	91.5	91.5	0.1	0.1	168.73	-2,910.7	580.0	2,968.0	2,967.8	0.19	N/A	
196.8	196.8	193.9	193.9	0.3	0.2	168.73	-2,910.4	580.1	2,967.7	2,967.2	0.52	5,734.284	
200.0	200.0	197.2	197.2	0.3	0.2	168.73	-2,910.4	580.1	2,967.7	2,967.2	0.53	5,619.582	
295.3	295.3	297.9	297.9	0.5	0.3	168.73	-2,910.0	580.1	2,967.3	2,966.4	0.85	3,501.024	
300.0	300.0	302.9	302.9	0.5	0.3	168.73	-2,909.9	580.1	2,967.2	2,966.4	0.86	3,436.754	
393.7	393.7	402.0	402.0	0.8	0.4	168.72	-2,909.3	580.1	2,966.6	2,965.5	1.18	2,519.341	
400.0	400.0	408.7	408.7	0.8	0.4	168.72	-2,909.2	580.1	2,966.6	2,965.4	1.20	2,474.907	
492.1	492.1	506.1	506.1	1.0	0.5	168.72	-2,908.4	580.2	2,965.8	2,964.3	1.51	1,967.319	
500.0	500.0	514.4	514.4	1.0	0.5	168.72	-2,908.3	580.2	2,965.7	2,964.2	1.53	1,933.409	
590.5	590.5	610.1	610.1	1.2	0.6	168.71	-2,907.3	580.3	2,964.8	2,963.0	1.84	1,613.471	
600.0	600.0	620.1	620.1	1.2	0.6	168.71	-2,907.2	580.3	2,964.7	2,962.8	1.87	1,586.066	
689.0	689.0	678.9	678.9	1.4	0.7	168.71	-2,906.6	580.4	2,964.0	2,961.8	2.16	1,369.824	
696.3	696.3	682.8	682.8	1.4	0.8	168.71	-2,906.6	580.4	2,964.0	2,961.8	2.19	1,354.759	
700.0	700.0	684.8	684.7	1.4	0.8	168.71	-2,906.6	580.5	2,964.0	2,961.8	2.20	1,347.192	
787.4	787.4	738.0	738.0	1.6	0.9	168.70	-2,907.0	580.9	2,964.7	2,962.2	2.50	1,184.677	
800.0	800.0	738.0	738.0	1.7	0.9	168.70	-2,907.0	580.9	2,964.9	2,962.3	2.53	1,171.491	
885.8	885.8	781.4	781.4	1.9	0.9	168.69	-2,907.9	581.5	2,966.9	2,964.1	2.81	1,057.697	
900.0	900.0	788.7	788.7	1.9	1.0	168.69	-2,908.1	581.7	2,967.3	2,964.5	2.85	1,040.988	
984.2	984.2	830.0	829.9	2.1	1.0	168.68	-2,909.7	582.4	2,970.7	2,967.6	3.12	953.043	
1,000.0	1,000.0	830.0	829.9	2.1	1.0	168.68	-2,909.7	582.4	2,971.5	2,968.3	3.15	942.591	
1,082.7	1,082.7	885.1	885.0	2.3	1.2	-113.92	-2,912.4	583.7	2,976.5	2,973.1	3.45	861.886	
1,100.0	1,100.0	894.4	894.3	2.3	1.2	-113.91	-2,913.0	583.9	2,977.9	2,974.3	3.51	848.183	
1,181.1	1,181.0	925.0	924.7	2.5	1.2	-113.81	-2,914.9	585.0	2,985.3	2,981.5	3.75	796.224	
1,200.0	1,199.8	952.8	952.4	2.5	1.3	-113.82	-2,916.8	586.1	2,987.2	2,983.3	3.85	775.550	
1,279.5	1,279.1	1,003.7	1,003.2	2.7	1.4	-113.75	-2,920.7	588.4	2,996.5	2,992.3	4.14	722.964	
1,300.0	1,299.5	1,021.0	1,020.4	2.8	1.5	-113.75	-2,922.1	589.3	2,999.1	2,994.9	4.23	709.213	
1,377.9	1,376.9	1,057.5	1,056.7	3.0	1.6	-113.64	-2,925.2	591.4	3,010.3	3,005.8	4.51	668.195	
1,400.0	1,398.7	1,068.7	1,067.8	3.0	1.6	-113.61	-2,926.3	592.1	3,013.8	3,009.2	4.59	657.306	
1,476.4	1,474.2	1,116.0	1,114.8	3.2	1.7	-113.54	-2,931.0	595.3	3,027.1	3,022.2	4.90	617.499	
1,500.0	1,497.5	1,116.0	1,114.8	3.3	1.7	-113.45	-2,931.0	595.3	3,031.5	3,026.5	4.97	610.381	
1,574.8	1,571.0	1,162.6	1,161.0	3.5	1.8	-113.37	-2,936.2	598.8	3,046.6	3,041.2	5.31	573.708	
1,600.0	1,595.6	1,177.0	1,175.2	3.6	1.9	-113.34	-2,937.9	600.0	3,052.0	3,046.6	5.42	562.843	
1,673.2	1,667.0	1,211.0	1,208.8	3.9	2.0	-113.19	-2,942.0	603.0	3,068.7	3,063.0	5.76	532.490	
1,700.0	1,693.1	1,233.8	1,231.3	4.0	2.1	-113.19	-2,944.8	605.0	3,075.2	3,069.3	5.91	519.990	
1,735.7	1,727.6	1,254.0	1,251.3	4.1	2.1	-113.13	-2,947.5	607.0	3,084.1	3,078.0	6.10	505.364	
1,771.6	1,762.4	1,274.4	1,271.3	4.3	2.2	-113.25	-2,950.2	608.9	3,093.4	3,087.1	6.30	491.183	
1,800.0	1,789.8	1,306.0	1,302.5	4.4	2.3	-113.43	-2,954.5	612.1	3,100.8	3,094.4	6.49	477.888	
1,870.1	1,857.6	1,343.5	1,339.5	4.7	2.4	-113.64	-2,959.8	615.8	3,119.5	3,112.6	6.87	453.991	
1,900.0	1,886.6	1,370.2	1,365.7	4.8	2.5	-113.79	-2,963.6	618.5	3,127.5	3,120.5	7.06	443.070	
1,968.5	1,952.8	1,418.9	1,413.7	5.2	2.7	-114.06	-2,970.6	623.1	3,146.2	3,138.7	7.47	421.054	
2,000.0	1,983.3	1,436.1	1,430.6	5.3	2.7	-114.15	-2,973.2	624.8	3,154.9	3,147.3	7.65	412.354	
2,066.9	2,048.0	1,472.5	1,466.4	5.6	2.9	-114.36	-2,978.8	628.6	3,173.9	3,165.9	8.04	394.854	
2,100.0	2,080.0	1,494.0	1,487.5	5.8	2.9	-114.48	-2,982.2	630.9	3,183.6	3,175.3	8.24	386.475	
2,165.3	2,143.2	1,535.7	1,528.4	6.1	3.1	-114.71	-2,988.9	635.6	3,202.9	3,194.3	8.64	370.518	
2,200.0	2,176.7	1,560.1	1,552.3	6.3	3.2	-114.85	-2,992.9	638.6	3,213.3	3,204.4	8.87	362.450	
2,263.8	2,238.4	1,612.1	1,603.2	6.6	3.4	-115.15	-3,001.4	645.1	3,232.7	3,223.4	9.29	347.910	
2,300.0	2,273.4	1,649.9	1,640.2	6.8	3.6	-115.37	-3,007.5	650.0	3,243.8	3,234.2	9.55	339.621	
2,362.2	2,333.6	1,705.5	1,694.6	7.1	3.8	-115.68	-3,016.4	657.1	3,262.7	3,252.7	9.98	326.982	
2,400.0	2,370.2	1,733.3	1,721.8	7.3	3.9	-115.84	-3,020.9	660.7	3,274.4	3,264.1	10.22	320.256	
2,460.6	2,428.8	1,777.0	1,764.5	7.6	4.0	-116.09	-3,028.1	666.5	3,293.2	3,282.6	10.62	310.115	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 644-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,500.0	2,466.9	1,808.3	1,795.1	7.8	4.2	-116.27	-3,033.3	670.7	3,305.6	3,294.8	10.89	303.601	
2,559.0	2,524.0	1,854.0	1,839.7	8.1	4.4	-116.53	-3,040.9	676.9	3,324.4	3,313.1	11.29	294.533	
2,600.0	2,563.6	1,997.1	1,979.9	8.3	4.9	-117.31	-3,062.9	694.9	3,336.7	3,324.9	11.81	282.563	
2,657.5	2,619.2	2,044.5	2,026.6	8.6	5.1	-117.55	-3,069.7	700.3	3,353.6	3,341.4	12.19	275.153	
2,700.0	2,660.3	2,085.7	2,067.0	8.8	5.2	-117.76	-3,075.7	704.8	3,366.2	3,353.7	12.48	269.683	
2,755.9	2,714.4	2,146.8	2,127.2	9.1	5.5	-118.07	-3,084.6	711.2	3,382.6	3,369.7	12.88	262.531	
2,800.0	2,757.0	2,175.7	2,155.6	9.4	5.6	-118.21	-3,088.7	714.2	3,395.6	3,382.5	13.16	257.995	
2,854.3	2,809.6	2,206.9	2,186.3	9.6	5.7	-118.36	-3,093.4	717.5	3,411.9	3,398.5	13.49	252.838	
2,900.0	2,853.8	2,249.0	2,227.6	9.9	5.8	-118.57	-3,100.0	722.0	3,426.0	3,412.2	13.81	248.098	
2,952.7	2,904.8	2,249.0	2,227.6	10.2	5.8	-118.57	-3,100.0	722.0	3,442.4	3,428.4	14.07	244.747	
3,000.0	2,950.5	2,290.9	2,268.7	10.4	6.0	-118.77	-3,106.8	726.7	3,457.4	3,443.0	14.39	240.197	
3,051.2	3,000.0	2,320.3	2,297.5	10.7	6.1	-118.91	-3,111.7	730.1	3,473.8	3,459.1	14.71	236.122	
3,100.0	3,047.2	2,352.2	2,328.7	10.9	6.3	-119.07	-3,117.1	733.9	3,489.8	3,474.8	15.02	232.289	
3,149.6	3,095.2	2,406.1	2,381.4	11.2	6.5	-119.33	-3,126.1	740.6	3,506.1	3,490.8	15.39	227.828	
3,200.0	3,143.9	2,451.1	2,425.4	11.5	6.7	-119.55	-3,133.6	746.3	3,522.7	3,506.9	15.74	223.855	
3,248.0	3,190.4	2,481.8	2,455.5	11.7	6.8	-119.70	-3,138.7	750.1	3,538.6	3,522.6	16.04	220.624	
3,300.0	3,240.6	2,515.1	2,488.0	12.0	7.0	-119.86	-3,144.5	754.2	3,556.0	3,539.7	16.37	217.283	
3,346.4	3,285.6	2,548.5	2,520.6	12.3	7.1	-120.02	-3,150.5	758.1	3,571.8	3,555.2	16.67	214.307	
3,400.0	3,337.4	2,592.2	2,563.3	12.5	7.3	-120.22	-3,158.4	763.4	3,590.1	3,573.1	17.03	210.865	
3,444.9	3,380.8	2,629.1	2,599.2	12.8	7.5	-120.39	-3,165.0	767.9	3,605.6	3,588.3	17.33	208.099	
3,500.0	3,434.1	2,679.6	2,648.6	13.1	7.7	-120.62	-3,174.2	774.0	3,624.6	3,606.9	17.70	204.732	
3,543.3	3,476.0	2,719.4	2,687.4	13.3	7.8	-120.79	-3,181.4	778.6	3,639.6	3,621.6	18.00	202.190	
3,600.0	3,530.8	2,749.8	2,717.1	13.6	8.0	-120.93	-3,187.0	782.3	3,659.4	3,641.1	18.34	199.481	
3,641.7	3,571.2	2,771.5	2,738.2	13.8	8.1	-121.02	-3,191.1	785.0	3,674.2	3,655.6	18.60	197.582	
3,700.0	3,627.5	2,815.0	2,780.5	14.2	8.3	-121.22	-3,199.3	790.9	3,695.2	3,676.3	18.97	194.748	
3,740.1	3,666.4	2,831.1	2,796.2	14.4	8.4	-121.30	-3,202.4	793.2	3,709.9	3,690.7	19.21	193.166	
3,800.0	3,724.2	2,899.8	2,862.9	14.7	8.7	-121.61	-3,215.5	802.6	3,731.7	3,712.0	19.65	189.934	
3,838.6	3,761.6	2,934.1	2,896.3	14.9	8.8	-121.76	-3,222.0	807.2	3,745.7	3,725.8	19.91	188.145	
3,900.0	3,821.0	2,984.7	2,945.5	15.2	9.0	-121.98	-3,231.7	813.9	3,768.1	3,747.8	20.31	185.496	
3,937.0	3,856.8	3,124.2	3,081.8	15.4	9.6	-122.56	-3,256.8	830.3	3,780.7	3,760.0	20.77	181.988	
4,000.0	3,917.7	3,155.1	3,111.9	15.8	9.8	-122.69	-3,262.1	833.9	3,802.5	3,781.3	21.14	179.859	
4,035.4	3,951.9	3,191.0	3,147.0	16.0	9.9	-122.84	-3,268.5	838.4	3,815.0	3,793.6	21.38	178.401	
4,100.0	4,014.4	3,379.0	3,331.5	16.3	10.7	-123.58	-3,298.4	858.3	3,836.0	3,813.9	22.05	173.956	
4,133.8	4,047.1	3,407.5	3,359.6	16.5	10.8	-123.69	-3,302.6	861.0	3,846.7	3,824.4	22.27	172.727	
4,200.0	4,111.1	3,436.6	3,388.2	16.9	10.9	-123.80	-3,306.9	863.9	3,868.1	3,845.4	22.64	170.818	
4,232.3	4,142.3	3,475.0	3,425.9	17.0	11.0	-123.95	-3,312.9	868.4	3,878.9	3,856.0	22.87	169.584	
4,300.0	4,207.8	3,502.7	3,453.1	17.4	11.1	-124.07	-3,317.2	871.7	3,901.4	3,878.2	23.25	167.789	
4,330.7	4,237.5	3,572.3	3,521.3	17.6	11.4	-124.33	-3,327.8	879.3	3,911.6	3,888.0	23.53	166.202	
4,400.0	4,304.6	3,637.0	3,585.0	17.9	11.7	-124.58	-3,337.5	886.1	3,934.2	3,910.2	23.99	164.011	
4,429.1	4,332.7	3,664.4	3,612.0	18.1	11.8	-124.68	-3,341.6	888.9	3,943.7	3,919.5	24.18	163.114	
4,500.0	4,401.3	3,782.5	3,728.2	18.5	12.2	-125.13	-3,357.7	901.9	3,966.1	3,941.4	24.74	160.342	
4,527.5	4,427.9	3,800.4	3,745.9	18.6	12.3	-125.20	-3,360.0	903.9	3,974.8	3,949.9	24.90	159.630	
4,600.0	4,498.0	3,853.0	3,797.6	19.0	12.5	-125.41	-3,367.1	909.9	3,998.0	3,972.7	25.34	157.750	
4,626.0	4,523.1	3,853.0	3,797.6	19.2	12.5	-125.41	-3,367.1	909.9	4,006.5	3,981.0	25.47	157.315	
4,700.0	4,594.7	3,853.0	3,797.6	19.6	12.5	-125.41	-3,367.1	909.9	4,031.3	4,005.5	25.82	156.128	
4,724.4	4,618.3	3,853.0	3,797.6	19.7	12.5	-125.41	-3,367.1	909.9	4,039.8	4,013.8	25.94	155.753	
4,800.0	4,691.5	3,901.0	3,844.6	20.1	12.7	-125.60	-3,374.2	916.2	4,065.8	4,039.4	26.40	154.012	
4,822.8	4,713.5	3,906.6	3,850.1	20.2	12.7	-125.62	-3,375.0	917.0	4,073.9	4,047.4	26.52	153.620	
4,900.0	4,788.2	3,949.0	3,891.4	20.7	12.9	-125.80	-3,382.0	924.1	4,102.3	4,075.3	26.97	152.087	
4,921.2	4,808.7	3,949.0	3,891.4	20.8	12.9	-125.80	-3,382.0	924.1	4,110.1	4,083.0	27.07	151.808	
5,000.0	4,884.9	3,949.0	3,891.4	21.2	12.9	-125.80	-3,382.0	924.1	4,139.9	4,112.4	27.45	150.820	
5,019.7	4,903.9	3,964.9	3,906.8	21.3	13.0	-125.87	-3,384.7	927.0	4,147.5	4,119.9	27.58	150.397	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 21-6I - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 644-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	4,981.6	4,027.0	3,966.9	21.8	13.3	-126.14	-3,395.6	938.1	4,178.7	4,150.6	28.09	148.751	
5,118.1	4,999.1	4,043.0	3,982.4	21.8	13.3	-126.20	-3,398.5	940.9	4,185.8	4,157.6	28.21	148.368	
5,200.0	5,078.3	4,109.4	4,046.7	22.3	13.7	-126.48	-3,410.6	952.3	4,217.9	4,189.2	28.74	146.786	
5,216.5	5,094.3	4,123.3	4,060.2	22.4	13.7	-126.53	-3,413.1	954.6	4,224.4	4,195.6	28.84	146.470	
5,300.0	5,175.1	4,355.4	4,286.3	22.8	14.8	-127.40	-3,452.7	988.5	4,254.9	4,225.3	29.67	143.404	
5,314.9	5,189.5	4,361.7	4,292.4	22.9	14.8	-127.42	-3,453.8	989.3	4,260.4	4,230.6	29.75	143.191	
5,400.0	5,271.8	4,420.0	4,349.3	23.4	15.0	-127.63	-3,463.7	997.3	4,291.8	4,261.5	30.26	141.823	
5,413.4	5,284.7	4,420.0	4,349.3	23.5	15.0	-127.63	-3,463.7	997.3	4,296.7	4,266.4	30.32	141.692	
5,500.0	5,368.5	4,515.0	4,442.0	23.9	15.5	-127.95	-3,480.0	1,010.0	4,328.9	4,298.0	30.91	140.057	
5,511.8	5,379.9	4,515.0	4,442.0	24.0	15.5	-127.95	-3,480.0	1,010.0	4,333.3	4,302.3	30.96	139.947	
5,600.0	5,465.2	4,577.7	4,503.3	24.5	15.7	-128.17	-3,490.5	1,018.4	4,365.9	4,334.4	31.49	138.632	
5,610.2	5,475.1	4,582.8	4,508.3	24.5	15.8	-128.18	-3,491.4	1,019.1	4,369.7	4,338.2	31.55	138.502	
5,647.2	5,510.9	4,609.0	4,533.8	24.7	15.9	-128.27	-3,495.9	1,022.8	4,383.7	4,351.9	31.77	137.980	
5,700.0	5,562.1	4,716.5	4,638.7	25.0	16.3	-128.95	-3,513.9	1,037.7	4,403.1	4,371.0	32.14	137.012	
5,708.6	5,570.5	4,723.6	4,645.7	25.0	16.4	-129.03	-3,515.0	1,038.7	4,406.2	4,374.0	32.17	136.964	
5,800.0	5,659.6	4,849.6	4,768.8	25.3	16.9	-129.92	-3,534.5	1,056.8	4,437.7	4,405.1	32.63	136.014	
5,807.1	5,666.6	4,891.0	4,809.4	25.4	17.1	-130.07	-3,540.4	1,062.6	4,440.0	4,407.3	32.72	135.688	
5,900.0	5,757.9	4,950.3	4,867.5	25.7	17.3	-130.69	-3,548.8	1,070.9	4,468.9	4,435.9	33.04	135.266	
5,905.5	5,763.3	4,953.6	4,870.8	25.7	17.3	-130.73	-3,549.2	1,071.4	4,470.6	4,437.5	33.05	135.248	
6,000.0	5,856.7	5,117.3	5,031.4	26.0	18.0	-131.51	-3,571.7	1,093.6	4,497.4	4,463.8	33.57	133.989	
6,003.9	5,860.6	5,119.5	5,033.5	26.0	18.0	-131.53	-3,572.0	1,093.9	4,498.4	4,464.8	33.58	133.978	
6,100.0	5,956.1	5,173.1	5,086.2	26.2	18.2	-132.00	-3,579.6	1,100.6	4,523.5	4,489.7	33.84	133.674	
6,102.3	5,958.4	5,181.8	5,094.7	26.2	18.2	-132.03	-3,580.8	1,101.7	4,524.1	4,490.2	33.86	133.606	
6,200.0	6,055.7	5,338.7	5,249.0	26.4	18.8	-132.56	-3,602.5	1,120.0	4,546.5	4,512.2	34.33	132.439	
6,200.8	6,056.5	5,339.4	5,249.7	26.4	18.8	-132.56	-3,602.6	1,120.1	4,546.7	4,512.3	34.33	132.434	
6,299.2	6,154.8	6,260.7	6,166.2	26.5	21.0	-133.13	-3,669.6	1,159.3	4,557.8	4,521.5	36.27	125.649	
6,300.0	6,155.6	6,261.5	6,166.9	26.5	21.0	-133.13	-3,669.6	1,159.3	4,557.8	4,521.6	36.28	125.640	
6,382.9	6,238.5	6,331.0	6,236.4	26.6	21.1	149.52	-3,669.3	1,159.3	4,558.3	4,521.8	36.47	125.001	
6,397.6	6,253.2	6,341.1	6,246.6	26.6	21.1	149.52	-3,669.2	1,159.3	4,558.2	4,521.7	36.50	124.877	
6,400.0	6,255.6	6,342.8	6,248.2	26.6	21.1	149.52	-3,669.2	1,159.3	4,558.2	4,521.7	36.51	124.858	
6,412.9	6,268.5	6,351.7	6,257.1	26.6	21.2	149.52	-3,669.2	1,159.3	4,558.2	4,521.7	36.54	124.745	
6,450.0	6,305.6	6,377.3	6,282.7	26.7	21.2	-30.72	-3,669.2	1,159.4	4,557.4	4,520.8	36.66	124.327	
6,496.0	6,351.5	6,413.7	6,319.1	26.7	21.2	-30.88	-3,669.3	1,159.5	4,554.3	4,517.6	36.63	124.323	
6,500.0	6,355.4	6,417.8	6,323.2	26.7	21.2	-30.90	-3,669.3	1,159.5	4,553.9	4,517.3	36.63	124.336	
6,550.0	6,404.8	6,469.9	6,375.3	26.7	21.3	-31.22	-3,669.5	1,159.6	4,547.4	4,510.9	36.46	124.715	
6,594.5	6,448.1	6,515.0	6,420.4	26.8	21.4	-31.63	-3,669.7	1,159.4	4,539.1	4,502.9	36.19	125.413	
6,600.0	6,453.5	6,520.4	6,425.9	26.8	21.4	-31.69	-3,669.8	1,159.4	4,537.9	4,501.7	36.15	125.526	
6,650.0	6,501.3	6,569.2	6,474.6	26.8	21.4	-32.33	-3,670.1	1,159.2	4,525.5	4,489.8	35.70	126.749	
6,692.9	6,541.4	6,606.4	6,511.8	26.8	21.5	-33.00	-3,670.3	1,159.0	4,512.7	4,477.4	35.22	128.116	
6,700.0	6,548.0	6,611.7	6,517.2	26.8	21.5	-33.12	-3,670.4	1,159.0	4,510.3	4,475.2	35.13	128.375	
6,750.0	6,593.3	6,649.1	6,554.5	26.8	21.5	-34.08	-3,670.7	1,158.7	4,492.5	4,458.0	34.46	130.354	
6,791.3	6,629.6	6,686.0	6,591.4	26.8	21.6	-35.05	-3,671.2	1,158.4	4,475.8	4,441.9	33.87	132.144	
6,800.0	6,637.0	6,686.0	6,591.4	26.8	21.6	-35.24	-3,671.2	1,158.4	4,472.1	4,438.3	33.73	132.586	
6,850.0	6,679.0	6,729.8	6,635.2	26.8	21.6	-36.64	-3,671.8	1,158.1	4,449.1	4,416.2	32.98	134.912	
6,889.7	6,710.9	6,763.9	6,669.3	26.8	21.7	-37.94	-3,672.2	1,157.8	4,429.2	4,396.8	32.39	136.728	
6,900.0	6,718.9	6,772.5	6,677.9	26.8	21.7	-38.30	-3,672.3	1,157.8	4,423.8	4,391.6	32.24	137.196	
6,950.0	6,756.7	6,805.7	6,711.1	26.8	21.7	-40.19	-3,672.7	1,157.5	4,396.2	4,364.6	31.57	139.254	
6,988.2	6,783.9	6,828.8	6,734.2	26.8	21.8	-41.81	-3,673.0	1,157.3	4,373.7	4,342.6	31.14	140.447	
7,000.0	6,792.0	6,835.7	6,741.1	26.8	21.8	-42.35	-3,673.1	1,157.3	4,366.5	4,335.5	31.02	140.760	
7,050.0	6,824.8	6,863.6	6,769.1	26.8	21.8	-44.84	-3,673.6	1,157.0	4,335.0	4,304.3	30.67	141.363	
7,086.6	6,847.2	6,883.4	6,788.8	26.8	21.9	-46.89	-3,673.9	1,156.9	4,310.7	4,280.1	30.59	140.937	
7,100.0	6,854.9	6,890.5	6,795.9	26.8	21.9	-47.69	-3,674.0	1,156.8	4,301.6	4,271.1	30.57	140.717	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 21-6I - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 644-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	6,915.6	6,821.0	26.8	21.9	-50.94	-3,674.5	1,156.5	4,266.7	4,235.9	30.78	138.600	
7,185.0	6,899.5	6,931.7	6,837.1	26.8	21.9	-53.46	-3,674.9	1,156.4	4,241.4	4,210.3	31.13	136.244	
7,200.0	6,906.5	6,938.2	6,843.5	26.9	21.9	-54.61	-3,675.0	1,156.3	4,230.4	4,199.1	31.34	134.994	
7,250.0	6,927.6	6,958.1	6,863.5	26.9	22.0	-58.71	-3,675.5	1,156.0	4,192.9	4,160.7	32.22	130.125	
7,283.4	6,940.0	6,967.0	6,872.4	27.0	22.0	-61.64	-3,675.7	1,155.9	4,167.2	4,134.2	32.96	126.433	
7,300.0	6,945.5	6,975.2	6,880.5	27.0	22.0	-63.23	-3,675.9	1,155.8	4,154.3	4,121.0	33.38	124.439	
7,350.0	6,960.2	6,989.2	6,894.6	27.1	22.0	-68.15	-3,676.2	1,155.6	4,115.0	4,080.3	34.73	118.483	
7,381.9	6,967.8	6,996.6	6,902.0	27.2	22.0	-71.47	-3,676.4	1,155.5	4,089.6	4,053.9	35.63	114.772	
7,400.0	6,971.5	7,000.3	6,905.6	27.2	22.0	-73.41	-3,676.4	1,155.5	4,075.0	4,038.9	36.14	112.769	
7,450.0	6,979.3	7,008.2	6,913.6	27.4	22.0	-78.90	-3,676.6	1,155.4	4,034.7	3,997.2	37.47	107.672	
7,480.3	6,982.4	7,011.6	6,916.9	27.5	22.0	-82.29	-3,676.7	1,155.4	4,010.1	3,971.9	38.20	104.965	
7,500.0	6,983.7	7,013.1	6,918.5	27.5	22.0	-84.50	-3,676.7	1,155.4	3,994.1	3,955.5	38.63	103.395	
7,541.4	6,984.7	7,014.8	6,920.2	27.7	22.0	-89.13	-3,676.8	1,155.3	3,960.5	3,921.1	39.40	100.509	
7,578.7	6,984.5	7,015.4	6,920.8	27.9	22.0	-89.14	-3,676.8	1,155.3	3,930.4	3,890.6	39.78	98.807	
7,600.0	6,984.4	7,015.7	6,921.1	28.0	22.0	-89.15	-3,676.8	1,155.3	3,913.2	3,873.2	39.99	97.852	
7,677.1	6,984.0	7,016.9	6,922.3	28.5	22.0	-89.18	-3,676.8	1,155.3	3,851.4	3,810.6	40.81	94.368	
7,700.0	6,983.9	7,017.3	6,922.6	28.6	22.0	-89.19	-3,676.8	1,155.3	3,833.2	3,792.1	41.06	93.366	
7,775.6	6,983.5	7,018.4	6,923.8	29.2	22.1	-89.22	-3,676.9	1,155.3	3,773.4	3,731.4	41.93	89.997	
7,800.0	6,983.4	7,018.8	6,924.1	29.4	22.1	-89.23	-3,676.9	1,155.3	3,754.1	3,711.9	42.21	88.941	
7,874.0	6,983.1	7,019.9	6,925.3	30.0	22.1	-89.25	-3,676.9	1,155.3	3,696.3	3,653.1	43.15	85.669	
7,900.0	6,982.9	7,020.3	6,925.7	30.3	22.1	-89.26	-3,676.9	1,155.3	3,676.1	3,632.6	43.48	84.556	
7,972.4	6,982.6	7,021.4	6,926.7	31.0	22.1	-89.29	-3,676.9	1,155.3	3,620.2	3,575.8	44.46	81.424	
8,000.0	6,982.4	7,021.8	6,927.2	31.3	22.1	-89.30	-3,676.9	1,155.3	3,599.1	3,554.3	44.84	80.271	
8,070.8	6,982.1	7,022.9	6,928.2	32.1	22.1	-89.33	-3,677.0	1,155.3	3,545.3	3,499.4	45.86	77.309	
8,100.0	6,982.0	7,023.3	6,928.7	32.4	22.1	-89.34	-3,677.0	1,155.3	3,523.3	3,477.0	46.28	76.132	
8,169.3	6,981.6	7,024.3	6,929.7	33.2	22.1	-89.36	-3,677.0	1,155.3	3,471.5	3,424.2	47.33	73.354	
8,200.0	6,981.5	7,024.8	6,930.1	33.6	22.1	-89.37	-3,677.0	1,155.3	3,448.8	3,401.0	47.79	72.165	
8,267.7	6,981.1	7,025.8	6,931.1	34.5	22.1	-89.40	-3,677.0	1,155.3	3,399.0	3,350.2	48.85	69.579	
8,300.0	6,981.0	7,026.3	6,931.6	34.9	22.1	-89.41	-3,677.0	1,155.3	3,375.5	3,326.1	49.36	68.388	
8,366.1	6,980.7	7,027.2	6,932.6	35.8	22.1	-89.44	-3,677.0	1,155.2	3,327.8	3,277.4	50.43	65.993	
8,400.0	6,980.5	7,027.7	6,933.1	36.3	22.1	-89.45	-3,677.1	1,155.2	3,303.6	3,252.7	50.98	64.809	
8,464.5	6,980.2	7,028.7	6,934.0	37.2	22.1	-89.47	-3,677.1	1,155.2	3,258.1	3,206.0	52.05	62.600	
8,500.0	6,980.0	7,029.2	6,934.5	37.7	22.1	-89.48	-3,677.1	1,155.2	3,233.3	3,180.7	52.63	61.430	
8,563.0	6,979.7	7,030.1	6,935.4	38.6	22.1	-89.51	-3,677.1	1,155.2	3,189.8	3,136.1	53.70	59.399	
8,600.0	6,979.5	7,030.6	6,936.0	39.1	22.1	-89.52	-3,677.1	1,155.2	3,164.5	3,110.2	54.33	58.248	
8,661.4	6,979.2	7,031.5	6,936.9	40.1	22.1	-89.54	-3,677.1	1,155.2	3,123.1	3,067.8	55.39	56.387	
8,700.0	6,979.0	7,032.1	6,937.4	40.7	22.1	-89.55	-3,677.2	1,155.2	3,097.5	3,041.4	56.05	55.259	
8,759.8	6,978.7	7,032.9	6,938.3	41.6	22.1	-89.58	-3,677.2	1,155.2	3,058.2	3,001.1	57.10	53.557	
8,800.0	6,978.5	7,033.5	6,938.8	42.2	22.1	-89.59	-3,677.2	1,155.2	3,032.2	2,974.4	57.81	52.455	
8,858.2	6,978.2	7,034.3	6,939.7	43.1	22.1	-89.61	-3,677.2	1,155.2	2,995.1	2,936.3	58.84	50.903	
8,900.0	6,978.0	7,034.9	6,940.3	43.8	22.1	-89.63	-3,677.2	1,155.2	2,968.9	2,909.3	59.58	49.830	
8,956.7	6,977.8	7,035.7	6,941.1	44.7	22.1	-89.64	-3,677.2	1,155.2	2,933.9	2,873.3	60.60	48.417	
9,000.0	6,977.5	7,036.3	6,941.7	45.4	22.1	-89.66	-3,677.2	1,155.2	2,907.7	2,846.3	61.38	47.375	
9,055.1	6,977.3	7,037.1	6,942.5	46.3	22.1	-89.68	-3,677.3	1,155.2	2,874.8	2,812.5	62.37	46.090	
9,100.0	6,977.1	7,037.7	6,943.1	47.1	22.1	-89.69	-3,677.3	1,155.2	2,848.6	2,785.4	63.19	45.082	
9,153.5	6,976.8	7,038.5	6,943.8	48.0	22.1	-89.71	-3,677.3	1,155.2	2,817.9	2,753.8	64.17	43.917	
9,200.0	6,976.6	7,039.1	6,944.5	48.8	22.1	-89.73	-3,677.3	1,155.2	2,791.9	2,726.9	65.02	42.942	
9,251.9	6,976.3	7,039.8	6,945.2	49.7	22.1	-89.75	-3,677.3	1,155.2	2,763.4	2,697.4	65.97	41.887	
9,300.0	6,976.1	7,040.5	6,945.9	50.5	22.1	-89.76	-3,677.3	1,155.2	2,737.6	2,670.8	66.86	40.948	
9,350.4	6,975.8	7,041.2	6,946.5	51.3	22.1	-89.78	-3,677.4	1,155.2	2,711.3	2,643.5	67.79	39.995	
9,400.0	6,975.6	7,041.9	6,947.2	52.2	22.1	-89.80	-3,677.4	1,155.1	2,686.0	2,617.3	68.71	39.092	
9,448.8	6,975.3	7,042.5	6,947.9	53.1	22.1	-89.81	-3,677.4	1,155.1	2,661.8	2,592.2	69.62	38.234	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 644-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.0	6,975.1	7,043.2	6,948.6	54.0	22.1	-89.83	-3,677.4	1,155.1	2,637.2	2,566.6	70.57	37.367	
9,547.2	6,974.9	7,043.9	6,949.2	54.8	22.1	-89.85	-3,677.4	1,155.1	2,615.1	2,543.7	71.46	36.596	
9,600.0	6,974.6	7,044.6	6,950.0	55.7	22.1	-89.86	-3,677.4	1,155.1	2,591.3	2,518.8	72.45	35.767	
9,645.6	6,974.4	7,045.2	6,950.6	56.5	22.1	-89.88	-3,677.4	1,155.1	2,571.4	2,498.0	73.31	35.076	
9,700.0	6,974.1	7,045.9	6,951.3	57.5	22.1	-89.90	-3,677.5	1,155.1	2,548.5	2,474.2	74.33	34.286	
9,744.1	6,973.9	7,046.5	6,951.9	58.3	22.1	-89.91	-3,677.5	1,155.1	2,530.6	2,455.5	75.16	33.669	
9,800.0	6,973.6	7,047.3	6,952.6	59.3	22.1	-89.93	-3,677.5	1,155.1	2,508.9	2,432.7	76.22	32.917	
9,842.5	6,973.4	7,047.9	6,953.2	60.0	22.1	-89.94	-3,677.5	1,155.1	2,493.2	2,416.1	77.03	32.368	
9,900.0	6,973.1	7,048.6	6,954.0	61.1	22.1	-89.96	-3,677.5	1,155.1	2,472.8	2,394.7	78.12	31.655	
9,940.9	6,972.9	7,049.2	6,954.5	61.8	22.1	-89.98	-3,677.5	1,155.1	2,459.1	2,380.2	78.90	31.168	
10,000.0	6,972.6	7,049.9	6,955.3	62.9	22.1	-90.00	-3,677.5	1,155.1	2,440.3	2,360.2	80.02	30.495	
10,039.3	6,972.4	7,050.5	6,955.8	63.6	22.1	-90.01	-3,677.5	1,155.1	2,428.5	2,347.7	80.77	30.065	
10,100.0	6,972.1	7,051.3	6,956.6	64.7	22.1	-90.03	-3,677.6	1,155.1	2,411.4	2,329.5	81.93	29.432	
10,137.8	6,972.0	7,051.8	6,957.1	65.4	22.1	-90.04	-3,677.6	1,155.1	2,401.5	2,318.8	82.65	29.055	
10,200.0	6,971.6	7,052.6	6,957.9	66.6	22.1	-90.06	-3,677.6	1,155.1	2,386.4	2,302.5	83.84	28.462	
10,236.2	6,971.5	7,053.0	6,958.4	67.2	22.1	-90.07	-3,677.6	1,155.1	2,378.3	2,293.8	84.54	28.133	
10,300.0	6,971.2	7,062.0	6,967.3	68.4	22.1	-90.29	-3,677.8	1,155.0	2,365.4	2,279.6	85.79	27.573	
10,334.6	6,971.0	7,062.0	6,967.3	69.0	22.1	-90.29	-3,677.8	1,155.0	2,359.0	2,272.6	86.45	27.287	
10,400.0	6,970.7	7,062.0	6,967.3	70.2	22.1	-90.29	-3,677.8	1,155.0	2,348.4	2,260.7	87.71	26.776	
10,433.0	6,970.5	7,062.0	6,967.3	70.9	22.1	-90.29	-3,677.8	1,155.0	2,343.7	2,255.3	88.34	26.530	
10,500.0	6,970.2	7,062.0	6,967.3	72.1	22.1	-90.29	-3,677.8	1,155.0	2,335.6	2,245.9	89.63	26.058	
10,531.5	6,970.0	7,062.0	6,967.3	72.7	22.1	-90.29	-3,677.8	1,155.0	2,332.4	2,242.2	90.24	25.848	
10,600.0	6,969.7	7,062.0	6,967.3	74.0	22.1	-90.29	-3,677.8	1,155.0	2,327.0	2,235.4	91.56	25.416	
10,629.9	6,969.5	7,062.0	6,967.3	74.5	22.1	-90.29	-3,677.8	1,155.0	2,325.3	2,233.1	92.13	25.238	
10,700.0	6,969.2	7,062.0	6,967.3	75.8	22.1	-90.29	-3,677.8	1,155.0	2,322.7	2,229.2	93.49	24.845	
10,728.3	6,969.0	7,062.0	6,967.3	76.4	22.1	-90.29	-3,677.8	1,155.0	2,322.2	2,228.2	94.04	24.695	
10,750.1	6,968.9	7,062.0	6,967.3	76.8	22.1	-90.29	-3,677.8	1,155.0	2,322.1	2,227.7	94.46	24.584 CC	
10,800.0	6,968.7	7,062.0	6,967.3	77.7	22.1	-90.29	-3,677.8	1,155.0	2,322.7	2,227.3	95.42	24.341 ES	
10,826.7	6,968.6	7,062.0	6,967.3	78.2	22.1	-90.29	-3,677.8	1,155.0	2,323.4	2,227.5	95.94	24.217	
10,900.0	6,968.2	7,062.0	6,967.3	79.6	22.1	-90.29	-3,677.8	1,155.0	2,327.0	2,229.6	97.36	23.901	
10,925.2	6,968.1	7,062.0	6,967.3	80.1	22.1	-90.29	-3,677.8	1,155.0	2,328.7	2,230.9	97.85	23.800	
11,000.0	6,967.7	7,062.0	6,967.3	81.5	22.1	-90.29	-3,677.8	1,155.0	2,335.6	2,236.3	99.30	23.521	
11,023.6	6,967.6	7,062.0	6,967.3	81.9	22.1	-90.29	-3,677.8	1,155.0	2,338.2	2,238.4	99.76	23.439	
11,100.0	6,967.2	7,062.0	6,967.3	83.4	22.1	-90.29	-3,677.8	1,155.0	2,348.4	2,247.1	101.24	23.196	
11,122.0	6,967.1	7,062.0	6,967.3	83.8	22.1	-90.29	-3,677.8	1,155.0	2,351.7	2,250.1	101.67	23.132	
11,200.0	6,966.7	7,062.0	6,967.3	85.3	22.1	-90.29	-3,677.8	1,155.0	2,365.3	2,262.1	103.18	22.923	
11,220.4	6,966.6	7,062.0	6,967.3	85.7	22.1	-90.29	-3,677.8	1,155.0	2,369.3	2,265.7	103.58	22.874	
11,300.0	6,966.2	7,062.0	6,967.3	87.2	22.1	-90.29	-3,677.8	1,155.0	2,386.4	2,281.2	105.13	22.699	
11,318.9	6,966.1	7,062.0	6,967.3	87.5	22.1	-90.29	-3,677.8	1,155.0	2,390.8	2,285.3	105.50	22.662	
11,400.0	6,965.7	7,068.4	6,973.7	89.1	22.1	-90.45	-3,677.9	1,155.0	2,411.4	2,304.3	107.10	22.516	
11,417.3	6,965.6	7,068.6	6,974.0	89.4	22.1	-90.46	-3,677.9	1,155.0	2,416.1	2,308.7	107.43	22.489	
11,500.0	6,965.2	7,069.7	6,975.1	91.0	22.1	-90.48	-3,677.9	1,155.0	2,440.2	2,331.2	109.05	22.377	
11,515.7	6,965.2	7,069.9	6,975.3	91.3	22.1	-90.49	-3,677.9	1,155.0	2,445.1	2,335.7	109.36	22.359	
11,600.0	6,964.7	7,071.1	6,976.4	92.9	22.1	-90.52	-3,678.0	1,155.0	2,472.8	2,361.8	111.01	22.276	
11,614.1	6,964.7	7,071.3	6,976.6	93.2	22.1	-90.52	-3,678.0	1,155.0	2,477.7	2,366.4	111.28	22.265	
11,700.0	6,964.3	7,072.4	6,977.7	94.8	22.1	-90.55	-3,678.0	1,155.0	2,508.9	2,395.9	112.96	22.210	
11,712.6	6,964.2	7,072.6	6,977.9	95.1	22.1	-90.55	-3,678.0	1,155.0	2,513.7	2,400.5	113.21	22.204	
11,800.0	6,963.8	7,073.7	6,979.0	96.7	22.1	-90.58	-3,678.0	1,155.0	2,548.4	2,433.5	114.92	22.176	
11,811.0	6,963.7	7,073.8	6,979.2	97.0	22.1	-90.59	-3,678.0	1,155.0	2,553.0	2,437.9	115.14	22.174	
11,900.0	6,963.3	7,075.0	6,980.3	98.7	22.1	-90.61	-3,678.0	1,155.0	2,591.2	2,474.4	116.88	22.170 SF	
11,909.4	6,963.2	7,075.1	6,980.5	98.9	22.1	-90.62	-3,678.1	1,155.0	2,595.4	2,478.4	117.07	22.171	
12,000.0	6,962.8	7,076.3	6,981.6	100.6	22.1	-90.65	-3,678.1	1,155.0	2,637.1	2,518.3	118.84	22.190	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 644-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,007.8	6,962.7	7,076.4	6,981.7	100.7	22.1	-90.65	-3,678.1	1,155.0	2,640.9	2,521.9	119.00	22.193	
12,100.0	6,962.3	7,077.6	6,982.9	102.5	22.1	-90.68	-3,678.1	1,155.0	2,686.0	2,565.2	120.80	22.234	
12,106.3	6,962.2	7,077.7	6,983.0	102.6	22.1	-90.68	-3,678.1	1,155.0	2,689.1	2,568.2	120.93	22.237	
12,200.0	6,961.8	7,078.8	6,984.2	104.5	22.1	-90.71	-3,678.1	1,155.0	2,737.6	2,614.8	122.77	22.299	
12,204.7	6,961.8	7,078.9	6,984.2	104.5	22.1	-90.71	-3,678.1	1,155.0	2,740.1	2,617.2	122.86	22.302	
12,300.0	6,961.3	7,080.1	6,985.4	106.4	22.1	-90.74	-3,678.2	1,155.0	2,791.8	2,667.1	124.73	22.382	
12,303.1	6,961.3	7,080.1	6,985.5	106.4	22.1	-90.74	-3,678.2	1,155.0	2,793.6	2,668.8	124.79	22.385	
12,400.0	6,960.8	7,081.3	6,986.7	108.3	22.1	-90.77	-3,678.2	1,155.0	2,848.5	2,721.8	126.70	22.483	
12,401.5	6,960.8	7,081.4	6,986.7	108.3	22.1	-90.77	-3,678.2	1,155.0	2,849.4	2,722.7	126.73	22.484	
12,500.0	6,960.3	7,082.6	6,987.9	110.3	22.1	-90.80	-3,678.2	1,155.0	2,907.6	2,778.9	128.67	22.598	
12,598.4	6,959.8	7,083.8	6,989.1	112.2	22.1	-90.83	-3,678.2	1,155.0	2,967.8	2,837.2	130.60	22.724	
12,600.0	6,959.8	7,083.8	6,989.1	112.2	22.1	-90.83	-3,678.2	1,155.0	2,968.8	2,838.2	130.63	22.727	
12,696.8	6,959.3	7,085.0	6,990.3	114.1	22.1	-90.86	-3,678.2	1,155.0	3,030.1	2,897.6	132.54	22.862	
12,700.0	6,959.3	7,085.0	6,990.4	114.1	22.1	-90.86	-3,678.2	1,155.0	3,032.2	2,899.6	132.60	22.867	
12,795.2	6,958.8	7,086.2	6,991.5	116.0	22.1	-90.89	-3,678.3	1,155.0	3,094.3	2,959.8	134.48	23.010	
12,800.0	6,958.8	7,086.2	6,991.6	116.1	22.2	-90.89	-3,678.3	1,155.0	3,097.4	2,962.8	134.57	23.017	
12,893.7	6,958.3	7,087.3	6,992.7	117.9	22.2	-90.92	-3,678.3	1,155.0	3,160.2	3,023.7	136.42	23.166	
12,900.0	6,958.3	7,087.4	6,992.8	118.0	22.2	-90.92	-3,678.3	1,155.0	3,164.5	3,027.9	136.54	23.176	
12,992.1	6,957.9	7,088.5	6,993.8	119.8	22.2	-90.95	-3,678.3	1,155.0	3,227.7	3,089.4	138.36	23.329	
13,000.0	6,957.8	7,088.6	6,993.9	120.0	22.2	-90.95	-3,678.3	1,155.0	3,233.2	3,094.7	138.51	23.343	
13,090.5	6,957.4	7,089.7	6,995.0	121.7	22.2	-90.98	-3,678.3	1,155.0	3,296.8	3,156.5	140.30	23.499	
13,100.0	6,957.3	7,089.8	6,995.1	121.9	22.2	-90.98	-3,678.3	1,155.0	3,303.6	3,163.1	140.48	23.516	
13,188.9	6,956.9	7,090.8	6,996.1	123.6	22.2	-91.00	-3,678.4	1,154.9	3,367.4	3,225.2	142.24	23.675	
13,200.0	6,956.8	7,090.9	6,996.3	123.9	22.2	-91.01	-3,678.4	1,154.9	3,375.4	3,233.0	142.45	23.695	
13,287.4	6,956.4	7,091.9	6,997.3	125.6	22.2	-91.03	-3,678.4	1,154.9	3,439.4	3,295.2	144.18	23.855	
13,300.0	6,956.3	7,092.1	6,997.4	125.8	22.2	-91.03	-3,678.4	1,154.9	3,448.7	3,304.3	144.43	23.878	
13,385.8	6,955.9	7,093.1	6,998.4	127.5	22.2	-91.06	-3,678.4	1,154.9	3,512.6	3,366.5	146.12	24.039	
13,400.0	6,955.8	7,093.2	6,998.6	127.8	22.2	-91.06	-3,678.4	1,154.9	3,523.3	3,376.9	146.40	24.066	
13,484.2	6,955.4	7,094.2	6,999.5	129.4	22.2	-91.09	-3,678.4	1,154.9	3,587.0	3,439.0	148.06	24.226	
13,500.0	6,955.3	7,094.4	6,999.7	129.7	22.2	-91.09	-3,678.4	1,154.9	3,599.1	3,450.7	148.37	24.257	
13,582.6	6,954.9	7,095.3	7,000.6	131.3	22.2	-91.11	-3,678.4	1,154.9	3,662.6	3,512.6	150.01	24.416	
13,600.0	6,954.8	7,095.5	7,000.8	131.7	22.2	-91.12	-3,678.4	1,154.9	3,676.0	3,525.7	150.35	24.450	
13,681.1	6,954.4	7,096.4	7,001.7	133.2	22.2	-91.14	-3,678.5	1,154.9	3,739.2	3,587.3	151.95	24.608	
13,700.0	6,954.3	7,096.6	7,001.9	133.6	22.2	-91.15	-3,678.5	1,154.9	3,754.1	3,601.7	152.32	24.646	
13,779.5	6,953.9	7,097.5	7,002.8	135.2	22.2	-91.17	-3,678.5	1,154.9	3,816.8	3,663.0	153.89	24.802	
13,800.0	6,953.8	7,097.7	7,003.0	135.6	22.2	-91.17	-3,678.5	1,154.9	3,833.1	3,678.8	154.30	24.842	
13,877.9	6,953.5	7,098.5	7,003.9	137.1	22.2	-91.19	-3,678.5	1,154.9	3,895.4	3,739.6	155.84	24.997	
13,900.0	6,953.3	7,098.8	7,004.1	137.5	22.2	-91.20	-3,678.5	1,154.9	3,913.2	3,756.9	156.27	25.040	
13,976.3	6,953.0	7,099.6	7,005.0	139.0	22.2	-91.22	-3,678.5	1,154.9	3,974.9	3,817.1	157.78	25.192	
14,000.0	6,952.8	7,099.9	7,005.2	139.5	22.2	-91.23	-3,678.5	1,154.9	3,994.1	3,835.8	158.25	25.239	
14,074.8	6,952.5	7,100.7	7,006.0	140.9	22.2	-91.25	-3,678.5	1,154.9	4,055.2	3,895.4	159.73	25.388	
14,100.0	6,952.4	7,101.0	7,006.3	141.4	22.2	-91.25	-3,678.5	1,154.9	4,075.9	3,915.6	160.23	25.438	
14,170.4	6,952.0	7,101.7	7,007.0	142.8	22.2	-91.27	-3,678.6	1,154.9	4,133.9	3,972.3	161.56	25.588	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 22-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	172.73	-4,240.5	541.0	4,274.9				
98.4	98.4	80.8	80.8	0.1	0.1	172.73	-4,240.5	540.8	4,274.9	4,274.7	0.15	N/A	
100.0	100.0	82.4	82.4	0.1	0.1	172.73	-4,240.5	540.8	4,274.9	4,274.7	0.15	N/A	
196.8	196.8	200.0	200.0	0.3	0.2	172.74	-4,240.3	540.2	4,274.6	4,274.1	0.51	8,300.420	
200.0	200.0	200.0	200.0	0.3	0.2	172.74	-4,240.3	540.2	4,274.6	4,274.1	0.52	8,187.823	
285.5	285.5	266.0	266.0	0.5	0.2	172.74	-4,240.2	539.9	4,274.4	4,273.6	0.75	5,680.475	
295.3	295.3	273.2	273.2	0.5	0.2	172.74	-4,240.2	539.8	4,274.4	4,273.6	0.78	5,489.424	
300.0	300.0	276.7	276.7	0.5	0.2	172.74	-4,240.2	539.8	4,274.4	4,273.6	0.79	5,401.734	
393.7	393.7	357.7	357.7	0.8	0.3	172.75	-4,240.5	539.5	4,274.7	4,273.6	1.05	4,090.234	
400.0	400.0	363.5	363.5	0.8	0.3	172.75	-4,240.5	539.5	4,274.7	4,273.6	1.06	4,024.533	
492.1	492.1	480.9	480.9	1.0	0.3	172.75	-4,240.7	539.6	4,274.9	4,273.6	1.29	3,305.919	
500.0	500.0	492.9	492.9	1.0	0.3	172.75	-4,240.7	539.6	4,274.9	4,273.6	1.31	3,259.305	
590.5	590.5	592.7	592.7	1.2	0.4	172.75	-4,240.3	539.5	4,274.5	4,273.0	1.55	2,749.387	
600.0	600.0	600.0	600.0	1.2	0.4	172.75	-4,240.3	539.4	4,274.5	4,272.9	1.58	2,707.210	
689.0	689.0	679.3	679.3	1.4	0.4	172.76	-4,240.0	538.9	4,274.1	4,272.3	1.82	2,344.723	
700.0	700.0	688.9	688.8	1.4	0.4	172.76	-4,240.0	538.8	4,274.1	4,272.3	1.85	2,306.670	
749.3	749.3	729.8	729.8	1.6	0.4	172.76	-4,240.0	538.5	4,274.1	4,272.1	1.98	2,154.290	
787.4	787.4	761.0	761.0	1.6	0.4	172.77	-4,240.1	538.3	4,274.1	4,272.0	2.08	2,050.721	
800.0	800.0	771.3	771.3	1.7	0.5	172.77	-4,240.1	538.2	4,274.1	4,272.0	2.12	2,018.621	
885.8	885.8	864.5	864.5	1.9	0.5	172.77	-4,240.3	538.0	4,274.3	4,272.0	2.32	1,839.477	
900.0	900.0	882.5	882.5	1.9	0.5	172.77	-4,240.3	538.0	4,274.3	4,272.0	2.36	1,814.601	
984.2	984.2	991.6	991.6	2.1	0.5	172.77	-4,240.0	538.0	4,274.1	4,271.5	2.57	1,663.254	
1,000.0	1,000.0	1,008.4	1,008.4	2.1	0.5	172.77	-4,239.9	537.9	4,273.9	4,271.3	2.61	1,637.095	
1,046.1	1,046.1	1,050.0	1,050.0	2.2	0.5	-109.91	-4,239.6	537.8	4,273.8	4,271.1	2.72	1,570.539	
1,082.7	1,082.7	1,083.1	1,083.1	2.3	0.5	-109.92	-4,239.5	537.6	4,273.9	4,271.1	2.81	1,519.150	
1,100.0	1,100.0	1,100.0	1,100.0	2.3	0.5	-109.92	-4,239.4	537.4	4,274.0	4,271.1	2.86	1,495.706	
1,181.1	1,181.0	1,162.9	1,162.9	2.5	0.6	-109.93	-4,239.3	537.0	4,275.2	4,272.1	3.05	1,401.097	
1,200.0	1,199.8	1,177.8	1,177.8	2.5	0.6	-109.93	-4,239.4	536.9	4,275.6	4,272.5	3.10	1,380.740	
1,279.5	1,279.1	1,264.2	1,264.2	2.7	0.6	-109.98	-4,239.5	536.6	4,277.9	4,274.7	3.29	1,301.836	
1,300.0	1,299.5	1,289.7	1,289.7	2.8	0.6	-110.00	-4,239.4	536.7	4,278.6	4,275.3	3.33	1,283.624	
1,377.9	1,376.9	1,380.0	1,380.0	3.0	0.6	-110.08	-4,239.1	536.5	4,281.5	4,277.9	3.54	1,209.040	
1,400.0	1,398.7	1,400.0	1,400.0	3.0	0.6	-110.09	-4,239.0	536.4	4,282.4	4,278.8	3.60	1,189.821	
1,476.4	1,474.2	1,465.3	1,465.3	3.2	0.6	-110.14	-4,238.8	535.9	4,286.1	4,282.3	3.83	1,117.705	
1,500.0	1,497.5	1,484.3	1,484.2	3.3	0.6	-110.15	-4,238.7	535.8	4,287.5	4,283.6	3.91	1,097.362	
1,574.8	1,571.0	1,596.3	1,596.3	3.5	0.7	-110.33	-4,238.2	535.6	4,292.0	4,287.9	4.17	1,028.817	
1,600.0	1,595.6	1,621.1	1,621.1	3.6	0.7	-110.37	-4,238.0	535.6	4,293.6	4,289.3	4.26	1,008.269	
1,673.2	1,667.0	1,687.9	1,687.8	3.9	0.7	-110.45	-4,237.3	535.2	4,298.6	4,294.1	4.54	946.250	
1,700.0	1,693.1	1,700.0	1,700.0	4.0	0.7	-110.45	-4,237.2	535.1	4,300.6	4,296.0	4.64	926.352	
1,735.7	1,727.6	1,737.4	1,737.3	4.1	0.7	-110.50	-4,237.0	534.7	4,303.5	4,298.7	4.80	897.021	
1,771.6	1,762.4	1,764.6	1,764.6	4.3	0.7	-110.59	-4,236.8	534.6	4,306.6	4,301.7	4.95	869.166	
1,800.0	1,789.8	1,786.1	1,786.0	4.4	0.7	-110.66	-4,236.8	534.5	4,309.1	4,304.0	5.08	848.536	
1,870.1	1,857.6	1,878.4	1,878.3	4.7	0.8	-110.95	-4,236.2	534.6	4,315.2	4,309.8	5.41	797.875	
1,900.0	1,886.6	1,900.0	1,900.0	4.8	0.8	-111.02	-4,236.0	534.7	4,317.7	4,312.2	5.54	778.939	
1,968.5	1,952.8	1,960.4	1,960.4	5.2	0.8	-111.22	-4,235.4	535.0	4,323.6	4,317.7	5.87	736.953	
2,000.0	1,983.3	1,983.0	1,983.0	5.3	0.8	-111.29	-4,235.3	535.1	4,326.4	4,320.4	6.01	719.366	
2,066.9	2,048.0	2,036.5	2,036.5	5.6	0.8	-111.46	-4,235.1	535.3	4,332.6	4,326.2	6.34	683.748	
2,100.0	2,080.0	2,064.4	2,064.3	5.8	0.8	-111.55	-4,235.0	535.5	4,335.7	4,329.2	6.50	667.477	
2,165.3	2,143.2	2,137.6	2,137.6	6.1	0.8	-111.79	-4,234.8	536.3	4,342.0	4,335.1	6.82	636.709	
2,200.0	2,176.7	2,194.4	2,194.4	6.3	0.9	-111.98	-4,234.4	536.9	4,345.1	4,338.1	6.99	621.319	
2,263.8	2,238.4	2,239.9	2,239.8	6.6	0.9	-112.12	-4,234.0	537.4	4,350.9	4,343.6	7.31	595.567	
2,300.0	2,273.4	2,263.8	2,263.8	6.8	0.9	-112.20	-4,233.8	537.6	4,354.4	4,346.9	7.48	581.963	
2,362.2	2,333.6	2,310.9	2,310.9	7.1	0.9	-112.35	-4,233.8	537.9	4,360.5	4,352.7	7.79	559.710	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 22-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,400.0	2,370.2	2,366.0	2,365.9	7.3	0.9	-112.53	-4,233.6	538.4	4,364.2	4,356.2	7.98	546.691	
2,460.6	2,428.8	2,432.7	2,432.6	7.6	0.9	-112.75	-4,233.1	539.1	4,370.0	4,361.7	8.29	527.091	
2,500.0	2,466.9	2,467.3	2,467.3	7.8	0.9	-112.86	-4,232.9	539.4	4,373.8	4,365.3	8.49	515.225	
2,559.0	2,524.0	2,526.1	2,526.0	8.1	0.9	-113.04	-4,232.6	539.5	4,379.5	4,370.7	8.79	498.162	
2,600.0	2,563.6	2,574.6	2,574.5	8.3	0.9	-113.19	-4,232.3	539.6	4,383.5	4,374.5	9.00	486.851	
2,657.5	2,619.2	2,636.3	2,636.3	8.6	1.0	-113.38	-4,231.7	539.9	4,389.0	4,379.7	9.30	471.968	
2,700.0	2,660.3	2,679.3	2,679.2	8.8	1.0	-113.52	-4,231.4	539.9	4,393.0	4,383.5	9.52	461.650	
2,755.9	2,714.4	2,726.6	2,726.6	9.1	1.0	-113.66	-4,231.0	539.7	4,398.4	4,388.6	9.80	448.772	
2,800.0	2,757.0	2,759.7	2,759.7	9.4	1.0	-113.76	-4,230.8	539.6	4,402.7	4,392.7	10.02	439.177	
2,854.3	2,809.6	2,800.9	2,800.8	9.6	1.0	-113.89	-4,230.7	539.6	4,408.3	4,398.0	10.30	427.905	
2,900.0	2,853.8	2,870.1	2,870.0	9.9	1.0	-114.10	-4,230.3	539.8	4,412.9	4,402.3	10.54	418.547	
2,952.7	2,904.8	2,922.6	2,922.5	10.2	1.0	-114.26	-4,229.7	539.8	4,418.0	4,407.2	10.81	408.510	
3,000.0	2,950.5	2,954.9	2,954.8	10.4	1.0	-114.36	-4,229.5	539.8	4,422.7	4,411.7	11.05	400.111	
3,051.2	3,000.0	3,000.0	2,999.9	10.7	1.1	-114.49	-4,229.4	539.7	4,428.1	4,416.8	11.31	391.365	
3,100.0	3,047.2	3,038.4	3,038.4	10.9	1.1	-114.61	-4,229.3	539.7	4,433.3	4,421.7	11.56	383.479	
3,149.6	3,095.2	3,094.5	3,094.4	11.2	1.1	-114.78	-4,229.1	539.7	4,438.5	4,426.7	11.81	375.758	
3,200.0	3,143.9	3,150.8	3,150.7	11.5	1.1	-114.95	-4,228.8	539.8	4,443.8	4,431.7	12.07	368.154	
3,248.0	3,190.4	3,200.0	3,199.9	11.7	1.1	-115.09	-4,228.5	539.6	4,448.8	4,436.4	12.32	361.200	
3,300.0	3,240.6	3,238.2	3,238.1	12.0	1.1	-115.20	-4,228.3	539.4	4,454.2	4,441.6	12.58	354.121	
3,346.4	3,285.6	3,269.8	3,269.7	12.3	1.1	-115.29	-4,228.3	539.3	4,459.3	4,446.5	12.81	348.048	
3,400.0	3,337.4	3,311.8	3,311.7	12.5	1.1	-115.42	-4,228.4	539.1	4,465.3	4,452.2	13.08	341.353	
3,444.9	3,380.8	3,369.3	3,369.2	12.8	1.1	-115.59	-4,228.4	539.0	4,470.3	4,457.0	13.30	335.993	
3,500.0	3,434.1	3,426.4	3,426.3	13.1	1.1	-115.75	-4,228.3	538.9	4,476.4	4,462.8	13.58	329.608	
3,543.3	3,476.0	3,463.1	3,463.0	13.3	1.1	-115.86	-4,228.2	538.7	4,481.2	4,467.4	13.80	324.741	
3,600.0	3,530.8	3,515.6	3,515.5	13.6	1.1	-116.01	-4,228.3	538.3	4,487.7	4,473.6	14.09	318.589	
3,641.7	3,571.2	3,564.9	3,564.8	13.8	1.1	-116.15	-4,228.3	537.9	4,492.4	4,478.1	14.30	314.168	
3,700.0	3,627.5	3,637.5	3,637.5	14.2	1.2	-116.36	-4,228.1	537.5	4,498.8	4,484.2	14.60	308.169	
3,740.1	3,666.4	3,690.6	3,690.5	14.4	1.2	-116.50	-4,227.8	536.8	4,503.2	4,488.3	14.81	304.139	
3,800.0	3,724.2	3,746.7	3,746.6	14.7	1.2	-116.66	-4,227.4	536.0	4,509.5	4,494.4	15.11	298.381	
3,838.6	3,761.6	3,780.8	3,780.7	14.9	1.2	-116.75	-4,227.2	535.6	4,513.7	4,498.4	15.31	294.801	
3,900.0	3,821.0	3,836.7	3,836.5	15.2	1.2	-116.91	-4,226.9	535.2	4,520.4	4,504.8	15.63	289.302	
3,937.0	3,856.8	3,870.9	3,870.7	15.4	1.2	-117.00	-4,226.7	534.7	4,524.5	4,508.7	15.81	286.096	
4,000.0	3,917.7	3,930.6	3,930.5	15.8	1.3	-117.17	-4,226.5	533.8	4,531.5	4,515.4	16.14	280.820	
4,035.4	3,951.9	3,965.0	3,964.9	16.0	1.3	-117.26	-4,226.4	533.4	4,535.5	4,519.2	16.32	277.949	
4,100.0	4,014.4	4,037.5	4,037.4	16.3	1.3	-117.46	-4,225.9	532.9	4,542.7	4,526.1	16.65	272.863	
4,133.8	4,047.1	4,082.2	4,082.1	16.5	1.3	-117.59	-4,225.6	532.3	4,546.4	4,529.6	16.82	270.255	
4,200.0	4,111.1	4,129.1	4,129.0	16.9	1.3	-117.71	-4,225.3	531.6	4,553.7	4,536.6	17.16	265.418	
4,232.3	4,142.3	4,146.9	4,146.8	17.0	1.3	-117.76	-4,225.2	531.3	4,557.4	4,540.1	17.32	263.146	
4,300.0	4,207.8	4,200.0	4,199.8	17.4	1.3	-117.90	-4,225.4	530.4	4,565.5	4,547.9	17.66	258.540	
4,330.7	4,237.5	4,202.6	4,202.4	17.6	1.3	-117.90	-4,225.4	530.4	4,569.3	4,551.5	17.81	256.519	
4,400.0	4,304.6	4,288.4	4,288.2	17.9	1.3	-118.13	-4,225.9	529.3	4,577.9	4,559.7	18.16	252.089	
4,429.1	4,332.7	4,329.0	4,328.8	18.1	1.4	-118.24	-4,225.9	528.9	4,581.4	4,563.1	18.31	250.272	
4,500.0	4,401.3	4,422.6	4,422.5	18.5	1.4	-118.49	-4,225.6	527.6	4,589.7	4,571.0	18.66	245.970	
4,527.5	4,427.9	4,450.2	4,450.0	18.6	1.4	-118.56	-4,225.5	527.2	4,592.9	4,574.1	18.80	244.325	
4,600.0	4,498.0	4,522.1	4,521.9	19.0	1.4	-118.75	-4,225.2	525.9	4,601.2	4,582.1	19.16	240.119	
4,626.0	4,523.1	4,547.3	4,547.2	19.2	1.4	-118.82	-4,225.1	525.5	4,604.2	4,585.0	19.29	238.648	
4,700.0	4,594.7	4,615.8	4,615.6	19.6	1.4	-118.99	-4,224.8	524.2	4,612.9	4,593.2	19.66	234.578	
4,724.4	4,618.3	4,635.1	4,634.9	19.7	1.4	-119.04	-4,224.7	523.9	4,615.7	4,596.0	19.79	233.276	
4,800.0	4,691.5	4,700.0	4,699.8	20.1	1.5	-119.21	-4,224.7	522.6	4,624.8	4,604.7	20.16	229.355	
4,822.8	4,713.5	4,714.4	4,714.2	20.2	1.5	-119.25	-4,224.7	522.4	4,627.6	4,607.3	20.28	228.205	
4,900.0	4,788.2	4,781.5	4,781.3	20.7	1.5	-119.42	-4,224.7	521.5	4,637.2	4,616.5	20.66	224.426	
4,921.2	4,808.7	4,800.0	4,799.8	20.8	1.5	-119.47	-4,224.7	521.3	4,639.9	4,619.1	20.77	223.414	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 22-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.0	4,884.9	4,920.2	4,920.0	21.2	1.5	-119.81	-4,223.6	521.6	4,649.3	4,628.2	21.15	219.874	
5,019.7	4,903.9	4,937.2	4,936.9	21.3	1.5	-119.86	-4,223.4	521.7	4,651.6	4,630.4	21.24	218.976	
5,100.0	4,981.6	5,010.9	5,010.7	21.8	1.5	-120.06	-4,222.6	521.6	4,661.2	4,639.6	21.64	215.393	
5,118.1	4,999.1	5,036.2	5,036.0	21.8	1.5	-120.13	-4,222.3	521.5	4,663.4	4,641.6	21.73	214.589	
5,200.0	5,078.3	5,146.0	5,145.7	22.3	1.6	-120.43	-4,220.7	521.1	4,672.8	4,650.7	22.14	211.042	
5,216.5	5,094.3	5,167.0	5,166.7	22.4	1.6	-120.48	-4,220.3	520.9	4,674.7	4,652.5	22.22	210.342	
5,300.0	5,175.1	5,246.4	5,246.1	22.8	1.6	-120.69	-4,218.8	520.2	4,684.0	4,661.4	22.64	206.884	
5,314.9	5,189.5	5,258.5	5,258.2	22.9	1.6	-120.73	-4,218.6	520.1	4,685.7	4,663.0	22.72	206.279	
5,400.0	5,271.8	5,322.6	5,322.3	23.4	1.6	-120.90	-4,217.6	519.6	4,695.6	4,672.4	23.14	202.932	
5,413.4	5,284.7	5,331.6	5,331.3	23.5	1.6	-120.92	-4,217.5	519.6	4,697.2	4,674.0	23.21	202.420	
5,500.0	5,368.5	5,400.0	5,399.7	23.9	1.6	-121.11	-4,216.7	519.5	4,707.8	4,684.2	23.63	199.191	
5,511.8	5,379.9	5,400.0	5,399.7	24.0	1.6	-121.11	-4,216.7	519.5	4,709.3	4,685.6	23.69	198.763	
5,600.0	5,465.2	5,486.3	5,486.0	24.5	1.7	-121.34	-4,215.9	519.9	4,720.4	4,696.3	24.13	195.641	
5,610.2	5,475.1	5,496.7	5,496.4	24.5	1.7	-121.37	-4,215.8	519.9	4,721.7	4,697.6	24.18	195.287	
5,647.2	5,510.9	5,527.7	5,527.4	24.7	1.7	-121.46	-4,215.4	520.1	4,726.4	4,702.1	24.36	194.023	
5,700.0	5,562.1	5,571.1	5,570.8	25.0	1.7	-121.68	-4,215.1	520.1	4,733.0	4,708.4	24.55	192.775	
5,708.6	5,570.5	5,578.3	5,578.0	25.0	1.7	-121.72	-4,215.1	520.1	4,734.0	4,709.5	24.58	192.632	
5,800.0	5,659.6	5,636.0	5,635.7	25.3	1.7	-122.03	-4,214.8	520.2	4,744.5	4,719.6	24.82	191.159	
5,807.1	5,666.6	5,639.9	5,639.6	25.4	1.7	-122.05	-4,214.8	520.2	4,745.2	4,720.4	24.84	191.066	
5,900.0	5,757.9	5,700.0	5,699.7	25.7	1.7	-122.33	-4,215.1	520.6	4,755.0	4,729.9	25.05	189.852	
5,905.5	5,763.3	5,700.0	5,699.7	25.7	1.7	-122.34	-4,215.1	520.6	4,755.5	4,730.5	25.06	189.791	
6,000.0	5,856.7	5,807.0	5,806.6	26.0	1.7	-122.66	-4,215.5	522.3	4,764.0	4,738.8	25.23	188.835	
6,003.9	5,860.6	5,810.5	5,810.2	26.0	1.7	-122.67	-4,215.5	522.4	4,764.3	4,739.1	25.23	188.803	
6,100.0	5,956.1	5,900.0	5,899.7	26.2	1.7	-122.91	-4,215.7	523.7	4,771.1	4,745.7	25.38	187.951	
6,102.3	5,958.4	5,900.0	5,899.7	26.2	1.7	-122.91	-4,215.7	523.7	4,771.2	4,745.8	25.39	187.934	
6,200.0	6,055.7	5,984.9	5,984.6	26.4	1.7	-123.07	-4,216.2	524.6	4,776.4	4,750.9	25.51	187.233	
6,200.8	6,056.5	5,985.6	5,985.2	26.4	1.7	-123.07	-4,216.2	524.6	4,776.5	4,751.0	25.51	187.229	
6,299.2	6,154.8	6,148.2	6,147.8	26.5	1.7	-123.20	-4,216.6	524.5	4,779.1	4,753.5	25.61	186.584	
6,300.0	6,155.6	6,148.9	6,148.6	26.5	1.7	-123.20	-4,216.6	524.5	4,779.1	4,753.5	25.61	186.577	
6,382.9	6,238.5	6,219.3	6,218.9	26.6	1.7	159.46	-4,216.5	524.6	4,779.6	4,754.0	25.66	186.236	
6,397.6	6,253.2	6,230.6	6,230.3	26.6	1.7	159.46	-4,216.5	524.6	4,779.6	4,753.9	25.68	186.114	
6,400.0	6,255.6	6,232.5	6,232.1	26.6	1.7	159.46	-4,216.5	524.6	4,779.6	4,753.9	25.68	186.094	
6,412.9	6,268.5	6,242.4	6,242.1	26.6	1.7	159.46	-4,216.5	524.6	4,779.6	4,753.9	25.70	185.979	
6,450.0	6,305.6	6,271.0	6,270.6	26.7	1.7	-20.78	-4,216.5	524.7	4,778.8	4,753.1	25.72	185.787	
6,496.0	6,351.5	6,310.0	6,309.7	26.7	1.7	-20.89	-4,216.6	524.9	4,775.4	4,749.7	25.69	185.871	
6,500.0	6,355.4	6,314.8	6,314.4	26.7	1.7	-20.91	-4,216.7	524.9	4,775.0	4,749.3	25.69	185.884	
6,550.0	6,404.8	6,374.8	6,374.5	26.7	1.7	-21.16	-4,216.7	525.4	4,767.9	4,742.3	25.62	186.082	
6,594.5	6,448.1	6,416.8	6,416.4	26.8	1.7	-21.48	-4,216.6	525.8	4,758.8	4,733.3	25.52	186.451	
6,600.0	6,453.5	6,420.8	6,420.4	26.8	1.7	-21.52	-4,216.6	525.9	4,757.5	4,732.0	25.51	186.521	
6,650.0	6,501.3	6,456.2	6,455.9	26.8	1.7	-21.99	-4,216.6	526.3	4,744.1	4,718.7	25.32	187.343	
6,692.9	6,541.4	6,486.0	6,485.7	26.8	1.7	-22.49	-4,216.7	526.6	4,730.2	4,705.1	25.10	188.426	
6,700.0	6,548.0	6,500.0	6,499.6	26.8	1.7	-22.60	-4,216.8	526.7	4,727.7	4,702.6	25.06	188.639	
6,750.0	6,593.3	6,500.0	6,499.6	26.8	1.7	-23.24	-4,216.8	526.7	4,708.5	4,683.8	24.71	190.566	
6,791.3	6,629.6	6,540.3	6,540.0	26.8	1.7	-23.99	-4,217.1	527.2	4,690.4	4,666.1	24.36	192.571	
6,800.0	6,637.0	6,544.7	6,544.3	26.8	1.7	-24.15	-4,217.2	527.2	4,686.4	4,662.2	24.27	193.065	
6,850.0	6,679.0	6,569.3	6,568.9	26.8	1.7	-25.17	-4,217.5	527.5	4,661.8	4,638.1	23.76	196.243	
6,889.7	6,710.9	6,600.0	6,599.6	26.8	1.7	-26.17	-4,218.1	527.9	4,640.5	4,617.2	23.29	199.211	
6,900.0	6,718.9	6,600.0	6,599.6	26.8	1.7	-26.42	-4,218.1	527.9	4,634.7	4,611.5	23.16	200.085	
6,950.0	6,756.7	6,621.4	6,621.0	26.8	1.7	-27.86	-4,218.5	528.2	4,605.1	4,582.6	22.51	204.621	
6,988.2	6,783.9	6,644.2	6,643.8	26.8	1.7	-29.18	-4,219.0	528.6	4,581.0	4,559.0	21.98	208.427	
7,000.0	6,792.0	6,651.0	6,650.6	26.8	1.7	-29.62	-4,219.2	528.7	4,573.3	4,551.4	21.81	209.721	
7,050.0	6,824.8	6,678.6	6,678.2	26.8	1.7	-31.71	-4,219.8	529.2	4,539.2	4,518.1	21.09	215.247	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 22-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,086.6	6,847.2	6,820.4	6,820.0	26.8	1.7	-34.56	-4,221.1	531.6	4,512.6	4,492.0	20.65	218.545	
7,100.0	6,854.9	6,826.6	6,826.1	26.8	1.7	-35.31	-4,221.1	531.6	4,502.5	4,482.1	20.45	220.177	
7,150.0	6,882.2	6,848.1	6,847.6	26.8	1.7	-38.47	-4,221.1	531.8	4,463.8	4,444.0	19.83	225.125	
7,185.0	6,899.5	6,861.8	6,861.4	26.8	1.7	-41.04	-4,221.1	532.0	4,435.8	4,416.3	19.46	227.944	
7,200.0	6,906.5	6,867.3	6,866.9	26.9	1.7	-42.23	-4,221.1	532.0	4,423.6	4,404.2	19.34	228.768	
7,250.0	6,927.6	6,884.2	6,883.8	26.9	1.7	-46.72	-4,221.1	532.1	4,381.9	4,362.9	19.03	230.207	
7,283.4	6,940.0	6,900.0	6,899.6	27.0	1.7	-50.28	-4,221.2	532.3	4,353.3	4,334.4	18.97	229.489	
7,300.0	6,945.5	6,900.0	6,899.6	27.0	1.7	-52.05	-4,221.2	532.3	4,339.0	4,320.1	18.97	228.781	
7,350.0	6,960.2	6,914.4	6,914.0	27.1	1.7	-58.35	-4,221.2	532.4	4,295.2	4,276.1	19.13	224.548	
7,381.9	6,967.8	6,922.9	6,922.4	27.2	1.7	-62.89	-4,221.3	532.4	4,266.8	4,247.5	19.33	220.715	
7,400.0	6,971.5	6,927.0	6,926.5	27.2	1.7	-65.64	-4,221.3	532.5	4,250.6	4,231.1	19.46	218.379	
7,450.0	6,979.3	6,935.7	6,935.3	27.4	1.7	-73.78	-4,221.3	532.5	4,205.4	4,185.6	19.89	211.441	
7,480.3	6,982.4	6,939.2	6,938.7	27.5	1.7	-79.01	-4,221.3	532.6	4,177.9	4,157.7	20.19	206.971	
7,500.0	6,983.7	6,940.7	6,940.2	27.5	1.7	-82.48	-4,221.3	532.6	4,160.0	4,139.6	20.41	203.856	
7,541.4	6,984.7	6,941.9	6,941.4	27.7	1.7	-89.82	-4,221.3	532.6	4,122.3	4,101.2	21.10	195.357	
7,578.7	6,984.5	6,941.8	6,941.4	27.9	1.7	-89.82	-4,221.3	532.6	4,088.3	4,066.8	21.47	190.391	
7,600.0	6,984.4	6,941.7	6,941.3	28.0	1.7	-89.81	-4,221.3	532.6	4,069.0	4,047.3	21.69	187.638	
7,677.1	6,984.0	6,941.6	6,941.1	28.5	1.7	-89.81	-4,221.3	532.6	3,999.0	3,976.5	22.50	177.711	
7,700.0	6,983.9	6,941.5	6,941.1	28.6	1.7	-89.81	-4,221.3	532.6	3,978.3	3,955.6	22.75	174.910	
7,775.6	6,983.5	6,941.3	6,940.9	29.2	1.7	-89.80	-4,221.3	532.6	3,910.2	3,886.6	23.61	165.592	
7,800.0	6,983.4	6,941.3	6,940.8	29.4	1.7	-89.80	-4,221.3	532.6	3,888.2	3,864.3	23.89	162.728	
7,874.0	6,983.1	6,941.1	6,940.7	30.0	1.7	-89.79	-4,221.3	532.6	3,821.8	3,797.0	24.83	153.938	
7,900.0	6,982.9	6,941.0	6,940.6	30.3	1.7	-89.79	-4,221.3	532.6	3,798.5	3,773.4	25.15	151.006	
7,972.4	6,982.6	6,940.9	6,940.4	31.0	1.7	-89.78	-4,221.3	532.6	3,733.9	3,707.8	26.14	142.860	
8,000.0	6,982.4	6,940.8	6,940.4	31.3	1.7	-89.78	-4,221.3	532.6	3,709.4	3,682.9	26.51	139.919	
8,070.8	6,982.1	6,940.6	6,940.2	32.1	1.7	-89.78	-4,221.3	532.6	3,646.6	3,619.0	27.53	132.464	
8,100.0	6,982.0	6,940.6	6,940.1	32.4	1.7	-89.77	-4,221.3	532.6	3,620.8	3,592.9	27.95	129.557	
8,169.3	6,981.6	6,940.4	6,940.0	33.2	1.7	-89.77	-4,221.3	532.6	3,559.8	3,530.8	28.99	122.794	
8,200.0	6,981.5	6,940.3	6,939.9	33.6	1.7	-89.77	-4,221.3	532.6	3,532.9	3,503.4	29.45	119.951	
8,267.7	6,981.1	6,940.2	6,939.7	34.5	1.7	-89.76	-4,221.3	532.6	3,473.7	3,443.2	30.51	113.852	
8,300.0	6,981.0	6,940.1	6,939.7	34.9	1.7	-89.76	-4,221.3	532.6	3,445.6	3,414.6	31.02	111.092	
8,366.1	6,980.7	6,940.0	6,939.5	35.8	1.7	-89.75	-4,221.3	532.6	3,388.2	3,356.1	32.08	105.615	
8,400.0	6,980.5	6,939.9	6,939.4	36.3	1.7	-89.75	-4,221.3	532.6	3,359.0	3,326.3	32.63	102.951	
8,464.5	6,980.2	6,939.7	6,939.3	37.2	1.7	-89.75	-4,221.3	532.6	3,303.5	3,269.8	33.69	98.043	
8,500.0	6,980.0	6,939.7	6,939.2	37.7	1.7	-89.74	-4,221.3	532.6	3,273.1	3,238.9	34.28	95.482	
8,563.0	6,979.7	6,939.5	6,939.1	38.6	1.7	-89.74	-4,221.3	532.6	3,219.5	3,184.2	35.34	91.091	
8,600.0	6,979.5	6,939.4	6,939.0	39.1	1.7	-89.74	-4,221.3	532.6	3,188.1	3,152.2	35.97	88.634	
8,661.4	6,979.2	6,939.3	6,938.8	40.1	1.7	-89.73	-4,221.3	532.6	3,136.4	3,099.4	37.03	84.709	
8,700.0	6,979.0	6,939.2	6,938.8	40.7	1.7	-89.73	-4,221.3	532.6	3,104.0	3,066.4	37.69	82.358	
8,759.8	6,978.7	6,939.1	6,938.6	41.6	1.7	-89.73	-4,221.3	532.6	3,054.2	3,015.4	38.73	78.849	
8,800.0	6,978.5	6,939.0	6,938.5	42.2	1.7	-89.72	-4,221.3	532.6	3,020.9	2,981.5	39.44	76.602	
8,858.2	6,978.2	6,938.9	6,938.4	43.1	1.7	-89.72	-4,221.3	532.6	2,973.0	2,932.5	40.47	73.466	
8,900.0	6,978.0	6,938.8	6,938.3	43.8	1.7	-89.71	-4,221.3	532.6	2,938.8	2,897.6	41.21	71.321	
8,956.7	6,977.8	6,938.6	6,938.2	44.7	1.7	-89.71	-4,221.3	532.6	2,892.8	2,850.6	42.22	68.517	
9,000.0	6,977.5	6,938.5	6,938.1	45.4	1.7	-89.71	-4,221.3	532.6	2,857.9	2,814.9	43.00	66.469	
9,055.1	6,977.3	6,938.4	6,938.0	46.3	1.7	-89.70	-4,221.3	532.6	2,813.8	2,769.8	43.99	63.963	
9,100.0	6,977.1	6,938.3	6,937.9	47.1	1.7	-89.70	-4,221.3	532.6	2,778.2	2,733.4	44.80	62.009	
9,153.5	6,976.8	6,938.2	6,937.8	48.0	1.7	-89.70	-4,221.3	532.6	2,736.1	2,690.3	45.78	59.767	
9,200.0	6,976.6	6,938.1	6,937.7	48.8	1.7	-89.69	-4,221.3	532.6	2,699.8	2,653.2	46.63	57.904	
9,251.9	6,976.3	6,938.0	6,937.6	49.7	1.7	-89.69	-4,221.3	532.6	2,659.7	2,612.1	47.58	55.900	
9,300.0	6,976.1	6,937.9	6,937.4	50.5	1.7	-89.69	-4,221.3	532.6	2,622.9	2,574.5	48.46	54.124	
9,350.4	6,975.8	6,937.8	6,937.3	51.3	1.7	-89.68	-4,221.3	532.6	2,584.8	2,535.4	49.39	52.331	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 22-18 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,400.0	6,975.6	6,937.7	6,937.2	52.2	1.7	-89.68	-4,221.3	532.6	2,547.7	2,497.4	50.31	50.639	
9,448.8	6,975.3	6,937.6	6,937.1	53.1	1.7	-89.68	-4,221.3	532.5	2,511.6	2,460.3	51.22	49.037	
9,500.0	6,975.1	6,937.5	6,937.0	54.0	1.7	-89.67	-4,221.3	532.5	2,474.1	2,422.0	52.17	47.425	
9,547.2	6,974.9	6,937.4	6,936.9	54.8	1.7	-89.67	-4,221.3	532.5	2,440.1	2,387.0	53.05	45.993	
9,600.0	6,974.6	6,937.2	6,936.8	55.7	1.7	-89.66	-4,221.3	532.5	2,402.5	2,348.5	54.04	44.459	
9,645.6	6,974.4	6,937.2	6,936.7	56.5	1.7	-89.66	-4,221.3	532.5	2,370.5	2,315.6	54.90	43.182	
9,700.0	6,974.1	6,937.0	6,936.6	57.5	1.7	-89.66	-4,221.3	532.5	2,333.0	2,277.1	55.92	41.723	
9,744.1	6,973.9	6,936.9	6,936.5	58.3	1.7	-89.65	-4,221.3	532.5	2,303.1	2,246.3	56.75	40.584	
9,800.0	6,973.6	6,936.8	6,936.4	59.3	1.7	-89.65	-4,221.3	532.5	2,265.8	2,208.0	57.80	39.199	
9,842.5	6,973.4	6,936.7	6,936.3	60.0	1.7	-89.65	-4,221.3	532.5	2,237.9	2,179.3	58.61	38.186	
9,900.0	6,973.1	6,936.6	6,936.2	61.1	1.7	-89.64	-4,221.3	532.5	2,201.0	2,141.3	59.70	36.871	
9,940.9	6,972.9	6,936.5	6,936.1	61.8	1.7	-89.64	-4,221.3	532.5	2,175.3	2,114.8	60.47	35.972	
10,000.0	6,972.6	6,936.4	6,936.0	62.9	1.7	-89.64	-4,221.3	532.5	2,139.0	2,077.4	61.59	34.727	
10,039.3	6,972.4	6,936.3	6,935.9	63.6	1.7	-89.63	-4,221.3	532.5	2,115.4	2,053.1	62.34	33.931	
10,100.0	6,972.1	6,936.2	6,935.8	64.7	1.7	-89.63	-4,221.3	532.5	2,079.9	2,016.4	63.50	32.755	
10,137.8	6,972.0	6,936.1	6,935.7	65.4	1.7	-89.63	-4,221.3	532.5	2,058.4	1,994.2	64.22	32.053	
10,200.0	6,971.6	6,936.0	6,935.6	66.6	1.7	-89.62	-4,221.3	532.5	2,024.1	1,958.7	65.41	30.945	
10,236.2	6,971.5	6,935.9	6,935.5	67.2	1.7	-89.62	-4,221.3	532.5	2,004.7	1,938.6	66.10	30.328	
10,300.0	6,971.2	6,935.8	6,935.4	68.4	1.7	-89.62	-4,221.3	532.5	1,971.7	1,904.4	67.32	29.287	
10,334.6	6,971.0	6,935.7	6,935.3	69.0	1.7	-89.61	-4,221.3	532.5	1,954.5	1,886.5	67.99	28.747	
10,400.0	6,970.7	6,935.6	6,935.2	70.2	1.7	-89.61	-4,221.3	532.5	1,923.2	1,853.9	69.24	27.774	
10,433.0	6,970.5	6,935.5	6,935.1	70.9	1.7	-89.61	-4,221.3	532.5	1,908.0	1,838.1	69.88	27.304	
10,500.0	6,970.2	6,935.4	6,935.0	72.1	1.7	-89.60	-4,221.3	532.5	1,878.6	1,807.5	71.17	26.398	
10,531.5	6,970.0	6,935.3	6,934.9	72.7	1.7	-89.60	-4,221.3	532.5	1,865.5	1,793.8	71.77	25.992	
10,600.0	6,969.7	6,935.2	6,934.8	74.0	1.7	-89.60	-4,221.3	532.5	1,838.5	1,765.4	73.09	25.153	
10,629.9	6,969.5	6,935.1	6,934.7	74.5	1.7	-89.59	-4,221.3	532.5	1,827.4	1,753.7	73.67	24.805	
10,700.0	6,969.2	6,935.0	6,934.6	75.8	1.7	-89.59	-4,221.3	532.5	1,803.0	1,728.0	75.02	24.033	
10,728.3	6,969.0	6,934.9	6,934.5	76.4	1.7	-89.59	-4,221.3	532.5	1,793.9	1,718.3	75.57	23.737	
10,800.0	6,968.7	6,934.8	6,934.4	77.7	1.7	-89.58	-4,221.3	532.5	1,772.5	1,695.5	76.96	23.032	
10,826.7	6,968.6	6,934.7	6,934.3	78.2	1.7	-89.58	-4,221.3	532.5	1,765.2	1,687.7	77.48	22.784	
10,900.0	6,968.2	6,934.6	6,934.2	79.6	1.7	-89.58	-4,221.3	532.5	1,747.1	1,668.2	78.89	22.145	
10,925.2	6,968.1	6,934.5	6,934.1	80.1	1.7	-89.57	-4,221.3	532.5	1,741.6	1,662.2	79.38	21.939	
11,000.0	6,967.7	6,934.4	6,934.0	81.5	1.7	-89.57	-4,221.3	532.5	1,727.2	1,646.4	80.83	21.368	
11,023.6	6,967.6	6,934.4	6,933.9	81.9	1.7	-89.57	-4,221.3	532.5	1,723.3	1,642.0	81.29	21.199	
11,100.0	6,967.2	6,934.2	6,933.8	83.4	1.7	-89.56	-4,221.3	532.5	1,712.9	1,630.1	82.78	20.694	
11,122.0	6,967.1	6,934.2	6,933.7	83.8	1.7	-89.56	-4,221.3	532.5	1,710.5	1,627.3	83.20	20.558	
11,200.0	6,966.7	6,934.0	6,933.6	85.3	1.7	-89.56	-4,221.3	532.5	1,704.4	1,619.6	84.72	20.118	
11,220.4	6,966.6	6,934.0	6,933.5	85.7	1.7	-89.56	-4,221.3	532.5	1,703.3	1,618.2	85.12	20.012	
11,296.0	6,966.2	6,933.8	6,933.4	87.1	1.7	-89.55	-4,221.3	532.5	1,701.7	1,615.1	86.59	19.652 CC	
11,300.0	6,966.2	6,933.8	6,933.4	87.2	1.7	-89.55	-4,221.3	532.5	1,701.7	1,615.0	86.67	19.635	
11,318.9	6,966.1	6,933.8	6,933.3	87.5	1.7	-89.55	-4,221.3	532.5	1,701.8	1,614.8	87.03	19.554 ES	
11,400.0	6,965.7	6,933.6	6,933.2	89.1	1.7	-89.54	-4,221.3	532.5	1,704.8	1,616.2	88.61	19.239	
11,417.3	6,965.6	6,933.6	6,933.2	89.4	1.7	-89.54	-4,221.3	532.5	1,706.0	1,617.0	88.95	19.179	
11,500.0	6,965.2	6,933.4	6,933.0	91.0	1.7	-89.54	-4,221.3	532.5	1,713.8	1,623.3	90.56	18.924	
11,515.7	6,965.2	6,933.4	6,933.0	91.3	1.7	-89.54	-4,221.3	532.5	1,715.8	1,624.9	90.87	18.882	
11,600.0	6,964.7	6,933.2	6,932.8	92.9	1.7	-89.53	-4,221.3	532.5	1,728.6	1,636.1	92.52	18.684	
11,614.1	6,964.7	6,933.2	6,932.8	93.2	1.7	-89.53	-4,221.3	532.5	1,731.1	1,638.3	92.79	18.656	
11,700.0	6,964.3	6,933.1	6,932.6	94.8	1.7	-89.52	-4,221.3	532.5	1,749.0	1,654.5	94.47	18.513	
11,712.6	6,964.2	6,933.0	6,932.6	95.1	1.7	-89.52	-4,221.3	532.5	1,751.9	1,657.2	94.72	18.496	
11,800.0	6,963.8	6,932.9	6,932.4	96.7	1.7	-89.52	-4,221.3	532.5	1,774.7	1,678.3	96.42	18.405	
11,811.0	6,963.7	6,932.8	6,932.4	97.0	1.7	-89.52	-4,221.3	532.5	1,777.9	1,681.2	96.64	18.397	
11,900.0	6,963.3	6,932.7	6,932.2	98.7	1.7	-89.51	-4,221.3	532.5	1,805.7	1,707.3	98.38	18.354	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
11,909.4	6,963.2	6,932.7	6,932.2	98.9	1.7	-89.51	-4,221.3	532.5	1,808.8	1,710.3	98.57	18.352 SF	
12,000.0	6,962.8	6,932.5	6,932.1	100.6	1.7	-89.51	-4,221.3	532.5	1,841.5	1,741.2	100.34	18.353	
12,007.8	6,962.7	6,932.5	6,932.0	100.7	1.7	-89.50	-4,221.3	532.5	1,844.5	1,744.1	100.49	18.355	
12,100.0	6,962.3	6,932.3	6,931.9	102.5	1.7	-89.50	-4,221.3	532.5	1,882.0	1,779.7	102.30	18.397	
12,106.3	6,962.2	6,932.3	6,931.9	102.6	1.7	-89.50	-4,221.3	532.5	1,884.7	1,782.3	102.42	18.402	
12,200.0	6,961.8	6,932.1	6,931.7	104.5	1.7	-89.49	-4,221.3	532.5	1,926.9	1,822.6	104.26	18.482	
12,204.7	6,961.8	6,932.1	6,931.7	104.5	1.7	-89.49	-4,221.3	532.5	1,929.1	1,824.7	104.35	18.486	
12,300.0	6,961.3	6,931.9	6,931.5	106.4	1.7	-89.49	-4,221.3	532.5	1,975.8	1,869.5	106.22	18.600	
12,303.1	6,961.3	6,931.9	6,931.5	106.4	1.7	-89.49	-4,221.3	532.5	1,977.4	1,871.1	106.28	18.605	
12,400.0	6,960.8	6,931.8	6,931.3	108.3	1.7	-89.48	-4,221.3	532.5	2,028.4	1,920.2	108.18	18.750	
12,401.5	6,960.8	6,931.8	6,931.3	108.3	1.7	-89.48	-4,221.3	532.5	2,029.2	1,921.0	108.21	18.752	
12,500.0	6,960.3	6,931.6	6,931.1	110.3	1.7	-89.47	-4,221.3	532.5	2,084.5	1,974.4	110.15	18.925	
12,598.4	6,959.8	6,931.4	6,931.0	112.2	1.7	-89.47	-4,221.3	532.5	2,142.9	2,030.8	112.08	19.119	
12,600.0	6,959.8	6,931.4	6,931.0	112.2	1.7	-89.47	-4,221.3	532.5	2,143.8	2,031.7	112.11	19.122	
12,696.8	6,959.3	6,931.2	6,930.8	114.1	1.7	-89.46	-4,221.3	532.5	2,204.1	2,090.1	114.02	19.331	
12,700.0	6,959.3	6,931.2	6,930.8	114.1	1.7	-89.46	-4,221.3	532.5	2,206.1	2,092.0	114.08	19.338	
12,795.2	6,958.8	6,931.1	6,930.6	116.0	1.7	-89.46	-4,221.3	532.5	2,267.9	2,151.9	115.95	19.559	
12,800.0	6,958.8	6,931.0	6,930.6	116.1	1.7	-89.46	-4,221.3	532.5	2,271.0	2,155.0	116.04	19.570	
12,893.7	6,958.3	6,930.9	6,930.4	117.9	1.7	-89.45	-4,221.3	532.5	2,334.1	2,216.2	117.89	19.800	
12,900.0	6,958.3	6,930.9	6,930.4	118.0	1.7	-89.45	-4,221.3	532.5	2,338.5	2,220.5	118.01	19.815	
12,992.1	6,957.9	6,930.7	6,930.3	119.8	1.7	-89.44	-4,221.3	532.5	2,402.6	2,282.7	119.82	20.051	
13,000.0	6,957.8	6,930.7	6,930.3	120.0	1.7	-89.44	-4,221.3	532.5	2,408.2	2,288.2	119.98	20.071	
13,090.5	6,957.4	6,930.5	6,930.1	121.7	1.7	-89.44	-4,221.3	532.5	2,473.0	2,351.3	121.76	20.310	
13,100.0	6,957.3	6,930.5	6,930.1	121.9	1.7	-89.44	-4,221.3	532.5	2,479.9	2,358.0	121.95	20.336	
13,188.9	6,956.9	6,930.4	6,929.9	123.6	1.7	-89.43	-4,221.3	532.5	2,545.4	2,421.7	123.70	20.577	
13,200.0	6,956.8	6,930.3	6,929.9	123.9	1.7	-89.43	-4,221.3	532.5	2,553.6	2,429.7	123.92	20.607	
13,287.4	6,956.4	6,930.2	6,929.7	125.6	1.7	-89.43	-4,221.3	532.5	2,619.4	2,493.7	125.64	20.848	
13,300.0	6,956.3	6,930.2	6,929.7	125.8	1.7	-89.43	-4,221.3	532.5	2,629.0	2,503.1	125.89	20.883	
13,385.8	6,955.9	6,930.0	6,929.6	127.5	1.7	-89.42	-4,221.3	532.5	2,695.0	2,567.4	127.58	21.124	
13,400.0	6,955.8	6,930.0	6,929.6	127.8	1.7	-89.42	-4,221.3	532.5	2,706.0	2,578.1	127.86	21.164	
13,484.2	6,955.4	6,929.8	6,929.4	129.4	1.7	-89.42	-4,221.3	532.5	2,772.0	2,642.5	129.52	21.402	
13,500.0	6,955.3	6,929.8	6,929.4	129.7	1.7	-89.41	-4,221.3	532.5	2,784.5	2,654.6	129.83	21.447	
13,582.6	6,954.9	6,929.7	6,929.2	131.3	1.7	-89.41	-4,221.3	532.5	2,850.3	2,718.9	131.46	21.682	
13,600.0	6,954.8	6,929.6	6,929.2	131.7	1.7	-89.41	-4,221.3	532.5	2,864.3	2,732.5	131.80	21.731	
13,681.1	6,954.4	6,929.5	6,929.1	133.2	1.7	-89.40	-4,221.3	532.5	2,929.9	2,796.5	133.40	21.962	
13,700.0	6,954.3	6,929.5	6,929.0	133.6	1.7	-89.40	-4,221.3	532.5	2,945.3	2,811.5	133.78	22.017	
13,779.5	6,953.9	6,929.3	6,928.9	135.2	1.7	-89.40	-4,221.3	532.5	3,010.5	2,875.2	135.35	22.243	
13,800.0	6,953.8	6,929.3	6,928.9	135.6	1.7	-89.40	-4,221.3	532.5	3,027.5	2,891.7	135.75	22.302	
13,877.9	6,953.5	6,929.2	6,928.7	137.1	1.7	-89.39	-4,221.3	532.5	3,092.2	2,955.0	137.29	22.524	
13,900.0	6,953.3	6,929.1	6,928.7	137.5	1.7	-89.39	-4,221.3	532.5	3,110.7	2,973.0	137.72	22.586	
13,976.3	6,953.0	6,929.0	6,928.6	139.0	1.7	-89.39	-4,221.3	532.5	3,174.9	3,035.7	139.23	22.803	
14,000.0	6,952.8	6,929.0	6,928.5	139.5	1.7	-89.39	-4,221.3	532.5	3,194.9	3,055.2	139.70	22.870	
14,074.8	6,952.5	6,928.8	6,928.4	140.9	1.7	-89.38	-4,221.3	532.5	3,258.4	3,117.2	141.18	23.081	
14,100.0	6,952.4	6,928.8	6,928.4	141.4	1.7	-89.38	-4,221.3	532.5	3,279.9	3,138.3	141.67	23.151	
14,170.4	6,952.0	6,928.7	6,928.2	142.8	1.7	-89.38	-4,221.3	532.5	3,340.3	3,197.3	143.00	23.359	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> NE SW SEC. 7 T4N R64W 6th P.M. - FRY 5 - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.0 usft
Survey Program: 100-GYD_CT												<b>Offset Well Error:</b>	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-179.43	-3,657.6	-36.3	3,658.0				
98.4	98.4	66.8	66.8	0.1	0.1	-179.43	-3,657.6	-36.3	3,657.8	3,657.7	0.15	N/A	
100.0	100.0	68.4	68.4	0.1	0.1	-179.43	-3,657.6	-36.3	3,657.8	3,657.6	0.15	N/A	
165.6	165.6	132.1	132.1	0.2	0.1	-179.43	-3,657.6	-36.6	3,657.8	3,657.4	0.37	9,888.806	
196.8	196.8	160.8	160.8	0.3	0.2	-179.42	-3,657.6	-36.8	3,657.8	3,657.3	0.48	7,587.926	
200.0	200.0	163.7	163.7	0.3	0.2	-179.42	-3,657.6	-36.8	3,657.8	3,657.3	0.49	7,414.277	
295.3	295.3	295.1	295.1	0.5	0.3	-179.41	-3,657.3	-37.9	3,657.6	3,656.8	0.83	4,419.445	
300.0	300.0	300.0	300.0	0.5	0.3	-179.41	-3,657.2	-37.9	3,657.6	3,656.7	0.84	4,345.395	
393.7	393.7	391.4	391.4	0.8	0.4	-179.39	-3,656.4	-38.7	3,656.7	3,655.6	1.12	3,274.108	
400.0	400.0	397.4	397.4	0.8	0.4	-179.39	-3,656.3	-38.8	3,656.7	3,655.5	1.14	3,220.982	
492.1	492.1	527.2	527.1	1.0	0.4	-179.39	-3,654.5	-39.2	3,655.3	3,653.9	1.41	2,599.799	
500.0	500.0	536.2	536.1	1.0	0.4	-179.39	-3,654.3	-39.2	3,655.2	3,653.8	1.43	2,559.484	
590.5	590.5	631.8	631.8	1.2	0.5	-179.39	-3,652.4	-39.0	3,653.4	3,651.7	1.68	2,179.014	
600.0	600.0	640.5	640.4	1.2	0.5	-179.39	-3,652.2	-38.9	3,653.2	3,651.5	1.70	2,146.863	
689.0	689.0	728.0	727.9	1.4	0.5	-179.39	-3,650.5	-38.6	3,651.4	3,649.5	1.94	1,883.375	
700.0	700.0	740.9	740.8	1.4	0.5	-179.40	-3,650.2	-38.5	3,651.2	3,649.2	1.97	1,854.645	
787.4	787.4	838.2	838.1	1.6	0.6	-179.41	-3,648.1	-37.7	3,649.3	3,647.1	2.20	1,656.545	
800.0	800.0	851.3	851.2	1.7	0.6	-179.41	-3,647.8	-37.6	3,649.0	3,646.7	2.24	1,631.816	
885.8	885.8	934.8	934.7	1.9	0.6	-179.42	-3,645.9	-37.1	3,647.0	3,644.5	2.46	1,482.774	
900.0	900.0	947.5	947.4	1.9	0.6	-179.42	-3,645.6	-37.0	3,646.7	3,644.2	2.50	1,461.053	
984.2	984.2	1,028.6	1,028.4	2.1	0.7	-179.43	-3,643.9	-36.3	3,644.9	3,642.2	2.71	1,343.121	
1,000.0	1,000.0	1,046.0	1,045.9	2.1	0.7	-179.43	-3,643.5	-36.1	3,644.5	3,641.8	2.76	1,322.781	
1,082.7	1,082.7	1,138.5	1,138.3	2.3	0.7	-102.17	-3,641.4	-35.1	3,642.9	3,639.9	3.01	1,208.381	
1,100.0	1,100.0	1,158.1	1,157.9	2.3	0.7	-102.19	-3,640.9	-34.9	3,642.6	3,639.5	3.06	1,190.356	
1,181.1	1,181.0	1,249.2	1,249.0	2.5	0.8	-102.30	-3,638.5	-34.0	3,641.3	3,638.0	3.27	1,113.890	
1,200.0	1,199.8	1,270.3	1,270.1	2.5	0.8	-102.33	-3,637.9	-33.8	3,641.0	3,637.7	3.32	1,097.515	
1,279.5	1,279.1	1,349.7	1,349.5	2.7	0.8	-102.46	-3,635.6	-33.4	3,640.1	3,636.6	3.53	1,031.723	
1,300.0	1,299.5	1,369.0	1,368.7	2.8	0.8	-102.49	-3,635.0	-33.3	3,640.0	3,636.4	3.58	1,016.210	
1,358.7	1,357.8	1,423.7	1,423.4	2.9	0.8	-102.59	-3,633.5	-33.2	3,639.8	3,636.1	3.75	971.164	
1,377.9	1,376.9	1,441.4	1,441.1	3.0	0.8	-102.63	-3,633.0	-33.2	3,639.8	3,636.0	3.80	957.312	
1,400.0	1,398.7	1,461.7	1,461.4	3.0	0.9	-102.67	-3,632.5	-33.2	3,639.9	3,636.0	3.86	941.919	
1,476.4	1,474.2	1,537.8	1,537.4	3.2	0.9	-102.83	-3,630.5	-33.2	3,640.5	3,636.4	4.10	886.952	
1,500.0	1,497.5	1,563.4	1,563.0	3.3	0.9	-102.90	-3,629.8	-33.2	3,640.7	3,636.6	4.18	871.094	
1,574.8	1,571.0	1,646.5	1,646.1	3.5	0.9	-103.11	-3,627.5	-33.5	3,641.8	3,637.3	4.45	818.997	
1,600.0	1,595.6	1,675.1	1,674.7	3.6	0.9	-103.19	-3,626.6	-33.7	3,642.2	3,637.6	4.54	802.834	
1,673.2	1,667.0	1,743.1	1,742.7	3.9	1.0	-103.38	-3,624.5	-34.2	3,643.7	3,638.8	4.83	754.736	
1,700.0	1,693.1	1,765.6	1,765.2	4.0	1.0	-103.45	-3,623.8	-34.4	3,644.4	3,639.4	4.93	738.750	
1,735.7	1,727.6	1,800.0	1,799.5	4.1	1.0	-103.55	-3,622.9	-34.6	3,645.5	3,640.4	5.09	716.382	
1,771.6	1,762.4	1,820.6	1,820.2	4.3	1.0	-103.63	-3,622.3	-34.8	3,646.7	3,641.4	5.25	695.004	
1,800.0	1,789.8	1,839.8	1,839.3	4.4	1.0	-103.70	-3,621.9	-34.9	3,647.7	3,642.4	5.37	678.959	
1,870.1	1,857.6	1,900.0	1,899.5	4.7	1.0	-103.93	-3,620.7	-35.5	3,650.7	3,645.0	5.70	640.311	
1,900.0	1,886.6	1,909.9	1,909.4	4.8	1.0	-103.96	-3,620.6	-35.6	3,652.1	3,646.2	5.84	625.785	
1,968.5	1,952.8	1,972.2	1,971.7	5.2	1.0	-104.19	-3,619.7	-36.4	3,655.4	3,649.2	6.17	592.470	
2,000.0	1,983.3	2,001.0	2,000.5	5.3	1.1	-104.30	-3,619.3	-36.8	3,657.0	3,650.6	6.32	578.348	
2,066.9	2,048.0	2,070.0	2,069.5	5.6	1.1	-104.55	-3,618.3	-37.8	3,660.3	3,653.7	6.66	549.678	
2,100.0	2,080.0	2,100.0	2,099.5	5.8	1.1	-104.66	-3,617.9	-38.2	3,662.0	3,655.2	6.82	536.660	
2,165.3	2,143.2	2,156.9	2,156.4	6.1	1.1	-104.87	-3,617.1	-39.0	3,665.4	3,658.3	7.16	512.287	
2,200.0	2,176.7	2,185.4	2,184.8	6.3	1.1	-104.97	-3,616.8	-39.3	3,667.3	3,660.0	7.33	500.317	
2,263.8	2,238.4	2,236.2	2,235.7	6.6	1.1	-105.16	-3,616.3	-40.0	3,671.0	3,663.4	7.66	479.558	
2,300.0	2,273.4	2,264.9	2,264.3	6.8	1.1	-105.26	-3,616.1	-40.5	3,673.2	3,665.4	7.84	468.588	
2,362.2	2,333.6	2,315.0	2,314.4	7.1	1.2	-105.44	-3,615.9	-41.4	3,677.2	3,669.1	8.16	450.735	
2,400.0	2,370.2	2,346.8	2,346.2	7.3	1.2	-105.55	-3,615.8	-42.0	3,679.7	3,671.4	8.35	440.614	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 5 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,460.6	2,428.8	2,400.0	2,399.4	7.6	1.2	-105.74	-3,615.8	-43.0	3,683.9	3,675.2	8.66	425.178	
2,500.0	2,466.9	2,428.3	2,427.7	7.8	1.2	-105.84	-3,615.9	-43.5	3,686.7	3,677.9	8.87	415.860	
2,559.0	2,524.0	2,473.9	2,473.3	8.1	1.2	-106.00	-3,616.1	-44.4	3,691.2	3,682.0	9.17	402.576	
2,600.0	2,563.6	2,500.0	2,499.4	8.3	1.2	-106.09	-3,616.3	-44.9	3,694.4	3,685.0	9.38	393.898	
2,657.5	2,619.2	2,550.7	2,550.1	8.6	1.2	-106.26	-3,616.7	-46.0	3,699.1	3,689.4	9.67	382.333	
2,700.0	2,660.3	2,584.1	2,583.5	8.8	1.2	-106.38	-3,617.1	-46.6	3,702.7	3,692.8	9.89	374.250	
2,755.9	2,714.4	2,642.9	2,642.3	9.1	1.2	-106.59	-3,617.9	-47.7	3,707.5	3,697.3	10.18	364.106	
2,800.0	2,757.0	2,696.0	2,695.4	9.4	1.2	-106.77	-3,618.5	-48.8	3,711.2	3,700.8	10.41	356.502	
2,854.3	2,809.6	2,739.2	2,738.5	9.6	1.2	-106.92	-3,618.9	-49.8	3,715.8	3,705.1	10.69	347.580	
2,900.0	2,853.8	2,774.3	2,773.6	9.9	1.2	-107.04	-3,619.4	-50.5	3,719.8	3,708.9	10.93	340.456	
2,952.7	2,904.8	2,823.7	2,823.0	10.2	1.3	-107.21	-3,620.2	-51.5	3,724.6	3,713.4	11.20	332.577	
3,000.0	2,950.5	2,882.0	2,881.3	10.4	1.3	-107.40	-3,620.9	-52.8	3,728.9	3,717.4	11.44	325.827	
3,051.2	3,000.0	2,932.0	2,931.3	10.7	1.3	-107.57	-3,621.5	-53.9	3,733.4	3,721.6	11.71	318.827	
3,100.0	3,047.2	2,974.7	2,973.9	10.9	1.3	-107.72	-3,622.0	-54.8	3,737.7	3,725.8	11.96	312.459	
3,149.6	3,095.2	3,016.6	3,015.9	11.2	1.3	-107.86	-3,622.6	-55.5	3,742.3	3,730.1	12.22	306.255	
3,200.0	3,143.9	3,057.4	3,056.7	11.5	1.3	-108.00	-3,623.2	-56.3	3,747.0	3,734.5	12.48	300.227	
3,248.0	3,190.4	3,100.0	3,099.2	11.7	1.3	-108.15	-3,624.0	-57.1	3,751.7	3,739.0	12.73	294.711	
3,300.0	3,240.6	3,153.7	3,152.9	12.0	1.3	-108.33	-3,624.9	-58.1	3,756.8	3,743.8	13.00	289.012	
3,346.4	3,285.6	3,205.6	3,204.8	12.3	1.3	-108.51	-3,625.7	-58.8	3,761.2	3,748.0	13.24	284.110	
3,400.0	3,337.4	3,260.7	3,259.8	12.5	1.3	-108.70	-3,626.4	-59.5	3,766.4	3,752.9	13.51	278.691	
3,444.9	3,380.8	3,305.8	3,305.0	12.8	1.3	-108.85	-3,627.0	-60.1	3,770.7	3,756.9	13.75	274.311	
3,500.0	3,434.1	3,354.2	3,353.4	13.1	1.3	-109.02	-3,627.7	-60.8	3,776.0	3,762.0	14.03	269.130	
3,543.3	3,476.0	3,392.2	3,391.4	13.3	1.3	-109.15	-3,628.2	-61.2	3,780.3	3,766.1	14.25	265.209	
3,600.0	3,530.8	3,459.0	3,458.1	13.6	1.4	-109.39	-3,629.1	-61.9	3,785.9	3,771.4	14.55	260.280	
3,641.7	3,571.2	3,507.3	3,506.4	13.8	1.4	-109.55	-3,629.6	-62.3	3,790.0	3,775.2	14.76	256.771	
3,700.0	3,627.5	3,557.8	3,557.0	14.2	1.4	-109.73	-3,630.2	-62.8	3,795.6	3,780.6	15.06	252.032	
3,740.1	3,666.4	3,592.6	3,591.8	14.4	1.4	-109.85	-3,630.6	-63.1	3,799.6	3,784.3	15.27	248.879	
3,800.0	3,724.2	3,645.3	3,644.4	14.7	1.4	-110.03	-3,631.2	-63.5	3,805.6	3,790.1	15.57	244.369	
3,838.6	3,761.6	3,679.2	3,678.4	14.9	1.4	-110.15	-3,631.7	-63.6	3,809.6	3,793.8	15.77	241.563	
3,900.0	3,821.0	3,743.8	3,743.0	15.2	1.4	-110.39	-3,632.5	-63.4	3,816.0	3,799.9	16.08	237.260	
3,937.0	3,856.8	3,786.8	3,786.0	15.4	1.4	-110.54	-3,632.9	-63.3	3,819.8	3,803.5	16.27	234.750	
4,000.0	3,917.7	3,841.7	3,840.8	15.8	1.4	-110.74	-3,633.5	-63.2	3,826.2	3,809.6	16.59	230.588	
4,035.4	3,951.9	3,870.3	3,869.4	16.0	1.4	-110.84	-3,633.8	-63.2	3,830.0	3,813.2	16.77	228.320	
4,100.0	4,014.4	3,931.2	3,930.3	16.3	1.4	-111.06	-3,634.7	-63.2	3,836.9	3,819.8	17.10	224.332	
4,133.8	4,047.1	3,969.1	3,968.2	16.5	1.4	-111.19	-3,635.1	-63.1	3,840.5	3,823.2	17.28	222.311	
4,200.0	4,111.1	4,041.1	4,040.2	16.9	1.4	-111.45	-3,635.9	-62.8	3,847.5	3,829.9	17.61	218.481	
4,232.3	4,142.3	4,075.5	4,074.6	17.0	1.4	-111.57	-3,636.2	-62.7	3,850.9	3,833.1	17.77	216.665	
4,300.0	4,207.8	4,148.9	4,148.0	17.4	1.4	-111.83	-3,636.8	-62.7	3,858.0	3,839.9	18.12	212.961	
4,330.7	4,237.5	4,182.4	4,181.5	17.6	1.4	-111.95	-3,637.0	-62.6	3,861.2	3,842.9	18.27	211.327	
4,400.0	4,304.6	4,258.7	4,257.8	17.9	1.4	-112.22	-3,637.3	-62.4	3,868.3	3,849.7	18.62	207.751	
4,429.1	4,332.7	4,290.9	4,290.0	18.1	1.4	-112.33	-3,637.4	-62.3	3,871.3	3,852.5	18.77	206.290	
4,500.0	4,401.3	4,372.1	4,371.2	18.5	1.4	-112.62	-3,637.4	-62.0	3,878.5	3,859.3	19.12	202.842	
4,527.5	4,427.9	4,400.0	4,399.1	18.6	1.4	-112.72	-3,637.3	-62.0	3,881.2	3,861.9	19.26	201.528	
4,600.0	4,498.0	4,462.1	4,461.2	19.0	1.4	-112.93	-3,637.3	-62.0	3,888.5	3,868.9	19.62	198.195	
4,626.0	4,523.1	4,483.4	4,482.5	19.2	1.4	-113.00	-3,637.3	-62.0	3,891.2	3,871.4	19.75	197.032	
4,700.0	4,594.7	4,554.3	4,553.4	19.6	1.4	-113.25	-3,637.5	-62.0	3,898.9	3,878.8	20.12	193.816	
4,724.4	4,618.3	4,578.9	4,578.0	19.7	1.4	-113.33	-3,637.5	-61.9	3,901.5	3,881.3	20.24	192.784	
4,800.0	4,691.5	4,706.1	4,705.2	20.1	1.4	-113.77	-3,637.1	-62.3	3,909.1	3,888.5	20.60	189.769	
4,822.8	4,713.5	4,742.5	4,741.6	20.2	1.4	-113.89	-3,636.7	-62.8	3,911.2	3,890.5	20.71	188.815	
4,900.0	4,788.2	4,866.1	4,865.1	20.7	1.5	-114.27	-3,634.5	-65.8	3,917.7	3,896.6	21.10	185.645	
4,921.2	4,808.7	4,900.1	4,899.1	20.8	1.5	-114.38	-3,633.6	-66.6	3,919.3	3,898.1	21.21	184.786	
5,000.0	4,884.9	4,977.3	4,976.3	21.2	1.5	-114.62	-3,631.5	-68.5	3,925.3	3,903.7	21.61	181.639	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 5 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,019.7	4,903.9	4,996.6	4,995.6	21.3	1.5	-114.68	-3,631.0	-69.0	3,926.8	3,905.1	21.71	180.873	
5,100.0	4,981.6	5,083.2	5,082.1	21.8	1.5	-114.96	-3,628.5	-70.7	3,932.9	3,910.8	22.12	177.817	
5,118.1	4,999.1	5,100.0	5,098.9	21.8	1.5	-115.01	-3,627.9	-71.0	3,934.2	3,912.0	22.21	177.144	
5,200.0	5,078.3	5,165.0	5,163.8	22.3	1.5	-115.22	-3,626.0	-71.9	3,940.6	3,918.0	22.63	174.168	
5,216.5	5,094.3	5,177.7	5,176.5	22.4	1.6	-115.26	-3,625.7	-72.1	3,942.0	3,919.2	22.71	173.584	
5,300.0	5,175.1	5,234.0	5,232.9	22.8	1.6	-115.45	-3,624.3	-72.8	3,949.0	3,925.9	23.13	170.706	
5,314.9	5,189.5	5,243.4	5,242.2	22.9	1.6	-115.48	-3,624.1	-73.0	3,950.3	3,927.1	23.21	170.204	
5,400.0	5,271.8	5,300.0	5,298.8	23.4	1.6	-115.66	-3,623.2	-73.7	3,958.3	3,934.7	23.64	167.433	
5,413.4	5,284.7	5,306.6	5,305.4	23.5	1.6	-115.68	-3,623.2	-73.8	3,959.7	3,936.0	23.71	167.009	
5,500.0	5,368.5	5,380.0	5,378.8	23.9	1.6	-115.92	-3,622.4	-74.4	3,968.4	3,944.3	24.15	164.342	
5,511.8	5,379.9	5,390.0	5,388.8	24.0	1.6	-115.95	-3,622.3	-74.4	3,969.6	3,945.4	24.21	163.989	
5,600.0	5,465.2	5,467.4	5,466.2	24.5	1.6	-116.21	-3,621.4	-74.2	3,978.9	3,954.2	24.65	161.441	
5,610.2	5,475.1	5,476.4	5,475.1	24.5	1.6	-116.24	-3,621.3	-74.1	3,980.0	3,955.3	24.70	161.154	
5,647.2	5,510.9	5,510.4	5,509.2	24.7	1.6	-116.36	-3,620.9	-73.6	3,983.9	3,959.1	24.88	160.130	
5,700.0	5,562.1	5,564.9	5,563.7	25.0	1.6	-116.65	-3,620.2	-72.5	3,989.4	3,964.3	25.08	159.090	
5,708.6	5,570.5	5,573.8	5,572.6	25.0	1.6	-116.70	-3,620.0	-72.3	3,990.3	3,965.2	25.10	158.971	
5,800.0	5,659.6	5,656.5	5,655.2	25.3	1.6	-117.12	-3,618.6	-69.8	3,998.6	3,973.3	25.36	157.692	
5,807.1	5,666.6	5,662.6	5,661.3	25.4	1.6	-117.15	-3,618.6	-69.6	3,999.2	3,973.9	25.37	157.609	
5,900.0	5,757.9	5,744.8	5,743.5	25.7	1.6	-117.52	-3,617.3	-66.7	4,006.6	3,981.0	25.60	156.498	
5,905.5	5,763.3	5,749.8	5,748.5	25.7	1.6	-117.54	-3,617.2	-66.5	4,007.0	3,981.4	25.61	156.444	
6,000.0	5,856.7	5,854.3	5,852.8	26.0	1.6	-117.91	-3,615.5	-62.2	4,013.2	3,987.4	25.81	155.501	
6,003.9	5,860.6	5,859.7	5,858.3	26.0	1.6	-117.92	-3,615.4	-62.0	4,013.4	3,987.6	25.82	155.470	
6,100.0	5,956.1	5,986.3	5,984.8	26.2	1.7	-118.25	-3,612.6	-57.4	4,017.5	3,991.6	25.98	154.615	
6,102.3	5,958.4	5,989.4	5,987.8	26.2	1.7	-118.26	-3,612.5	-57.3	4,017.6	3,991.6	25.99	154.597	
6,200.0	6,055.7	6,095.2	6,093.5	26.4	1.7	-118.46	-3,609.8	-54.2	4,019.7	3,993.6	26.14	153.784	
6,200.8	6,056.5	6,096.0	6,094.3	26.4	1.7	-118.46	-3,609.8	-54.2	4,019.7	3,993.6	26.14	153.778	
6,299.2	6,154.8	6,179.3	6,177.6	26.5	1.7	-118.56	-3,607.7	-51.9	4,020.3	3,994.1	26.27	153.059	
6,300.0	6,155.6	6,180.0	6,178.2	26.5	1.7	-118.56	-3,607.7	-51.9	4,020.3	3,994.1	26.27	153.053	
6,382.9	6,238.5	6,288.8	6,287.0	26.6	1.7	164.06	-3,605.0	-48.7	4,019.6	3,993.3	26.33	152.645	
6,397.6	6,253.2	6,309.4	6,307.5	26.6	1.7	164.05	-3,604.4	-48.1	4,019.3	3,992.9	26.35	152.524	
6,400.0	6,255.6	6,312.4	6,310.6	26.6	1.7	164.04	-3,604.3	-48.0	4,019.2	3,992.9	26.35	152.505	
6,412.9	6,268.5	6,329.0	6,327.1	26.6	1.7	164.04	-3,603.8	-47.6	4,019.0	3,992.6	26.37	152.392	
6,450.0	6,305.6	6,376.6	6,374.7	26.7	1.7	-16.24	-3,602.2	-46.4	4,017.1	3,990.7	26.41	152.122	
6,496.0	6,351.5	6,425.4	6,423.4	26.7	1.7	-16.39	-3,600.6	-45.3	4,012.2	3,985.8	26.40	151.973	
6,500.0	6,355.4	6,428.9	6,427.0	26.7	1.7	-16.41	-3,600.4	-45.2	4,011.7	3,985.3	26.40	151.963	
6,550.0	6,404.8	6,474.2	6,472.2	26.7	1.7	-16.66	-3,599.0	-44.3	4,002.9	3,976.6	26.36	151.864	
6,594.5	6,448.1	6,516.9	6,514.9	26.8	1.7	-16.96	-3,597.6	-43.4	3,992.4	3,966.1	26.28	151.921	
6,600.0	6,453.5	6,522.9	6,520.9	26.8	1.7	-17.01	-3,597.4	-43.3	3,990.9	3,964.7	26.27	151.944	
6,650.0	6,501.3	6,576.0	6,574.0	26.8	1.8	-17.48	-3,595.7	-42.3	3,975.7	3,949.6	26.10	152.304	
6,692.9	6,541.4	6,624.9	6,622.8	26.8	1.8	-17.99	-3,594.0	-41.3	3,960.1	3,934.2	25.90	152.884	
6,700.0	6,548.0	6,633.6	6,631.6	26.8	1.8	-18.09	-3,593.7	-41.2	3,957.3	3,931.4	25.86	153.010	
6,750.0	6,593.3	6,694.0	6,691.9	26.8	1.8	-18.86	-3,591.4	-40.0	3,935.6	3,910.1	25.54	154.124	
6,791.3	6,629.6	6,747.6	6,745.4	26.8	1.8	-19.64	-3,589.1	-39.0	3,915.4	3,890.2	25.20	155.368	
6,800.0	6,637.0	6,758.7	6,756.5	26.8	1.8	-19.82	-3,588.5	-38.8	3,910.9	3,885.7	25.12	155.680	
6,850.0	6,679.0	6,816.0	6,813.7	26.8	1.8	-20.97	-3,585.8	-37.8	3,883.1	3,858.5	24.61	157.760	
6,889.7	6,710.9	6,852.0	6,849.7	26.8	1.8	-22.02	-3,584.0	-37.4	3,859.1	3,834.9	24.15	159.814	
6,900.0	6,718.9	6,861.1	6,858.7	26.8	1.8	-22.32	-3,583.5	-37.3	3,852.6	3,828.6	24.02	160.418	
6,950.0	6,756.7	6,905.5	6,903.1	26.8	1.8	-23.95	-3,581.3	-36.9	3,819.6	3,796.2	23.34	163.644	
6,988.2	6,783.9	6,954.1	6,951.6	26.8	1.8	-25.54	-3,578.6	-36.6	3,792.7	3,769.9	22.79	166.390	
7,000.0	6,792.0	6,968.4	6,965.9	26.8	1.8	-26.08	-3,577.8	-36.5	3,784.1	3,761.5	22.61	167.341	
7,050.0	6,824.8	7,050.0	6,987.9	26.8	1.9	-28.37	-3,576.4	-36.4	3,746.3	3,724.4	21.91	171.023	
7,086.6	6,847.2	7,000.0	6,997.5	26.8	1.9	-30.28	-3,575.9	-36.3	3,717.6	3,696.3	21.26	174.847	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 5 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,100.0	6,854.9	7,000.0	6,997.5	26.8	1.9	-31.02	-3,575.9	-36.3	3,706.8	3,685.8	21.03	176.234		
7,150.0	6,882.2	7,000.0	6,997.5	26.8	1.9	-34.11	-3,575.9	-36.3	3,665.8	3,645.5	20.28	180.730		
7,185.0	6,899.5	7,000.0	6,997.5	26.8	1.9	-36.68	-3,575.9	-36.3	3,636.2	3,616.4	19.81	183.514		
7,200.0	6,906.5	7,000.0	6,997.5	26.9	1.9	-37.89	-3,575.9	-36.3	3,623.3	3,603.7	19.65	184.425		
7,250.0	6,927.6	7,000.0	6,997.5	26.9	1.9	-42.51	-3,575.9	-36.3	3,579.7	3,560.5	19.20	186.407		
7,283.4	6,940.0	7,000.0	6,997.5	27.0	1.9	-46.18	-3,575.9	-36.3	3,549.9	3,530.8	19.05	186.313		
7,300.0	6,945.5	7,000.0	6,997.5	27.0	1.9	-48.19	-3,575.9	-36.3	3,535.0	3,516.0	19.03	185.791		
7,350.0	6,960.2	7,000.0	6,997.5	27.1	1.9	-55.13	-3,575.9	-36.3	3,489.4	3,470.3	19.14	182.270		
7,381.9	6,967.8	7,000.0	6,997.5	27.2	1.9	-60.29	-3,575.9	-36.3	3,460.0	3,440.7	19.36	178.760		
7,400.0	6,971.5	7,000.0	6,997.5	27.2	1.9	-63.49	-3,575.9	-36.3	3,443.2	3,423.7	19.50	176.545		
7,450.0	6,979.3	7,000.0	6,997.5	27.4	1.9	-73.22	-3,575.9	-36.3	3,396.5	3,376.5	19.99	169.937		
7,480.3	6,982.4	7,000.0	6,997.5	27.5	1.9	-79.65	-3,575.9	-36.3	3,368.0	3,347.7	20.33	165.674		
7,500.0	6,983.7	7,000.0	6,997.5	27.5	1.9	-83.96	-3,575.9	-36.3	3,349.5	3,328.9	20.60	162.580		
7,541.4	6,984.7	7,000.0	6,997.5	27.7	1.9	-93.11	-3,575.9	-36.3	3,310.6	3,289.0	21.54	153.672		
7,578.7	6,984.5	7,000.0	6,997.5	27.9	1.9	-93.11	-3,575.9	-36.3	3,275.5	3,253.6	21.92	149.450		
7,600.0	6,984.4	7,000.0	6,997.5	28.0	1.9	-93.11	-3,575.9	-36.3	3,255.5	3,233.4	22.13	147.109		
7,677.1	6,984.0	7,000.0	6,997.5	28.5	1.9	-93.11	-3,575.9	-36.3	3,183.3	3,160.4	22.95	138.699		
7,700.0	6,983.9	7,000.0	6,997.5	28.6	1.9	-93.11	-3,575.9	-36.3	3,162.0	3,138.8	23.19	136.324		
7,775.6	6,983.5	7,000.0	6,997.5	29.2	1.9	-93.11	-3,575.9	-36.3	3,091.5	3,067.5	24.06	128.466		
7,800.0	6,983.4	7,000.0	6,997.5	29.4	1.9	-93.11	-3,575.9	-36.3	3,068.8	3,044.5	24.35	126.048		
7,874.0	6,983.1	7,000.0	6,997.5	30.0	1.9	-93.11	-3,575.9	-36.3	3,000.2	2,974.9	25.28	118.675		
7,900.0	6,982.9	7,000.0	6,997.5	30.3	1.9	-93.11	-3,575.9	-36.3	2,976.1	2,950.5	25.61	116.214		
7,972.4	6,982.6	7,000.0	6,997.5	31.0	1.9	-93.11	-3,575.9	-36.3	2,909.2	2,882.7	26.59	109.407		
8,000.0	6,982.4	7,000.0	6,997.5	31.3	1.9	-93.11	-3,575.9	-36.3	2,883.9	2,856.9	26.97	106.948		
8,070.8	6,982.1	7,000.0	6,997.5	32.1	1.9	-93.11	-3,575.9	-36.3	2,818.8	2,790.9	27.98	100.736		
8,100.0	6,982.0	7,000.0	6,997.5	32.4	1.9	-93.11	-3,575.9	-36.3	2,792.2	2,763.8	28.40	98.312		
8,169.3	6,981.6	7,000.0	6,997.5	33.2	1.9	-93.11	-3,575.9	-36.3	2,729.0	2,699.5	29.44	92.689		
8,200.0	6,981.5	7,000.0	6,997.5	33.6	1.9	-93.11	-3,575.9	-36.3	2,701.1	2,671.1	29.90	90.324		
8,267.7	6,981.1	7,000.0	6,997.5	34.5	1.9	-93.11	-3,575.9	-36.3	2,639.7	2,608.8	30.96	85.261		
8,300.0	6,981.0	7,000.0	6,997.5	34.9	1.9	-93.11	-3,575.9	-36.3	2,610.6	2,579.1	31.46	82.969		
8,366.1	6,980.7	7,000.0	6,997.5	35.8	1.9	-93.11	-3,575.9	-36.3	2,551.2	2,518.6	32.53	78.429		
8,400.0	6,980.5	7,000.0	6,997.5	36.3	1.9	-93.11	-3,575.9	-36.3	2,520.9	2,487.8	33.07	76.219		
8,464.5	6,980.2	7,000.0	6,997.5	37.2	1.9	-93.11	-3,575.9	-36.3	2,463.4	2,429.2	34.14	72.156		
8,500.0	6,980.0	7,000.0	6,997.5	37.7	1.9	-93.11	-3,575.9	-36.3	2,431.9	2,397.2	34.72	70.035		
8,563.0	6,979.7	7,000.0	6,997.5	38.6	1.9	-93.11	-3,575.9	-36.3	2,376.4	2,340.6	35.79	66.405		
8,600.0	6,979.5	7,000.0	6,997.5	39.1	1.9	-93.11	-3,575.9	-36.3	2,343.9	2,307.5	36.41	64.374		
8,661.4	6,979.2	7,000.0	6,997.5	40.1	1.9	-93.11	-3,575.9	-36.3	2,290.3	2,252.8	37.46	61.133		
8,700.0	6,979.0	7,000.0	6,997.5	40.7	1.9	-93.11	-3,575.9	-36.3	2,256.8	2,218.7	38.13	59.192		
8,759.8	6,978.7	7,000.0	6,997.5	41.6	1.9	-93.11	-3,575.9	-36.3	2,205.3	2,166.1	39.17	56.300		
8,800.0	6,978.5	7,000.0	6,997.5	42.2	1.9	-93.11	-3,575.9	-36.3	2,170.9	2,131.0	39.87	54.449		
8,858.2	6,978.2	7,000.0	6,997.5	43.1	1.9	-93.11	-3,575.9	-36.3	2,121.4	2,080.5	40.90	51.869		
8,900.0	6,978.0	7,000.0	6,997.5	43.8	1.9	-93.11	-3,575.9	-36.3	2,086.2	2,044.6	41.64	50.105		
8,956.7	6,977.8	7,000.0	6,997.5	44.7	1.9	-93.11	-3,575.9	-36.3	2,038.9	1,996.2	42.65	47.805		
9,000.0	6,977.5	7,000.0	6,997.5	45.4	1.9	-93.12	-3,575.9	-36.3	2,003.0	1,959.5	43.42	46.127		
9,055.1	6,977.3	7,000.0	6,997.5	46.3	1.9	-93.12	-3,575.9	-36.3	1,957.8	1,913.3	44.42	44.077		
9,100.0	6,977.1	7,000.0	6,997.5	47.1	1.9	-93.12	-3,575.9	-36.3	1,921.3	1,876.1	45.23	42.481		
9,153.5	6,976.8	7,000.0	6,997.5	48.0	1.9	-93.12	-3,575.9	-36.3	1,878.3	1,832.1	46.20	40.655		
9,200.0	6,976.6	7,000.0	6,997.5	48.8	1.9	-93.12	-3,575.9	-36.3	1,841.4	1,794.4	47.05	39.141		
9,251.9	6,976.3	7,000.0	6,997.5	49.7	1.9	-93.12	-3,575.9	-36.3	1,800.8	1,752.8	48.00	37.517		
9,300.0	6,976.1	7,000.0	6,997.5	50.5	1.9	-93.12	-3,575.9	-36.3	1,763.6	1,714.8	48.88	36.081		
9,350.4	6,975.8	7,000.0	6,997.5	51.3	1.9	-93.12	-3,575.9	-36.3	1,725.3	1,675.5	49.81	34.639		
9,400.0	6,975.6	7,000.0	6,997.5	52.2	1.9	-93.12	-3,575.9	-36.3	1,688.2	1,637.5	50.73	33.281		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 5 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,448.8	6,975.3	7,000.0	6,997.5	53.1	1.9	-93.12	-3,575.9	-36.3	1,652.3	1,600.7	51.63	32.002	
9,500.0	6,975.1	7,000.0	6,997.5	54.0	1.9	-93.12	-3,575.9	-36.3	1,615.4	1,562.8	52.58	30.722	
9,547.2	6,974.9	7,000.0	6,997.5	54.8	1.9	-93.12	-3,575.9	-36.3	1,582.0	1,528.6	53.46	29.592	
9,600.0	6,974.6	7,006.1	7,003.6	55.7	1.9	-93.42	-3,575.5	-36.3	1,545.6	1,491.2	54.47	28.378	
9,645.6	6,974.4	7,002.4	6,999.9	56.5	1.9	-93.24	-3,575.7	-36.3	1,514.9	1,459.6	55.31	27.390	
9,700.0	6,974.1	6,998.1	6,995.5	57.5	1.9	-93.02	-3,576.0	-36.3	1,479.4	1,423.1	56.32	26.269	
9,744.1	6,973.9	6,994.6	6,992.1	58.3	1.9	-92.84	-3,576.2	-36.4	1,451.4	1,394.2	57.13	25.403	
9,800.0	6,973.6	6,990.3	6,987.7	59.3	1.9	-92.63	-3,576.5	-36.4	1,417.0	1,358.9	58.17	24.359	
9,842.5	6,973.4	6,987.0	6,984.5	60.0	1.9	-92.46	-3,576.7	-36.4	1,391.9	1,332.9	58.97	23.604	
9,900.0	6,973.1	6,982.7	6,980.2	61.1	1.9	-92.24	-3,577.0	-36.4	1,359.2	1,299.1	60.04	22.637	
9,940.9	6,972.9	6,979.6	6,977.1	61.8	1.8	-92.09	-3,577.1	-36.4	1,336.9	1,276.1	60.81	21.986	
10,000.0	6,972.6	6,975.3	6,972.8	62.9	1.8	-91.87	-3,577.4	-36.4	1,306.4	1,244.4	61.91	21.099	
10,039.3	6,972.4	6,972.4	6,969.9	63.6	1.8	-91.72	-3,577.6	-36.5	1,287.1	1,224.5	62.65	20.543	
10,100.0	6,972.1	6,968.1	6,965.6	64.7	1.8	-91.51	-3,577.8	-36.5	1,259.3	1,195.5	63.80	19.739	
10,137.8	6,972.0	6,965.4	6,962.9	65.4	1.8	-91.37	-3,578.0	-36.5	1,243.1	1,178.6	64.51	19.270	
10,200.0	6,971.6	6,961.1	6,958.6	66.6	1.8	-91.15	-3,578.2	-36.5	1,218.5	1,152.8	65.68	18.552	
10,236.2	6,971.5	6,958.6	6,956.1	67.2	1.8	-91.03	-3,578.4	-36.5	1,205.5	1,139.1	66.37	18.164	
10,300.0	6,971.2	6,954.3	6,951.8	68.4	1.8	-90.81	-3,578.6	-36.6	1,184.8	1,117.2	67.57	17.533	
10,334.6	6,971.0	6,952.0	6,949.5	69.0	1.8	-90.69	-3,578.8	-36.6	1,174.9	1,106.6	68.23	17.219	
10,400.0	6,970.7	6,947.6	6,945.2	70.2	1.8	-90.47	-3,579.0	-36.6	1,158.7	1,089.3	69.47	16.679	
10,433.0	6,970.5	6,945.5	6,943.0	70.9	1.8	-90.36	-3,579.1	-36.6	1,151.9	1,081.8	70.10	16.432	
10,500.0	6,970.2	6,941.1	6,938.7	72.1	1.8	-90.14	-3,579.4	-36.6	1,140.8	1,069.4	71.37	15.984	
10,531.5	6,970.0	6,939.1	6,936.7	72.7	1.8	-90.04	-3,579.5	-36.7	1,136.9	1,065.0	71.97	15.797	
10,600.0	6,969.7	6,934.8	6,932.4	74.0	1.8	-89.82	-3,579.7	-36.7	1,131.5	1,058.2	73.28	15.441	
10,629.9	6,969.5	6,933.0	6,930.5	74.5	1.8	-89.73	-3,579.8	-36.7	1,130.4	1,056.5	73.85	15.307	
10,656.7	6,969.4	6,931.3	6,928.9	75.0	1.8	-89.64	-3,579.9	-36.7	1,130.0	1,055.7	74.36	15.197 CC	
10,700.0	6,969.2	6,928.7	6,926.3	75.8	1.8	-89.51	-3,580.1	-36.7	1,130.9	1,055.7	75.18	15.041 ES	
10,728.3	6,969.0	6,927.0	6,924.5	76.4	1.8	-89.42	-3,580.2	-36.7	1,132.3	1,056.6	75.73	14.953	
10,800.0	6,968.7	6,922.7	6,920.3	77.7	1.8	-89.21	-3,580.4	-36.8	1,139.1	1,062.0	77.10	14.775	
10,826.7	6,968.6	6,921.1	6,918.7	78.2	1.8	-89.13	-3,580.5	-36.8	1,142.7	1,065.1	77.61	14.724	
10,900.0	6,968.2	6,916.8	6,914.4	79.6	1.8	-88.91	-3,580.7	-36.8	1,155.8	1,076.8	79.01	14.629	
10,925.2	6,968.1	6,915.3	6,912.9	80.1	1.8	-88.84	-3,580.8	-36.8	1,161.4	1,081.9	79.49	14.610	
11,000.0	6,967.7	6,911.1	6,908.7	81.5	1.8	-88.62	-3,581.0	-36.8	1,180.8	1,099.9	80.92	14.592 SF	
11,023.6	6,967.6	6,909.7	6,907.4	81.9	1.8	-88.55	-3,581.1	-36.8	1,187.9	1,106.5	81.38	14.598	
11,100.0	6,967.2	6,905.5	6,903.1	83.4	1.8	-88.34	-3,581.3	-36.9	1,213.6	1,130.7	82.84	14.649	
11,122.0	6,967.1	6,904.3	6,901.9	83.8	1.8	-88.28	-3,581.4	-36.9	1,221.8	1,138.5	83.26	14.673	
11,200.0	6,966.7	6,900.0	6,897.6	85.3	1.8	-88.06	-3,581.6	-36.9	1,253.4	1,168.7	84.76	14.788	
11,220.4	6,966.6	6,898.8	6,896.4	85.7	1.8	-88.00	-3,581.6	-36.9	1,262.4	1,177.3	85.15	14.825	
11,300.0	6,966.2	6,893.9	6,891.5	87.2	1.8	-87.75	-3,581.9	-37.0	1,299.8	1,213.1	86.68	14.995	
11,318.9	6,966.1	6,892.7	6,890.4	87.5	1.8	-87.69	-3,581.9	-37.0	1,309.2	1,222.1	87.04	15.041	
11,400.0	6,965.7	6,887.8	6,885.4	89.1	1.8	-87.44	-3,582.2	-37.0	1,351.9	1,263.3	88.59	15.259	
11,417.3	6,965.6	6,886.7	6,884.4	89.4	1.8	-87.39	-3,582.2	-37.0	1,361.4	1,272.5	88.93	15.310	
11,500.0	6,965.2	6,881.7	6,879.3	91.0	1.8	-87.13	-3,582.5	-37.1	1,409.1	1,318.6	90.51	15.569	
11,515.7	6,965.2	6,880.7	6,878.4	91.3	1.8	-87.08	-3,582.5	-37.1	1,418.6	1,327.8	90.81	15.621	
11,600.0	6,964.7	6,875.6	6,873.2	92.9	1.8	-86.83	-3,582.8	-37.1	1,471.0	1,378.5	92.43	15.915	
11,614.1	6,964.7	6,874.7	6,872.4	93.2	1.8	-86.78	-3,582.8	-37.1	1,480.1	1,387.4	92.70	15.966	
11,700.0	6,964.3	6,869.5	6,867.2	94.8	1.8	-86.52	-3,583.1	-37.2	1,536.8	1,442.5	94.34	16.289	
11,712.6	6,964.2	6,868.8	6,866.4	95.1	1.8	-86.48	-3,583.1	-37.2	1,545.3	1,450.7	94.59	16.338	
11,800.0	6,963.8	6,863.5	6,861.1	96.7	1.8	-86.21	-3,583.4	-37.2	1,606.1	1,509.9	96.26	16.685	
11,811.0	6,963.7	6,862.8	6,860.5	97.0	1.8	-86.18	-3,583.4	-37.2	1,614.0	1,517.5	96.47	16.730	
11,900.0	6,963.3	6,857.4	6,855.1	98.7	1.8	-85.91	-3,583.7	-37.3	1,678.5	1,580.4	98.17	17.098	
11,909.4	6,963.2	6,856.9	6,854.6	98.9	1.8	-85.88	-3,583.7	-37.3	1,685.5	1,587.2	98.36	17.137	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY 5 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,000.0	6,962.8	6,851.4	6,849.1	100.6	1.8	-85.61	-3,584.0	-37.4	1,753.7	1,653.6	100.09	17.521	
12,007.8	6,962.7	6,851.0	6,848.6	100.7	1.8	-85.58	-3,584.0	-37.4	1,759.7	1,659.4	100.24	17.555	
12,100.0	6,962.3	6,845.4	6,843.1	102.5	1.8	-85.30	-3,584.3	-37.4	1,831.1	1,729.1	102.00	17.952	
12,106.3	6,962.2	6,845.1	6,842.8	102.6	1.8	-85.29	-3,584.3	-37.4	1,836.1	1,733.9	102.12	17.980	
12,200.0	6,961.8	6,839.5	6,837.2	104.5	1.8	-85.00	-3,584.6	-37.5	1,910.7	1,806.8	103.91	18.388	
12,204.7	6,961.8	6,839.2	6,836.9	104.5	1.8	-84.99	-3,584.6	-37.5	1,914.5	1,810.5	104.00	18.408	
12,300.0	6,961.3	6,833.5	6,831.2	106.4	1.8	-84.70	-3,584.9	-37.6	1,992.1	1,886.2	105.82	18.825	
12,303.1	6,961.3	6,833.3	6,831.0	106.4	1.8	-84.69	-3,584.9	-37.6	1,994.6	1,888.7	105.88	18.839	
12,400.0	6,960.8	6,827.6	6,825.3	108.3	1.8	-84.40	-3,585.2	-37.7	2,075.0	1,967.3	107.72	19.263	
12,401.5	6,960.8	6,827.5	6,825.2	108.3	1.8	-84.40	-3,585.2	-37.7	2,076.3	1,968.6	107.75	19.269	
12,500.0	6,960.3	6,821.6	6,819.3	110.3	1.8	-84.11	-3,585.5	-37.8	2,159.5	2,049.8	109.63	19.698	
12,598.4	6,959.8	6,815.8	6,813.5	112.2	1.8	-83.81	-3,585.8	-37.8	2,243.8	2,132.3	111.50	20.124	
12,600.0	6,959.8	6,815.7	6,813.4	112.2	1.8	-83.81	-3,585.8	-37.8	2,245.1	2,133.6	111.53	20.130	
12,696.8	6,959.3	6,810.0	6,807.7	114.1	1.8	-83.52	-3,586.1	-37.9	2,329.2	2,215.8	113.37	20.545	
12,700.0	6,959.3	6,809.8	6,807.6	114.1	1.8	-83.51	-3,586.1	-37.9	2,332.0	2,218.5	113.43	20.559	
12,795.2	6,958.8	6,804.2	6,802.0	116.0	1.8	-83.23	-3,586.4	-38.0	2,415.6	2,300.3	115.23	20.962	
12,800.0	6,958.8	6,803.9	6,801.7	116.1	1.8	-83.22	-3,586.4	-38.0	2,419.8	2,304.4	115.32	20.982	
12,893.7	6,958.3	6,800.0	6,797.8	117.9	1.8	-83.02	-3,586.6	-38.1	2,502.8	2,385.7	117.12	21.371	
12,900.0	6,958.3	6,800.0	6,797.8	118.0	1.8	-83.02	-3,586.6	-38.1	2,508.5	2,391.2	117.24	21.396	
12,992.1	6,957.9	6,800.0	6,797.8	119.8	1.8	-83.02	-3,586.6	-38.1	2,590.9	2,471.9	119.04	21.765	
13,000.0	6,957.8	6,800.0	6,797.8	120.0	1.8	-83.02	-3,586.6	-38.1	2,598.0	2,478.8	119.20	21.796	
13,090.5	6,957.4	6,789.5	6,787.3	121.7	1.8	-82.50	-3,587.1	-38.3	2,679.7	2,558.8	120.85	22.174	
13,100.0	6,957.3	6,789.1	6,786.9	121.9	1.8	-82.48	-3,587.1	-38.3	2,688.3	2,567.2	121.03	22.212	
13,188.9	6,956.9	6,785.0	6,782.8	123.6	1.8	-82.27	-3,587.3	-38.3	2,769.1	2,646.4	122.72	22.565	
13,200.0	6,956.8	6,784.5	6,782.3	123.9	1.8	-82.25	-3,587.3	-38.3	2,779.2	2,656.2	122.93	22.608	
13,287.4	6,956.4	6,780.6	6,778.4	125.6	1.8	-82.05	-3,587.5	-38.4	2,859.1	2,734.5	124.59	22.949	
13,300.0	6,956.3	6,780.0	6,777.8	125.8	1.8	-82.02	-3,587.5	-38.4	2,870.7	2,745.9	124.83	22.997	
13,385.8	6,955.9	6,776.2	6,774.0	127.5	1.8	-81.83	-3,587.7	-38.5	2,949.6	2,823.2	126.46	23.326	
13,400.0	6,955.8	6,775.6	6,773.4	127.8	1.8	-81.80	-3,587.8	-38.5	2,962.7	2,836.0	126.72	23.379	
13,484.2	6,955.4	6,771.9	6,769.7	129.4	1.8	-81.62	-3,587.9	-38.6	3,040.6	2,912.3	128.32	23.696	
13,500.0	6,955.3	6,771.2	6,769.0	129.7	1.8	-81.58	-3,588.0	-38.6	3,055.3	2,926.7	128.62	23.754	
13,582.6	6,954.9	6,767.6	6,765.4	131.3	1.8	-81.41	-3,588.1	-38.6	3,132.1	3,001.9	130.19	24.059	
13,600.0	6,954.8	6,766.9	6,764.7	131.7	1.8	-81.37	-3,588.2	-38.6	3,148.3	3,017.7	130.51	24.122	
13,681.1	6,954.4	6,763.4	6,761.2	133.2	1.8	-81.20	-3,588.3	-38.7	3,224.0	3,091.9	132.05	24.415	
13,700.0	6,954.3	6,762.6	6,760.4	133.6	1.8	-81.16	-3,588.4	-38.7	3,241.7	3,109.3	132.41	24.483	
13,779.5	6,953.9	6,759.3	6,757.1	135.2	1.8	-80.99	-3,588.5	-38.8	3,316.2	3,182.3	133.91	24.764	
13,800.0	6,953.8	6,758.4	6,756.2	135.6	1.8	-80.95	-3,588.6	-38.8	3,335.4	3,201.1	134.30	24.836	
13,877.9	6,953.5	6,755.2	6,753.0	137.1	1.8	-80.79	-3,588.7	-38.8	3,408.8	3,273.0	135.77	25.107	
13,900.0	6,953.3	6,754.3	6,752.1	137.5	1.8	-80.74	-3,588.8	-38.9	3,429.6	3,293.4	136.19	25.183	
13,976.3	6,953.0	6,751.1	6,748.9	139.0	1.8	-80.59	-3,588.9	-38.9	3,501.6	3,364.0	137.63	25.443	
14,000.0	6,952.8	6,750.2	6,748.0	139.5	1.8	-80.54	-3,588.9	-38.9	3,524.0	3,385.9	138.07	25.523	
14,074.8	6,952.5	6,747.1	6,745.0	140.9	1.8	-80.39	-3,589.1	-39.0	3,594.8	3,455.3	139.48	25.773	
14,100.0	6,952.4	6,746.1	6,743.9	141.4	1.8	-80.34	-3,589.1	-39.0	3,618.7	3,478.8	139.96	25.856	
14,170.4	6,952.0	6,743.3	6,741.1	142.8	1.8	-80.20	-3,589.2	-39.1	3,685.6	3,544.4	141.22	26.098	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY PM C 18-4 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-168.86	-2,859.8	-563.3	2,915.0				
98.4	98.4	56.6	56.6	0.1	0.0	-168.86	-2,859.8	-563.4	2,914.8	2,914.6	0.14	N/A	
100.0	100.0	58.2	58.2	0.1	0.0	-168.86	-2,859.8	-563.4	2,914.8	2,914.6	0.15	N/A	
196.8	196.8	159.7	159.7	0.3	0.2	-168.85	-2,859.7	-563.9	2,914.8	2,914.3	0.48	6,013.487	
200.0	200.0	163.1	163.1	0.3	0.2	-168.85	-2,859.7	-563.9	2,914.8	2,914.3	0.50	5,869.028	
295.3	295.3	263.9	263.9	0.5	0.3	-168.83	-2,859.3	-564.7	2,914.5	2,913.7	0.82	3,560.965	
300.0	300.0	268.8	268.8	0.5	0.3	-168.83	-2,859.3	-564.7	2,914.5	2,913.7	0.83	3,497.215	
393.7	393.7	361.5	361.5	0.8	0.4	-168.81	-2,858.8	-565.7	2,914.2	2,913.1	1.11	2,614.490	
400.0	400.0	367.6	367.6	0.8	0.4	-168.81	-2,858.8	-565.7	2,914.2	2,913.1	1.13	2,571.910	
492.1	492.1	458.6	458.6	1.0	0.4	-168.79	-2,858.3	-566.6	2,914.0	2,912.6	1.40	2,083.125	
500.0	500.0	466.5	466.5	1.0	0.4	-168.79	-2,858.3	-566.7	2,914.0	2,912.5	1.42	2,050.102	
590.5	590.5	562.2	562.2	1.2	0.5	-168.77	-2,857.8	-567.6	2,913.7	2,912.0	1.68	1,735.722	
600.0	600.0	572.5	572.5	1.2	0.5	-168.76	-2,857.8	-567.7	2,913.6	2,911.9	1.71	1,708.476	
689.0	689.0	661.0	661.0	1.4	0.5	-168.75	-2,857.2	-568.3	2,913.2	2,911.3	1.95	1,493.577	
700.0	700.0	671.6	671.6	1.4	0.5	-168.75	-2,857.2	-568.4	2,913.2	2,911.2	1.98	1,470.900	
787.4	787.4	761.7	761.6	1.6	0.6	-168.74	-2,856.7	-569.0	2,912.8	2,910.6	2.22	1,313.553	
800.0	800.0	775.1	775.1	1.7	0.6	-168.73	-2,856.6	-569.0	2,912.7	2,910.5	2.25	1,293.645	
885.8	885.8	861.9	861.9	1.9	0.6	-168.73	-2,856.0	-569.3	2,912.2	2,909.8	2.48	1,174.264	
900.0	900.0	876.0	876.0	1.9	0.6	-168.73	-2,855.9	-569.3	2,912.2	2,909.6	2.52	1,156.735	
984.2	984.2	956.5	956.5	2.1	0.7	-168.72	-2,855.4	-569.6	2,911.7	2,909.0	2.74	1,063.373	
1,000.0	1,000.0	971.4	971.3	2.1	0.7	-168.72	-2,855.4	-569.7	2,911.7	2,908.9	2.78	1,047.636	
1,082.7	1,082.7	1,054.3	1,054.3	2.3	0.7	-91.41	-2,854.9	-570.2	2,911.4	2,908.4	2.96	984.945	
1,100.0	1,100.0	1,072.3	1,072.3	2.3	0.7	-91.42	-2,854.8	-570.3	2,911.3	2,908.3	3.00	970.576	
1,181.1	1,181.0	1,153.5	1,153.5	2.5	0.8	-91.50	-2,854.4	-570.6	2,911.0	2,907.8	3.20	909.522	
1,200.0	1,199.8	1,172.1	1,172.0	2.5	0.8	-91.52	-2,854.3	-570.7	2,911.0	2,907.8	3.25	896.401	
1,279.5	1,279.1	1,253.3	1,253.2	2.7	0.8	-91.65	-2,853.9	-571.0	2,910.8	2,907.4	3.46	842.397	
1,300.0	1,299.5	1,274.6	1,274.6	2.8	0.8	-91.69	-2,853.7	-571.1	2,910.8	2,907.3	3.51	829.489	
1,377.9	1,376.9	1,349.3	1,349.3	3.0	0.8	-91.86	-2,853.3	-571.4	2,910.7	2,906.9	3.73	780.945	
1,382.2	1,381.0	1,353.2	1,353.1	3.0	0.8	-91.87	-2,853.3	-571.4	2,910.7	2,906.9	3.74	778.492	
1,400.0	1,398.7	1,369.6	1,369.5	3.0	0.9	-91.91	-2,853.2	-571.5	2,910.7	2,906.9	3.79	768.283	
1,476.4	1,474.2	1,441.6	1,441.6	3.2	0.9	-92.12	-2,852.9	-571.6	2,910.8	2,906.8	4.02	723.285	
1,500.0	1,497.5	1,464.4	1,464.3	3.3	0.9	-92.19	-2,852.9	-571.6	2,910.9	2,906.8	4.10	710.384	
1,574.8	1,571.0	1,536.8	1,536.7	3.5	0.9	-92.45	-2,852.7	-571.6	2,911.3	2,907.0	4.36	667.974	
1,600.0	1,595.6	1,561.3	1,561.3	3.6	0.9	-92.54	-2,852.6	-571.6	2,911.5	2,907.0	4.45	654.821	
1,673.2	1,667.0	1,631.9	1,631.8	3.9	0.9	-92.84	-2,852.5	-571.4	2,912.1	2,907.4	4.74	614.852	
1,700.0	1,693.1	1,657.4	1,657.3	4.0	0.9	-92.95	-2,852.5	-571.4	2,912.4	2,907.6	4.84	601.476	
1,735.7	1,727.6	1,691.2	1,691.2	4.1	0.9	-93.11	-2,852.4	-571.4	2,912.8	2,907.8	5.00	582.949	
1,771.6	1,762.4	1,728.2	1,728.2	4.3	1.0	-93.29	-2,852.4	-571.4	2,913.3	2,908.1	5.16	564.428	
1,800.0	1,789.8	1,758.2	1,758.1	4.4	1.0	-93.44	-2,852.3	-571.4	2,913.7	2,908.4	5.29	550.577	
1,870.1	1,857.6	1,828.2	1,828.2	4.7	1.0	-93.80	-2,852.1	-571.2	2,914.5	2,908.9	5.63	517.944	
1,900.0	1,886.6	1,855.9	1,855.9	4.8	1.0	-93.93	-2,852.0	-571.1	2,915.0	2,909.2	5.77	505.221	
1,968.5	1,952.8	1,921.4	1,921.4	5.2	1.0	-94.27	-2,851.8	-570.9	2,916.0	2,909.9	6.11	477.313	
2,000.0	1,983.3	1,953.8	1,953.8	5.3	1.0	-94.43	-2,851.7	-570.7	2,916.6	2,910.3	6.27	465.447	
2,066.9	2,048.0	2,018.6	2,018.5	5.6	1.0	-94.76	-2,851.5	-570.5	2,917.7	2,911.1	6.61	441.682	
2,100.0	2,080.0	2,046.4	2,046.3	5.8	1.0	-94.90	-2,851.4	-570.3	2,918.3	2,911.5	6.77	431.020	
2,165.3	2,143.2	2,101.5	2,101.4	6.1	1.0	-95.18	-2,851.4	-570.0	2,919.7	2,912.6	7.10	411.034	
2,200.0	2,176.7	2,134.5	2,134.5	6.3	1.0	-95.34	-2,851.4	-569.8	2,920.6	2,913.3	7.28	401.165	
2,263.8	2,238.4	2,195.4	2,195.3	6.6	1.0	-95.65	-2,851.5	-569.4	2,922.2	2,914.6	7.61	383.955	
2,300.0	2,273.4	2,228.8	2,228.7	6.8	1.1	-95.82	-2,851.6	-569.1	2,923.2	2,915.4	7.80	374.878	
2,362.2	2,333.6	2,285.8	2,285.8	7.1	1.1	-96.12	-2,851.8	-568.6	2,925.1	2,916.9	8.12	360.117	
2,400.0	2,370.2	2,317.9	2,317.8	7.3	1.1	-96.28	-2,851.9	-568.3	2,926.3	2,917.9	8.32	351.765	
2,460.6	2,428.8	2,366.4	2,366.3	7.6	1.1	-96.53	-2,852.3	-567.8	2,928.4	2,919.8	8.64	339.104	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY PM C 18-4 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,500.0	2,466.9	2,400.0	2,399.9	7.8	1.1	-96.71	-2,852.6	-567.3	2,929.9	2,921.1	8.84	331.377	
2,559.0	2,524.0	2,438.9	2,438.8	8.1	1.1	-96.91	-2,853.1	-566.8	2,932.5	2,923.4	9.15	320.474	
2,600.0	2,563.6	2,467.2	2,467.1	8.3	1.1	-97.06	-2,853.7	-566.4	2,934.6	2,925.2	9.36	313.356	
2,657.5	2,619.2	2,509.2	2,509.1	8.6	1.1	-97.28	-2,854.6	-565.9	2,937.7	2,928.1	9.67	303.861	
2,700.0	2,660.3	2,548.9	2,548.8	8.8	1.1	-97.48	-2,855.6	-565.4	2,940.2	2,930.3	9.89	297.211	
2,755.9	2,714.4	2,601.1	2,600.9	9.1	1.1	-97.75	-2,856.9	-564.8	2,943.6	2,933.4	10.19	288.882	
2,800.0	2,757.0	2,642.8	2,642.6	9.4	1.1	-97.97	-2,858.0	-564.3	2,946.3	2,935.9	10.42	282.672	
2,854.3	2,809.6	2,694.1	2,694.0	9.6	1.1	-98.23	-2,859.4	-563.7	2,949.7	2,939.0	10.71	275.374	
2,900.0	2,853.8	2,746.8	2,746.7	9.9	1.1	-98.50	-2,860.7	-563.1	2,952.6	2,941.6	10.95	269.529	
2,952.7	2,904.8	2,807.6	2,807.4	10.2	1.1	-98.81	-2,862.0	-562.3	2,955.8	2,944.6	11.24	263.064	
3,000.0	2,950.5	2,852.8	2,852.6	10.4	1.1	-99.05	-2,862.9	-561.8	2,958.7	2,947.2	11.49	257.555	
3,051.2	3,000.0	2,901.9	2,901.7	10.7	1.1	-99.30	-2,863.9	-561.2	2,961.8	2,950.1	11.76	251.846	
3,100.0	3,047.2	2,953.5	2,953.3	10.9	1.1	-99.56	-2,864.9	-560.7	2,964.9	2,952.9	12.02	246.635	
3,149.6	3,095.2	3,005.9	3,005.6	11.2	1.1	-99.82	-2,865.8	-560.3	2,968.0	2,955.7	12.29	241.558	
3,200.0	3,143.9	3,058.0	3,057.8	11.5	1.1	-100.08	-2,866.6	-559.9	2,971.1	2,958.5	12.56	236.624	
3,248.0	3,190.4	3,107.0	3,106.7	11.7	1.1	-100.32	-2,867.4	-559.5	2,974.0	2,961.2	12.81	232.110	
3,300.0	3,240.6	3,155.7	3,155.5	12.0	1.2	-100.56	-2,868.1	-559.2	2,977.3	2,964.2	13.09	227.434	
3,346.4	3,285.6	3,200.0	3,199.7	12.3	1.2	-100.78	-2,868.8	-559.0	2,980.3	2,966.9	13.34	223.419	
3,400.0	3,337.4	3,250.7	3,250.4	12.5	1.2	-101.03	-2,869.6	-558.9	2,983.8	2,970.2	13.63	218.978	
3,444.9	3,380.8	3,293.7	3,293.4	12.8	1.2	-101.24	-2,870.3	-558.8	2,986.8	2,972.9	13.87	215.397	
3,500.0	3,434.1	3,348.4	3,348.1	13.1	1.2	-101.50	-2,871.1	-558.8	2,990.5	2,976.4	14.16	211.169	
3,543.3	3,476.0	3,391.5	3,391.2	13.3	1.2	-101.70	-2,871.7	-558.9	2,993.5	2,979.1	14.39	207.969	
3,600.0	3,530.8	3,443.0	3,442.7	13.6	1.2	-101.94	-2,872.5	-559.0	2,997.4	2,982.7	14.70	203.941	
3,641.7	3,571.2	3,480.2	3,479.9	13.8	1.2	-102.12	-2,873.1	-559.3	3,000.4	2,985.5	14.92	201.085	
3,700.0	3,627.5	3,538.3	3,538.0	14.2	1.2	-102.38	-2,874.1	-559.9	3,004.7	2,989.4	15.23	197.239	
3,740.1	3,666.4	3,580.9	3,580.6	14.4	1.2	-102.57	-2,874.8	-560.5	3,007.6	2,992.1	15.45	194.675	
3,800.0	3,724.2	3,636.6	3,636.2	14.7	1.2	-102.82	-2,875.6	-561.3	3,012.0	2,996.2	15.77	190.990	
3,838.6	3,761.6	3,670.2	3,669.9	14.9	1.2	-102.97	-2,876.2	-561.9	3,014.9	2,998.9	15.98	188.699	
3,900.0	3,821.0	3,729.8	3,729.4	15.2	1.2	-103.23	-2,877.3	-562.9	3,019.6	3,003.3	16.31	185.180	
3,937.0	3,856.8	3,770.1	3,769.7	15.4	1.3	-103.41	-2,877.9	-563.6	3,022.5	3,006.0	16.50	183.125	
4,000.0	3,917.7	3,830.5	3,830.1	15.8	1.3	-103.67	-2,878.9	-564.8	3,027.3	3,010.5	16.84	179.744	
4,035.4	3,951.9	3,860.9	3,860.5	16.0	1.3	-103.80	-2,879.4	-565.4	3,030.1	3,013.1	17.03	177.908	
4,100.0	4,014.4	3,922.1	3,921.7	16.3	1.3	-104.06	-2,880.5	-566.6	3,035.3	3,018.0	17.38	174.676	
4,133.8	4,047.1	3,961.5	3,961.1	16.5	1.3	-104.24	-2,881.2	-567.1	3,038.1	3,020.5	17.56	173.033	
4,200.0	4,111.1	4,036.8	4,036.4	16.9	1.3	-104.58	-2,882.2	-567.6	3,043.3	3,025.4	17.91	169.945	
4,232.3	4,142.3	4,072.7	4,072.3	17.0	1.3	-104.74	-2,882.5	-567.6	3,045.8	3,027.7	18.08	168.494	
4,300.0	4,207.8	4,148.4	4,147.9	17.4	1.3	-105.10	-2,883.1	-566.9	3,050.9	3,032.5	18.43	165.522	
4,330.7	4,237.5	4,182.8	4,182.4	17.6	1.3	-105.27	-2,883.3	-566.4	3,053.2	3,034.6	18.59	164.207	
4,400.0	4,304.6	4,249.0	4,248.5	17.9	1.3	-105.59	-2,883.5	-565.4	3,058.3	3,039.4	18.96	161.318	
4,429.1	4,332.7	4,275.4	4,275.0	18.1	1.3	-105.72	-2,883.6	-565.0	3,060.5	3,041.4	19.11	160.140	
4,500.0	4,401.3	4,345.7	4,345.2	18.5	1.3	-106.06	-2,884.0	-564.0	3,066.0	3,046.6	19.48	157.362	
4,527.5	4,427.9	4,374.4	4,373.9	18.6	1.3	-106.20	-2,884.1	-563.5	3,068.2	3,048.6	19.63	156.313	
4,600.0	4,498.0	4,449.7	4,449.2	19.0	1.4	-106.57	-2,884.2	-562.3	3,073.8	3,053.8	20.01	153.636	
4,626.0	4,523.1	4,476.7	4,476.2	19.2	1.4	-106.70	-2,884.3	-561.9	3,075.8	3,055.7	20.14	152.703	
4,700.0	4,594.7	4,539.5	4,539.0	19.6	1.4	-107.00	-2,884.4	-561.1	3,081.7	3,061.1	20.53	150.111	
4,724.4	4,618.3	4,558.1	4,557.6	19.7	1.4	-107.09	-2,884.5	-560.9	3,083.7	3,063.0	20.66	149.282	
4,800.0	4,691.5	4,622.1	4,621.6	20.1	1.4	-107.39	-2,885.0	-560.1	3,090.2	3,069.2	21.05	146.796	
4,822.8	4,713.5	4,646.3	4,645.8	20.2	1.4	-107.50	-2,885.2	-559.8	3,092.2	3,071.0	21.17	146.067	
4,900.0	4,788.2	4,723.6	4,723.1	20.7	1.4	-107.87	-2,885.7	-558.6	3,099.0	3,077.4	21.57	143.668	
4,921.2	4,808.7	4,742.5	4,742.0	20.8	1.4	-107.96	-2,885.8	-558.3	3,100.9	3,079.2	21.68	143.025	
5,000.0	4,884.9	4,810.7	4,810.2	21.2	1.4	-108.28	-2,886.3	-557.2	3,108.1	3,086.0	22.09	140.707	
5,019.7	4,903.9	4,825.7	4,825.1	21.3	1.4	-108.35	-2,886.5	-557.0	3,109.9	3,087.7	22.19	140.141	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY PM C 18-4 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	4,981.6	4,886.7	4,886.1	21.8	1.4	-108.65	-2,887.3	-555.8	3,117.8	3,095.2	22.61	137.904	
5,118.1	4,999.1	4,900.0	4,899.4	21.8	1.4	-108.71	-2,887.5	-555.5	3,119.7	3,097.0	22.70	137.415	
5,200.0	5,078.3	4,952.5	4,951.9	22.3	1.5	-108.96	-2,888.5	-554.4	3,128.5	3,105.4	23.13	135.260	
5,216.5	5,094.3	4,963.0	4,962.4	22.4	1.5	-109.01	-2,888.8	-554.1	3,130.4	3,107.2	23.22	134.840	
5,300.0	5,175.1	5,024.2	5,023.6	22.8	1.5	-109.30	-2,890.7	-552.7	3,140.4	3,116.8	23.65	132.789	
5,314.9	5,189.5	5,038.5	5,037.9	22.9	1.5	-109.37	-2,891.2	-552.4	3,142.3	3,118.5	23.73	132.433	
5,400.0	5,271.8	5,123.3	5,122.5	23.4	1.5	-109.77	-2,893.9	-550.4	3,152.8	3,128.6	24.16	130.470	
5,413.4	5,284.7	5,138.2	5,137.4	23.5	1.5	-109.84	-2,894.4	-550.1	3,154.4	3,130.2	24.23	130.171	
5,500.0	5,368.5	5,238.8	5,238.0	23.9	1.5	-110.30	-2,897.3	-548.5	3,165.0	3,140.3	24.67	128.277	
5,511.8	5,379.9	5,253.5	5,252.7	24.0	1.5	-110.36	-2,897.7	-548.4	3,166.4	3,141.7	24.73	128.024	
5,600.0	5,465.2	5,381.1	5,380.3	24.5	1.5	-110.92	-2,900.4	-547.5	3,176.5	3,151.3	25.17	126.178	
5,610.2	5,475.1	5,397.5	5,396.7	24.5	1.5	-110.99	-2,900.6	-547.4	3,177.6	3,152.4	25.23	125.967	
5,647.2	5,510.9	5,440.8	5,439.9	24.7	1.6	-111.18	-2,901.0	-547.2	3,181.5	3,156.1	25.41	125.197	
5,700.0	5,562.1	5,502.1	5,501.3	25.0	1.6	-111.53	-2,901.5	-547.1	3,186.8	3,161.1	25.62	124.391	
5,708.6	5,570.5	5,514.2	5,513.4	25.0	1.6	-111.60	-2,901.6	-547.1	3,187.6	3,161.9	25.64	124.307	
5,800.0	5,659.6	5,639.9	5,639.1	25.3	1.6	-112.21	-2,901.3	-546.0	3,195.1	3,169.2	25.90	123.373	
5,807.1	5,666.6	5,649.3	5,648.5	25.4	1.6	-112.26	-2,901.2	-545.9	3,195.6	3,169.7	25.91	123.311	
5,900.0	5,757.9	5,751.4	5,750.5	25.7	1.6	-112.72	-2,899.8	-543.6	3,201.3	3,175.1	26.15	122.432	
5,905.5	5,763.3	5,756.6	5,755.7	25.7	1.6	-112.74	-2,899.7	-543.5	3,201.6	3,175.4	26.16	122.389	
6,000.0	5,856.7	5,849.1	5,848.1	26.0	1.6	-113.10	-2,898.3	-541.0	3,206.2	3,179.8	26.36	121.610	
6,003.9	5,860.6	5,853.1	5,852.1	26.0	1.6	-113.12	-2,898.2	-540.9	3,206.3	3,180.0	26.37	121.584	
6,100.0	5,956.1	5,940.8	5,939.8	26.2	1.6	-113.40	-2,896.9	-538.2	3,209.8	3,183.3	26.55	120.903	
6,102.3	5,958.4	5,942.7	5,941.7	26.2	1.6	-113.40	-2,896.9	-538.2	3,209.9	3,183.4	26.55	120.890	
6,200.0	6,055.7	6,019.2	6,018.2	26.4	1.6	-113.60	-2,896.0	-535.9	3,212.6	3,185.9	26.70	120.311	
6,200.8	6,056.5	6,019.7	6,018.7	26.4	1.6	-113.60	-2,896.0	-535.9	3,212.6	3,185.9	26.70	120.307	
6,299.2	6,154.8	6,100.0	6,098.9	26.5	1.7	-113.74	-2,895.9	-533.3	3,214.9	3,188.0	26.83	119.844	
6,300.0	6,155.6	6,100.0	6,098.9	26.5	1.7	-113.74	-2,895.9	-533.3	3,214.9	3,188.1	26.83	119.840	
6,382.9	6,238.5	6,160.0	6,158.8	26.6	1.7	168.86	-2,896.2	-531.2	3,216.2	3,189.3	26.88	119.633	
6,397.6	6,253.2	6,173.2	6,172.1	26.6	1.7	168.85	-2,896.3	-530.7	3,216.4	3,189.5	26.90	119.564	
6,400.0	6,255.6	6,175.3	6,174.2	26.6	1.7	168.85	-2,896.3	-530.6	3,216.4	3,189.5	26.90	119.553	
6,412.9	6,268.5	6,186.9	6,185.7	26.6	1.7	168.84	-2,896.3	-530.2	3,216.6	3,189.7	26.92	119.487	
6,450.0	6,305.6	6,222.7	6,221.5	26.7	1.7	-11.40	-2,896.5	-528.8	3,216.2	3,189.2	26.93	119.409	
6,496.0	6,351.5	6,269.0	6,267.8	26.7	1.7	-11.50	-2,896.8	-526.8	3,213.0	3,186.1	26.91	119.406	
6,500.0	6,355.4	6,273.0	6,271.8	26.7	1.7	-11.51	-2,896.8	-526.7	3,212.6	3,185.7	26.90	119.406	
6,550.0	6,404.8	6,300.0	6,298.8	26.7	1.7	-11.66	-2,897.0	-525.5	3,205.7	3,178.9	26.85	119.409	
6,594.5	6,448.1	6,344.0	6,342.7	26.8	1.7	-11.87	-2,897.3	-523.5	3,196.8	3,170.1	26.75	119.486	
6,600.0	6,453.5	6,347.5	6,346.3	26.8	1.7	-11.90	-2,897.3	-523.3	3,195.5	3,168.8	26.74	119.508	
6,650.0	6,501.3	6,379.5	6,378.2	26.8	1.7	-12.19	-2,897.8	-521.8	3,182.4	3,155.8	26.56	119.810	
6,692.9	6,541.4	6,400.0	6,398.7	26.8	1.7	-12.48	-2,898.2	-520.8	3,168.7	3,142.3	26.34	120.281	
6,700.0	6,548.0	6,400.0	6,398.7	26.8	1.7	-12.53	-2,898.2	-520.8	3,166.2	3,139.9	26.30	120.387	
6,750.0	6,593.3	6,443.2	6,441.8	26.8	1.7	-13.01	-2,899.2	-518.7	3,147.0	3,121.1	25.95	121.252	
6,791.3	6,629.6	6,468.8	6,467.4	26.8	1.8	-13.45	-2,899.9	-517.4	3,129.0	3,103.4	25.60	122.234	
6,800.0	6,637.0	6,474.1	6,472.7	26.8	1.8	-13.56	-2,900.0	-517.2	3,125.0	3,099.5	25.52	122.477	
6,850.0	6,679.0	6,505.3	6,503.8	26.8	1.8	-14.22	-2,901.1	-515.7	3,100.2	3,075.2	24.99	124.080	
6,889.7	6,710.9	6,535.6	6,534.1	26.8	1.8	-14.87	-2,902.1	-514.1	3,078.5	3,054.0	24.51	125.618	
6,900.0	6,718.9	6,543.2	6,541.7	26.8	1.8	-15.06	-2,902.3	-513.7	3,072.6	3,048.2	24.37	126.067	
6,950.0	6,756.7	6,579.2	6,577.5	26.8	1.8	-16.06	-2,903.5	-511.6	3,042.3	3,018.6	23.68	128.485	
6,988.2	6,783.9	6,606.1	6,604.4	26.8	1.8	-16.98	-2,904.5	-510.0	3,017.4	2,994.3	23.10	130.615	
7,000.0	6,792.0	6,615.4	6,613.6	26.8	1.8	-17.29	-2,904.8	-509.4	3,009.5	2,986.5	22.91	131.343	
7,050.0	6,824.8	6,652.5	6,650.7	26.8	1.8	-18.82	-2,905.9	-506.9	2,974.2	2,952.1	22.09	134.634	
7,086.6	6,847.2	6,677.8	6,675.9	26.8	1.8	-20.15	-2,906.7	-505.1	2,946.9	2,925.5	21.47	137.227	
7,100.0	6,854.9	6,686.6	6,684.7	26.8	1.8	-20.69	-2,906.9	-504.5	2,936.7	2,915.4	21.23	138.328	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	6,715.1	6,713.1	26.8	1.8	-22.96	-2,907.7	-502.3	2,897.1	2,876.7	20.36	142.300	
7,185.0	6,899.5	6,732.2	6,730.0	26.8	1.8	-24.85	-2,908.2	-501.0	2,868.3	2,848.5	19.76	145.140	
7,200.0	6,906.5	6,739.0	6,736.9	26.9	1.8	-25.75	-2,908.4	-500.4	2,855.7	2,836.2	19.53	146.252	
7,250.0	6,927.6	6,760.0	6,757.8	26.9	1.8	-29.28	-2,909.0	-498.7	2,812.7	2,793.9	18.80	149.598	
7,283.4	6,940.0	6,772.3	6,770.1	27.0	1.8	-32.16	-2,909.3	-497.6	2,783.1	2,764.7	18.43	151.037	
7,300.0	6,945.5	6,777.9	6,775.7	27.0	1.8	-33.78	-2,909.4	-497.1	2,768.2	2,750.0	18.29	151.377	
7,350.0	6,960.2	6,792.8	6,790.5	27.1	1.8	-39.58	-2,909.8	-495.8	2,722.6	2,704.5	18.11	150.375	
7,381.9	6,967.8	6,800.0	6,797.6	27.2	1.8	-44.13	-2,910.0	-495.2	2,693.0	2,674.8	18.21	147.864	
7,400.0	6,971.5	6,800.0	6,797.6	27.2	1.8	-46.90	-2,910.0	-495.2	2,676.0	2,657.7	18.34	145.936	
7,450.0	6,979.3	6,812.2	6,809.7	27.4	1.8	-56.78	-2,910.4	-494.1	2,628.7	2,609.7	19.02	138.175	
7,480.3	6,982.4	6,815.5	6,813.1	27.5	1.8	-63.80	-2,910.4	-493.8	2,599.8	2,580.2	19.57	132.866	
7,500.0	6,983.7	6,817.2	6,814.7	27.5	1.8	-68.81	-2,910.5	-493.7	2,580.9	2,560.9	19.93	129.475	
7,541.4	6,984.7	6,819.0	6,816.5	27.7	1.8	-80.21	-2,910.5	-493.5	2,541.0	2,520.3	20.76	122.393	
7,578.7	6,984.5	6,819.7	6,817.3	27.9	1.8	-80.27	-2,910.6	-493.4	2,505.1	2,484.0	21.13	118.577	
7,600.0	6,984.4	6,820.1	6,817.7	28.0	1.8	-80.31	-2,910.6	-493.4	2,484.6	2,463.3	21.33	116.461	
7,677.1	6,984.0	6,821.6	6,819.2	28.5	1.8	-80.44	-2,910.6	-493.2	2,410.5	2,388.4	22.14	108.876	
7,700.0	6,983.9	6,822.1	6,819.6	28.6	1.8	-80.47	-2,910.6	-493.2	2,388.6	2,366.2	22.38	106.735	
7,775.6	6,983.5	6,823.6	6,821.1	29.2	1.8	-80.60	-2,910.7	-493.1	2,316.3	2,293.0	23.24	99.675	
7,800.0	6,983.4	6,824.1	6,821.6	29.4	1.8	-80.64	-2,910.7	-493.0	2,292.9	2,269.4	23.52	97.506	
7,874.0	6,983.1	6,825.6	6,823.1	30.0	1.8	-80.77	-2,910.7	-492.9	2,222.4	2,197.9	24.44	90.919	
7,900.0	6,982.9	6,826.1	6,823.6	30.3	1.8	-80.81	-2,910.7	-492.8	2,197.6	2,172.9	24.77	88.724	
7,972.4	6,982.6	6,827.5	6,825.0	31.0	1.8	-80.93	-2,910.8	-492.7	2,128.9	2,103.1	25.75	82.680	
8,000.0	6,982.4	6,828.1	6,825.6	31.3	1.9	-80.98	-2,910.8	-492.7	2,102.8	2,076.6	26.12	80.500	
8,070.8	6,982.1	6,829.5	6,827.0	32.1	1.9	-81.10	-2,910.8	-492.5	2,035.9	2,008.7	27.14	75.018	
8,100.0	6,982.0	6,830.1	6,827.6	32.4	1.9	-81.15	-2,910.8	-492.5	2,008.4	1,980.8	27.56	72.882	
8,169.3	6,981.6	6,831.5	6,829.0	33.2	1.9	-81.27	-2,910.9	-492.4	1,943.4	1,914.8	28.60	67.950	
8,200.0	6,981.5	6,832.2	6,829.6	33.6	1.9	-81.32	-2,910.9	-492.3	1,914.6	1,885.5	29.06	65.880	
8,267.7	6,981.1	6,833.6	6,831.0	34.5	1.9	-81.44	-2,910.9	-492.2	1,851.5	1,821.3	30.12	61.467	
8,300.0	6,981.0	6,834.2	6,831.7	34.9	1.9	-81.50	-2,911.0	-492.1	1,821.5	1,790.8	30.63	59.472	
8,366.1	6,980.7	6,835.6	6,833.1	35.8	1.9	-81.61	-2,911.0	-492.0	1,760.3	1,728.6	31.70	55.538	
8,400.0	6,980.5	6,836.3	6,833.8	36.3	1.9	-81.67	-2,911.0	-491.9	1,729.1	1,696.8	32.24	53.628	
8,464.5	6,980.2	6,837.7	6,835.1	37.2	1.9	-81.78	-2,911.1	-491.8	1,669.9	1,636.6	33.31	50.129	
8,500.0	6,980.0	6,838.4	6,835.9	37.7	1.9	-81.85	-2,911.1	-491.7	1,637.6	1,603.7	33.90	48.306	
8,563.0	6,979.7	6,839.7	6,837.2	38.6	1.9	-81.96	-2,911.1	-491.6	1,580.5	1,545.5	34.97	45.199	
8,600.0	6,979.5	6,840.5	6,838.0	39.1	1.9	-82.03	-2,911.1	-491.5	1,547.2	1,511.6	35.60	43.465	
8,661.4	6,979.2	6,841.8	6,839.3	40.1	1.9	-82.14	-2,911.2	-491.4	1,492.2	1,455.6	36.66	40.709	
8,700.0	6,979.0	6,842.7	6,840.1	40.7	1.9	-82.21	-2,911.2	-491.3	1,458.0	1,420.7	37.32	39.064	
8,759.8	6,978.7	6,843.9	6,841.4	41.6	1.9	-82.31	-2,911.2	-491.2	1,405.3	1,366.9	38.37	36.623	
8,800.0	6,978.5	6,844.8	6,842.2	42.2	1.9	-82.39	-2,911.3	-491.1	1,370.3	1,331.2	39.08	35.066	
8,858.2	6,978.2	6,846.1	6,843.5	43.1	1.9	-82.49	-2,911.3	-491.0	1,320.0	1,279.9	40.11	32.907	
8,900.0	6,978.0	6,847.0	6,844.4	43.8	1.9	-82.57	-2,911.3	-490.9	1,284.4	1,243.5	40.86	31.437	
8,956.7	6,977.8	6,848.2	6,845.6	44.7	1.9	-82.68	-2,911.4	-490.8	1,236.6	1,194.8	41.88	29.531	
9,000.0	6,977.5	6,849.2	6,846.6	45.4	1.9	-82.76	-2,911.4	-490.7	1,200.7	1,158.0	42.66	28.148	
9,055.1	6,977.3	6,850.4	6,847.8	46.3	1.9	-82.86	-2,911.4	-490.6	1,155.6	1,112.0	43.66	26.471	
9,100.0	6,977.1	6,851.4	6,848.8	47.1	1.9	-82.94	-2,911.5	-490.5	1,119.6	1,075.1	44.47	25.175	
9,153.5	6,976.8	6,852.6	6,850.0	48.0	1.9	-83.04	-2,911.5	-490.4	1,077.5	1,032.1	45.45	23.705	
9,200.0	6,976.6	6,853.6	6,851.0	48.8	1.9	-83.13	-2,911.5	-490.3	1,041.8	995.5	46.31	22.498	
9,251.9	6,976.3	6,854.8	6,852.2	49.7	1.9	-83.23	-2,911.5	-490.2	1,003.0	955.7	47.27	21.220	
9,300.0	6,976.1	6,855.9	6,853.2	50.5	1.9	-83.32	-2,911.6	-490.1	968.2	920.0	48.16	20.105	
9,350.4	6,975.8	6,857.0	6,854.4	51.3	1.9	-83.42	-2,911.6	-490.0	932.9	883.8	49.09	19.002	
9,400.0	6,975.6	6,858.1	6,855.5	52.2	1.9	-83.51	-2,911.6	-489.9	899.6	849.6	50.02	17.985	
9,448.8	6,975.3	6,859.3	6,856.6	53.1	1.9	-83.61	-2,911.7	-489.8	868.3	817.4	50.93	17.049	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY PM C 18-4 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,500.0	6,975.1	6,860.4	6,857.8	54.0	1.9	-83.71	-2,911.7	-489.7	837.4	785.5	51.89	16.136	
9,547.2	6,974.9	6,861.5	6,858.9	54.8	1.9	-83.80	-2,911.7	-489.6	810.6	757.8	52.78	15.357	
9,600.0	6,974.6	6,862.7	6,860.1	55.7	1.9	-83.90	-2,911.8	-489.5	783.0	729.2	53.78	14.560	
9,645.6	6,974.4	6,863.8	6,861.1	56.5	1.9	-83.99	-2,911.8	-489.4	761.2	706.6	54.64	13.931	
9,700.0	6,974.1	6,865.1	6,862.4	57.5	1.9	-84.10	-2,911.9	-489.3	738.2	682.5	55.67	13.260	
9,744.1	6,973.9	6,866.1	6,863.4	58.3	1.9	-84.18	-2,911.9	-489.2	722.0	665.5	56.51	12.776	
9,800.0	6,973.6	6,867.4	6,864.7	59.3	1.9	-84.30	-2,911.9	-489.1	704.8	647.3	57.57	12.242	
9,842.5	6,973.4	6,868.4	6,865.7	60.0	1.9	-84.38	-2,912.0	-489.0	694.5	636.2	58.39	11.896	
9,900.0	6,973.1	6,869.8	6,867.1	61.1	1.9	-84.50	-2,912.0	-488.8	684.6	625.1	59.48	11.509	
9,940.9	6,972.9	6,870.8	6,868.1	61.8	1.9	-84.58	-2,912.0	-488.8	680.4	620.1	60.27	11.289	
9,990.8	6,972.7	6,872.0	6,869.3	62.7	1.9	-84.68	-2,912.1	-488.6	678.5	617.3	61.23	11.083 CC	
10,000.0	6,972.6	6,872.2	6,869.5	62.9	1.9	-84.70	-2,912.1	-488.6	678.6	617.2	61.40	11.052 ES	
10,039.3	6,972.4	6,873.1	6,870.4	63.6	1.9	-84.78	-2,912.1	-488.5	680.3	618.1	62.16	10.944	
10,100.0	6,972.1	6,874.6	6,871.9	64.7	1.9	-84.90	-2,912.1	-488.4	687.3	623.9	63.33	10.853	
10,137.8	6,972.0	6,875.5	6,872.8	65.4	1.9	-84.98	-2,912.2	-488.3	694.3	630.2	64.05	10.838 SF	
10,200.0	6,971.6	6,877.1	6,874.3	66.6	1.9	-85.11	-2,912.2	-488.2	710.0	644.8	65.26	10.881	
10,236.2	6,971.5	6,877.9	6,875.2	67.2	1.9	-85.18	-2,912.2	-488.1	721.5	655.6	65.96	10.939	
10,300.0	6,971.2	6,879.5	6,876.8	68.4	1.9	-85.32	-2,912.3	-487.9	745.6	678.4	67.19	11.097	
10,334.6	6,971.0	6,880.4	6,877.6	69.0	1.9	-85.39	-2,912.3	-487.9	760.6	692.8	67.86	11.208	
10,400.0	6,970.7	6,882.0	6,879.3	70.2	1.9	-85.53	-2,912.4	-487.7	792.3	723.2	69.13	11.461	
10,433.0	6,970.5	6,882.8	6,880.1	70.9	1.9	-85.60	-2,912.4	-487.6	809.9	740.1	69.77	11.607	
10,500.0	6,970.2	6,884.5	6,881.7	72.1	1.9	-85.74	-2,912.4	-487.5	848.2	777.2	71.08	11.934	
10,531.5	6,970.0	6,885.3	6,882.5	72.7	1.9	-85.81	-2,912.5	-487.4	867.5	795.8	71.69	12.100	
10,600.0	6,969.7	6,887.0	6,884.3	74.0	1.9	-85.95	-2,912.5	-487.2	911.7	838.7	73.03	12.485	
10,629.9	6,969.5	6,887.8	6,885.0	74.5	1.9	-86.02	-2,912.5	-487.2	932.0	858.4	73.61	12.661	
10,700.0	6,969.2	6,889.6	6,886.8	75.8	1.9	-86.17	-2,912.6	-487.0	981.3	906.4	74.98	13.088	
10,728.3	6,969.0	6,890.3	6,887.5	76.4	1.9	-86.23	-2,912.6	-486.9	1,002.0	926.5	75.54	13.265	
10,800.0	6,968.7	6,892.2	6,889.4	77.7	1.9	-86.39	-2,912.7	-486.8	1,055.8	978.9	76.94	13.723	
10,826.7	6,968.6	6,892.9	6,890.1	78.2	1.9	-86.44	-2,912.7	-486.7	1,076.5	999.0	77.46	13.897	
10,900.0	6,968.2	6,894.8	6,892.0	79.6	1.9	-86.61	-2,912.8	-486.5	1,134.2	1,055.3	78.90	14.376	
10,925.2	6,968.1	6,895.5	6,892.6	80.1	1.9	-86.66	-2,912.8	-486.5	1,154.5	1,075.1	79.39	14.542	
11,000.0	6,967.7	6,897.4	6,894.6	81.5	1.9	-86.83	-2,912.8	-486.3	1,215.8	1,135.0	80.86	15.036	
11,023.6	6,967.6	6,898.0	6,895.2	81.9	1.9	-86.88	-2,912.9	-486.2	1,235.5	1,154.1	81.33	15.192	
11,100.0	6,967.2	6,900.0	6,897.2	83.4	1.9	-87.04	-2,912.9	-486.0	1,300.0	1,217.1	82.83	15.695	
11,122.0	6,967.1	6,900.0	6,897.2	83.8	1.9	-87.04	-2,912.9	-486.0	1,318.8	1,235.5	83.26	15.840	
11,200.0	6,966.7	6,900.0	6,897.2	85.3	1.9	-87.04	-2,912.9	-486.0	1,386.2	1,301.5	84.77	16.353	
11,220.4	6,966.6	6,900.0	6,897.2	85.7	1.9	-87.04	-2,912.9	-486.0	1,404.1	1,318.9	85.17	16.486	
11,300.0	6,966.2	6,904.9	6,902.0	87.2	1.9	-87.45	-2,913.1	-485.6	1,474.2	1,387.4	86.76	16.991	
11,318.9	6,966.1	6,905.3	6,902.4	87.5	1.9	-87.49	-2,913.1	-485.5	1,491.0	1,403.9	87.13	17.111	
11,400.0	6,965.7	6,907.2	6,904.3	89.1	1.9	-87.65	-2,913.1	-485.4	1,563.6	1,474.9	88.73	17.622	
11,417.3	6,965.6	6,907.6	6,904.7	89.4	1.9	-87.68	-2,913.2	-485.3	1,579.2	1,490.2	89.07	17.730	
11,500.0	6,965.2	6,909.5	6,906.6	91.0	1.9	-87.84	-2,913.2	-485.1	1,654.3	1,563.6	90.70	18.238	
11,515.7	6,965.2	6,909.9	6,907.0	91.3	1.9	-87.87	-2,913.2	-485.1	1,668.6	1,577.6	91.01	18.334	
11,600.0	6,964.7	6,911.8	6,908.9	92.9	1.9	-88.04	-2,913.3	-484.9	1,745.9	1,653.2	92.68	18.839	
11,614.1	6,964.7	6,912.1	6,909.2	93.2	1.9	-88.06	-2,913.3	-484.9	1,759.0	1,666.0	92.96	18.923	
11,700.0	6,964.3	6,914.0	6,911.1	94.8	1.9	-88.22	-2,913.3	-484.7	1,838.4	1,743.8	94.65	19.424	
11,712.6	6,964.2	6,914.3	6,911.4	95.1	1.9	-88.25	-2,913.4	-484.7	1,850.1	1,755.2	94.90	19.496	
11,800.0	6,963.8	6,916.3	6,913.3	96.7	1.9	-88.41	-2,913.4	-484.5	1,931.7	1,835.1	96.63	19.992	
11,811.0	6,963.7	6,916.5	6,913.6	97.0	1.9	-88.43	-2,913.4	-484.5	1,942.0	1,845.2	96.84	20.053	
11,900.0	6,963.3	6,918.4	6,915.5	98.7	1.9	-88.60	-2,913.5	-484.3	2,025.6	1,927.0	98.60	20.544	
11,909.4	6,963.2	6,918.7	6,915.7	98.9	1.9	-88.61	-2,913.5	-484.3	2,034.5	1,935.7	98.79	20.595	
12,000.0	6,962.8	6,920.6	6,917.7	100.6	1.9	-88.78	-2,913.5	-484.1	2,120.1	2,019.5	100.58	21.079	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - FRY PM C 18-4 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,007.8	6,962.7	6,920.8	6,917.8	100.7	1.9	-88.79	-2,913.5	-484.1	2,127.5	2,026.8	100.73	21.120	
12,100.0	6,962.3	6,922.8	6,919.8	102.5	1.9	-88.96	-2,913.6	-483.9	2,215.0	2,112.5	102.55	21.598	
12,106.3	6,962.2	6,922.9	6,919.9	102.6	1.9	-88.97	-2,913.6	-483.9	2,221.0	2,118.3	102.68	21.630	
12,200.0	6,961.8	6,924.9	6,921.9	104.5	1.9	-89.13	-2,913.7	-483.7	2,310.4	2,205.9	104.53	22.102	
12,204.7	6,961.8	6,925.0	6,922.0	104.5	1.9	-89.14	-2,913.7	-483.7	2,314.9	2,210.3	104.63	22.125	
12,300.0	6,961.3	6,926.9	6,924.0	106.4	1.9	-89.31	-2,913.7	-483.5	2,406.1	2,299.6	106.51	22.590	
12,303.1	6,961.3	6,927.0	6,924.0	106.4	1.9	-89.31	-2,913.7	-483.5	2,409.1	2,302.6	106.57	22.605	
12,400.0	6,960.8	6,929.0	6,926.0	108.3	1.9	-89.48	-2,913.8	-483.3	2,502.2	2,393.7	108.49	23.064	
12,401.5	6,960.8	6,929.0	6,926.1	108.3	1.9	-89.48	-2,913.8	-483.3	2,503.7	2,395.2	108.52	23.071	
12,500.0	6,960.3	6,931.0	6,928.1	110.3	1.9	-89.65	-2,913.9	-483.1	2,598.6	2,488.1	110.47	23.523	
12,598.4	6,959.8	6,933.0	6,930.0	112.2	1.9	-89.82	-2,913.9	-482.9	2,693.6	2,581.2	112.42	23.961	
12,600.0	6,959.8	6,933.0	6,930.0	112.2	1.9	-89.82	-2,913.9	-482.9	2,695.2	2,582.7	112.45	23.968	
12,696.8	6,959.3	6,935.0	6,932.0	114.1	1.9	-89.98	-2,914.0	-482.8	2,789.0	2,674.6	114.36	24.387	
12,700.0	6,959.3	6,935.0	6,932.0	114.1	1.9	-89.98	-2,914.0	-482.8	2,792.1	2,677.6	114.43	24.400	
12,795.2	6,958.8	6,936.9	6,933.9	116.0	1.9	-90.14	-2,914.0	-482.6	2,884.5	2,768.2	116.31	24.800	
12,800.0	6,958.8	6,937.0	6,934.0	116.1	1.9	-90.15	-2,914.0	-482.6	2,889.1	2,772.7	116.41	24.819	
12,893.7	6,958.3	6,938.8	6,935.8	117.9	1.9	-90.30	-2,914.1	-482.4	2,980.3	2,862.0	118.26	25.200	
12,900.0	6,958.3	6,938.9	6,935.9	118.0	1.9	-90.31	-2,914.1	-482.4	2,986.4	2,868.0	118.39	25.226	
12,992.1	6,957.9	6,940.7	6,937.6	119.8	1.9	-90.46	-2,914.1	-482.2	3,076.1	2,955.9	120.21	25.590	
13,000.0	6,957.8	6,940.8	6,937.8	120.0	1.9	-90.47	-2,914.1	-482.2	3,083.9	2,963.5	120.37	25.620	
13,090.5	6,957.4	6,942.5	6,939.5	121.7	1.9	-90.61	-2,914.2	-482.1	3,172.2	3,050.0	122.16	25.968	
13,100.0	6,957.3	6,942.7	6,939.7	121.9	1.9	-90.63	-2,914.2	-482.0	3,181.5	3,059.1	122.35	26.004	
13,188.9	6,956.9	6,944.4	6,941.3	123.6	1.9	-90.76	-2,914.2	-481.9	3,268.4	3,144.3	124.11	26.335	
13,200.0	6,956.8	6,944.6	6,941.5	123.9	1.9	-90.78	-2,914.2	-481.9	3,279.2	3,154.9	124.33	26.376	
13,287.4	6,956.4	6,946.2	6,943.1	125.6	1.9	-90.92	-2,914.3	-481.7	3,364.7	3,238.7	126.06	26.692	
13,300.0	6,956.3	6,946.4	6,943.4	125.8	1.9	-90.93	-2,914.3	-481.7	3,377.1	3,250.8	126.31	26.737	
13,385.8	6,955.9	6,948.0	6,944.9	127.5	1.9	-91.06	-2,914.3	-481.5	3,461.1	3,333.1	128.00	27.039	
13,400.0	6,955.8	6,948.3	6,945.2	127.8	1.9	-91.09	-2,914.3	-481.5	3,475.1	3,346.8	128.29	27.089	
13,484.2	6,955.4	6,949.8	6,946.7	129.4	1.9	-91.21	-2,914.4	-481.4	3,557.7	3,427.7	129.95	27.377	
13,500.0	6,955.3	6,950.1	6,947.0	129.7	1.9	-91.24	-2,914.4	-481.4	3,573.2	3,442.9	130.26	27.430	
13,582.6	6,954.9	6,951.5	6,948.4	131.3	1.9	-91.36	-2,914.4	-481.2	3,654.3	3,522.4	131.90	27.705	
13,600.0	6,954.8	6,951.8	6,948.8	131.7	1.9	-91.38	-2,914.4	-481.2	3,671.4	3,539.1	132.24	27.762	
13,681.1	6,954.4	6,953.3	6,950.2	133.2	1.9	-91.50	-2,914.5	-481.1	3,751.1	3,617.2	133.85	28.025	
13,700.0	6,954.3	6,953.6	6,950.5	133.6	1.9	-91.53	-2,914.5	-481.0	3,769.7	3,635.5	134.22	28.085	
13,779.5	6,953.9	6,955.0	6,951.9	135.2	1.9	-91.64	-2,914.5	-480.9	3,847.9	3,712.1	135.79	28.336	
13,800.0	6,953.8	6,955.3	6,952.2	135.6	1.9	-91.67	-2,914.5	-480.9	3,868.1	3,731.9	136.20	28.400	
13,877.9	6,953.5	6,956.7	6,953.6	137.1	1.9	-91.79	-2,914.6	-480.7	3,944.8	3,807.0	137.74	28.639	
13,900.0	6,953.3	6,957.1	6,953.9	137.5	1.9	-91.82	-2,914.6	-480.7	3,966.5	3,828.3	138.18	28.706	
13,976.3	6,953.0	6,958.4	6,955.2	139.0	1.9	-91.92	-2,914.6	-480.6	4,041.8	3,902.1	139.69	28.934	
14,000.0	6,952.8	6,958.8	6,955.6	139.5	1.9	-91.96	-2,914.6	-480.5	4,065.1	3,924.9	140.16	29.004	
14,074.8	6,952.5	6,960.0	6,956.9	140.9	1.9	-92.06	-2,914.7	-480.4	4,138.8	3,997.2	141.63	29.222	
14,100.0	6,952.4	6,960.4	6,957.3	141.4	1.9	-92.10	-2,914.7	-480.4	4,163.7	4,021.5	142.13	29.294	
14,170.4	6,952.0	6,961.6	6,958.5	142.8	1.9	-92.19	-2,914.7	-480.3	4,233.1	4,089.6	143.46	29.507	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 600-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	-104.18	-193.1	-764.0	788.2				
98.4	98.4	78.7	78.7	0.1	0.1	-104.18	-193.0	-764.0	788.0	787.8	0.18	4,426.342	
100.0	100.0	80.3	80.3	0.1	0.1	-104.18	-193.0	-764.0	788.0	787.8	0.18	4,342.961	
196.8	196.8	176.8	176.8	0.3	0.2	-104.17	-192.9	-764.1	788.1	787.6	0.50	1,574.630	
200.0	200.0	180.0	180.0	0.3	0.2	-104.17	-192.9	-764.1	788.1	787.6	0.51	1,542.651	
295.3	295.3	274.9	274.9	0.5	0.3	-104.15	-192.7	-764.2	788.2	787.3	0.82	955.689	
300.0	300.0	279.6	279.6	0.5	0.3	-104.15	-192.7	-764.2	788.2	787.3	0.84	937.993	
393.7	393.7	373.1	373.1	0.8	0.4	-104.13	-192.5	-764.4	788.3	787.1	1.15	686.106	
400.0	400.0	379.3	379.3	0.8	0.4	-104.13	-192.4	-764.4	788.3	787.1	1.17	673.941	
492.1	492.1	471.2	471.2	1.0	0.5	-104.10	-192.1	-764.7	788.4	787.0	1.47	535.212	
500.0	500.0	479.0	479.0	1.0	0.5	-104.10	-192.1	-764.7	788.5	787.0	1.50	525.960	
590.5	590.5	569.3	569.3	1.2	0.6	-104.06	-191.6	-765.0	788.6	786.8	1.80	438.778	
600.0	600.0	578.7	578.7	1.2	0.6	-104.06	-191.6	-765.0	788.7	786.8	1.83	431.319	
689.0	689.0	665.1	665.1	1.4	0.8	-104.02	-191.2	-765.5	789.0	786.8	2.19	359.831	
700.0	700.0	675.7	675.7	1.4	0.8	-104.02	-191.1	-765.5	789.0	786.8	2.24	352.168	
787.4	787.4	761.2	761.2	1.6	1.0	-103.98	-190.8	-766.3	789.7	787.1	2.61	302.214	
800.0	800.0	773.7	773.7	1.7	1.0	-103.98	-190.8	-766.4	789.8	787.1	2.67	296.215	
885.8	885.8	858.0	858.0	1.9	1.2	-103.96	-190.8	-767.2	790.6	787.6	3.03	260.643	
900.0	900.0	872.0	872.0	1.9	1.2	-103.96	-190.8	-767.4	790.8	787.7	3.09	255.560	
984.2	984.2	953.8	953.8	2.1	1.4	-103.94	-190.8	-768.4	791.8	788.3	3.46	228.848	
1,000.0	1,000.0	969.0	969.0	2.1	1.4	-103.94	-190.8	-768.6	792.0	788.5	3.53	224.456	
1,082.7	1,082.7	1,051.0	1,050.9	2.3	1.6	-26.65	-191.1	-769.8	792.2	788.4	3.87	204.495	
1,100.0	1,100.0	1,068.4	1,068.4	2.3	1.6	-26.68	-191.3	-770.1	792.0	788.1	3.95	200.692	
1,181.1	1,181.0	1,149.0	1,148.9	2.5	1.8	-26.86	-192.0	-771.2	789.7	785.4	4.28	184.652	
1,200.0	1,199.8	1,167.6	1,167.5	2.5	1.8	-26.92	-192.2	-771.4	788.9	784.5	4.35	181.238	
1,279.5	1,279.1	1,246.7	1,246.6	2.7	2.0	-27.23	-193.2	-772.5	784.3	779.6	4.68	167.611	
1,300.0	1,299.5	1,267.2	1,267.1	2.8	2.0	-27.33	-193.5	-772.8	782.8	778.0	4.76	164.341	
1,377.9	1,376.9	1,344.8	1,344.7	3.0	2.2	-27.75	-194.4	-773.9	775.9	770.8	5.09	152.486	
1,400.0	1,398.7	1,366.6	1,366.5	3.0	2.2	-27.89	-194.7	-774.2	773.6	768.4	5.18	149.348	
1,476.4	1,474.2	1,443.7	1,443.6	3.2	2.4	-28.44	-195.5	-775.2	764.5	759.0	5.51	138.830	
1,500.0	1,497.5	1,468.0	1,467.9	3.3	2.4	-28.63	-195.8	-775.5	761.3	755.7	5.61	135.746	
1,574.8	1,571.0	1,542.3	1,542.2	3.5	2.6	-29.29	-196.5	-776.2	750.0	744.0	5.93	126.362	
1,600.0	1,595.6	1,566.8	1,566.7	3.6	2.6	-29.53	-196.7	-776.5	745.8	739.7	6.04	123.392	
1,673.2	1,667.0	1,637.6	1,637.5	3.9	2.8	-30.29	-197.1	-777.3	732.7	726.3	6.37	114.972	
1,700.0	1,693.1	1,663.5	1,663.4	4.0	2.9	-30.59	-197.2	-777.7	727.5	721.0	6.49	112.049	
1,735.7	1,727.6	1,697.8	1,697.7	4.1	2.9	-31.02	-197.4	-778.1	720.3	713.7	6.66	108.190	
1,771.6	1,762.4	1,732.4	1,732.3	4.3	3.0	-31.39	-197.5	-778.6	713.0	706.1	6.84	104.304	
1,800.0	1,789.8	1,759.7	1,759.6	4.4	3.1	-31.68	-197.5	-779.1	707.2	700.2	6.98	101.369	
1,870.1	1,857.6	1,827.2	1,827.0	4.7	3.2	-32.41	-197.5	-780.2	693.1	685.7	7.34	94.477	
1,900.0	1,886.6	1,856.0	1,855.9	4.8	3.3	-32.72	-197.5	-780.7	687.1	679.6	7.49	91.748	
1,968.5	1,952.8	1,922.1	1,921.9	5.2	3.4	-33.46	-197.3	-781.9	673.5	665.6	7.85	85.816	
2,000.0	1,983.3	1,952.5	1,952.3	5.3	3.5	-33.80	-197.1	-782.5	667.3	659.3	8.02	83.195	
2,066.9	2,048.0	2,017.2	2,017.0	5.6	3.6	-34.55	-196.8	-783.9	654.2	645.8	8.39	77.999	
2,100.0	2,080.0	2,049.3	2,049.2	5.8	3.7	-34.92	-196.5	-784.6	647.8	639.2	8.57	75.571	
2,165.3	2,143.2	2,112.9	2,112.7	6.1	3.8	-35.69	-196.1	-785.9	635.3	626.3	8.94	71.028	
2,200.0	2,176.7	2,146.5	2,146.3	6.3	3.9	-36.11	-195.9	-786.6	628.6	619.5	9.14	68.753	
2,263.8	2,238.4	2,208.5	2,208.3	6.6	4.0	-36.91	-195.6	-788.0	616.6	607.0	9.52	64.779	
2,300.0	2,273.4	2,243.7	2,243.5	6.8	4.1	-37.38	-195.3	-788.7	609.8	600.0	9.73	62.645	
2,362.2	2,333.6	2,304.2	2,303.9	7.1	4.2	-38.21	-195.0	-790.0	598.2	588.1	10.11	59.163	
2,400.0	2,370.2	2,340.9	2,340.7	7.3	4.3	-38.73	-194.8	-790.8	591.2	580.8	10.34	57.159	
2,460.6	2,428.8	2,399.9	2,399.6	7.6	4.4	-39.58	-194.4	-792.0	580.1	569.4	10.72	54.102	
2,500.0	2,466.9	2,438.1	2,437.8	7.8	4.5	-40.16	-194.2	-792.9	573.0	562.0	10.97	52.220	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 600-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,559.0	2,524.0	2,495.5	2,495.2	8.1	4.6	-41.05	-193.9	-794.1	562.4	551.1	11.35	49.533	
2,600.0	2,563.6	2,535.4	2,535.1	8.3	4.7	-41.68	-193.7	-794.9	555.2	543.5	11.62	47.764	
2,657.5	2,619.2	2,591.5	2,591.2	8.6	4.8	-42.61	-193.4	-796.1	545.1	533.1	12.01	45.399	
2,700.0	2,660.3	2,633.0	2,632.7	8.8	4.9	-43.31	-193.1	-797.0	537.7	525.4	12.29	43.735	
2,755.9	2,714.4	2,687.5	2,687.2	9.1	5.0	-44.26	-192.8	-798.1	528.1	515.4	12.68	41.651	
2,800.0	2,757.0	2,730.5	2,730.2	9.4	5.1	-45.03	-192.5	-799.0	520.7	507.7	12.99	40.087	
2,854.3	2,809.6	2,783.5	2,783.2	9.6	5.2	-46.01	-192.1	-800.1	511.6	498.2	13.37	38.249	
2,900.0	2,853.8	2,828.1	2,827.7	9.9	5.3	-46.86	-191.8	-801.1	504.1	490.3	13.71	36.778	
2,952.7	2,904.8	2,879.5	2,879.1	10.2	5.4	-47.87	-191.4	-802.1	495.5	481.4	14.09	35.157	
3,000.0	2,950.5	2,925.6	2,925.2	10.4	5.5	-48.81	-191.0	-803.1	487.9	473.5	14.45	33.775	
3,051.2	3,000.0	2,975.5	2,975.1	10.7	5.6	-49.85	-190.6	-804.1	479.9	465.1	14.84	32.347	
3,100.0	3,047.2	3,023.6	3,023.2	10.9	5.7	-50.89	-190.1	-805.0	472.4	457.1	15.21	31.047	
3,149.6	3,095.2	3,072.9	3,072.5	11.2	5.8	-51.99	-189.7	-805.9	464.8	449.1	15.61	29.777	
3,200.0	3,143.9	3,123.0	3,122.6	11.5	5.9	-53.17	-189.3	-806.6	457.1	441.1	16.01	28.543	
3,248.0	3,190.4	3,170.6	3,170.2	11.7	6.0	-54.33	-188.9	-807.1	449.9	433.4	16.41	27.417	
3,300.0	3,240.6	3,222.0	3,221.6	12.0	6.1	-55.65	-188.5	-807.5	442.1	425.3	16.84	26.253	
3,346.4	3,285.6	3,268.0	3,267.5	12.3	6.2	-56.88	-188.1	-807.7	435.3	418.1	17.23	25.258	
3,400.0	3,337.4	3,320.8	3,320.3	12.5	6.3	-58.35	-187.7	-807.8	427.6	409.9	17.70	24.165	
3,444.9	3,380.8	3,365.0	3,364.6	12.8	6.4	-59.64	-187.3	-807.7	421.3	403.2	18.09	23.292	
3,500.0	3,434.1	3,419.2	3,418.8	13.1	6.6	-61.29	-186.9	-807.4	413.7	395.1	18.58	22.272	
3,543.3	3,476.0	3,461.7	3,461.3	13.3	6.6	-62.64	-186.6	-807.1	407.9	389.0	18.96	21.511	
3,600.0	3,530.8	3,517.0	3,516.5	13.6	6.8	-64.46	-186.2	-806.5	400.6	381.1	19.48	20.569	
3,641.7	3,571.2	3,557.0	3,556.6	13.8	6.8	-65.82	-185.9	-806.0	395.5	375.6	19.85	19.921	
3,700.0	3,627.5	3,613.1	3,612.6	14.2	7.0	-67.77	-185.4	-805.5	388.8	368.4	20.38	19.074	
3,740.1	3,666.4	3,651.7	3,651.2	14.4	7.0	-69.14	-185.1	-805.2	384.4	363.7	20.75	18.530	
3,800.0	3,724.2	3,709.3	3,708.8	14.7	7.2	-71.23	-184.6	-804.8	378.4	357.1	21.29	17.775	
3,838.6	3,761.6	3,746.5	3,746.0	14.9	7.2	-72.60	-184.3	-804.6	374.9	353.2	21.64	17.324	
3,900.0	3,821.0	3,805.7	3,805.2	15.2	7.4	-74.82	-183.7	-804.3	369.7	347.5	22.19	16.659	
3,937.0	3,856.8	3,841.4	3,840.9	15.4	7.4	-76.18	-183.4	-804.2	366.9	344.4	22.52	16.289	
4,000.0	3,917.7	3,902.2	3,901.7	15.8	7.6	-78.53	-182.7	-804.1	362.6	339.6	23.08	15.711	
4,035.4	3,951.9	3,936.4	3,936.0	16.0	7.6	-79.87	-182.4	-804.1	360.6	337.2	23.39	15.414	
4,100.0	4,014.4	3,998.9	3,998.4	16.3	7.8	-82.32	-181.7	-804.1	357.3	333.3	23.95	14.920	
4,133.8	4,047.1	4,032.0	4,031.5	16.5	7.8	-83.64	-181.3	-804.2	355.8	331.6	24.23	14.684	
4,200.0	4,111.1	4,096.9	4,096.4	16.9	8.0	-86.24	-180.5	-804.2	353.5	328.7	24.78	14.263	
4,232.3	4,142.3	4,128.5	4,128.0	17.0	8.0	-87.52	-180.0	-804.3	352.5	327.5	25.04	14.077	
4,300.0	4,207.8	4,194.8	4,194.3	17.4	8.2	-90.23	-178.9	-804.2	351.1	325.5	25.57	13.728	
4,330.7	4,237.5	4,224.9	4,224.4	17.6	8.2	-91.46	-178.4	-804.2	350.7	324.8	25.81	13.588	
4,400.0	4,304.6	4,292.8	4,292.2	17.9	8.4	-94.26	-177.1	-804.1	350.2	323.9	26.31	13.309	
4,411.1	4,315.3	4,303.7	4,303.1	18.0	8.4	-94.71	-176.9	-804.1	350.2	323.8	26.39	13.269 CC	
4,429.1	4,332.7	4,321.3	4,320.7	18.1	8.4	-95.43	-176.5	-804.1	350.2	323.7	26.51	13.207 ES	
4,500.0	4,401.3	4,390.7	4,390.1	18.5	8.6	-98.30	-174.9	-803.9	350.8	323.8	26.99	12.997	
4,527.5	4,427.9	4,417.6	4,417.1	18.6	8.6	-99.41	-174.3	-803.8	351.2	324.0	27.16	12.929	
4,600.0	4,498.0	4,488.5	4,487.9	19.0	8.8	-102.32	-172.5	-803.5	352.8	325.3	27.60	12.785	
4,626.0	4,523.1	4,513.6	4,513.0	19.2	8.9	-103.35	-171.8	-803.4	353.6	325.9	27.75	12.746	
4,700.0	4,594.7	4,584.3	4,583.7	19.6	9.0	-106.24	-170.0	-802.9	356.7	328.5	28.14	12.676	
4,724.4	4,618.3	4,607.6	4,607.0	19.7	9.0	-107.19	-169.4	-802.7	357.9	329.7	28.26	12.667 SF	
4,800.0	4,691.5	4,679.6	4,678.9	20.1	9.2	-110.12	-167.8	-801.8	362.6	334.0	28.61	12.676	
4,822.8	4,713.5	4,701.3	4,700.6	20.2	9.2	-111.00	-167.4	-801.5	364.3	335.6	28.70	12.691	
4,900.0	4,788.2	4,774.5	4,773.8	20.7	9.4	-113.93	-165.9	-800.1	370.7	341.7	29.01	12.778	
4,921.2	4,808.7	4,794.7	4,794.0	20.8	9.4	-114.72	-165.6	-799.7	372.7	343.6	29.09	12.812	
5,000.0	4,884.9	4,869.2	4,868.4	21.2	9.6	-117.62	-164.3	-797.9	380.9	351.6	29.36	12.976	
5,019.7	4,903.9	4,887.7	4,887.0	21.3	9.6	-118.33	-164.0	-797.4	383.2	353.8	29.42	13.025	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 600-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	4,981.6	4,963.5	4,962.7	21.8	9.8	-121.16	-163.0	-795.2	393.2	363.6	29.65	13.261	
5,118.1	4,999.1	4,980.5	4,979.7	21.8	9.8	-121.79	-162.8	-794.7	395.7	366.0	29.70	13.321	
5,200.0	5,078.3	5,058.7	5,057.9	22.3	10.0	-124.56	-161.9	-792.1	407.4	377.5	29.91	13.624	
5,216.5	5,094.3	5,074.5	5,073.7	22.4	10.0	-125.11	-161.7	-791.6	409.9	380.0	29.94	13.690	
5,300.0	5,175.1	5,154.7	5,153.8	22.8	10.2	-127.74	-160.9	-789.2	423.1	393.0	30.13	14.040	
5,314.9	5,189.5	5,169.1	5,168.2	22.9	10.2	-128.19	-160.7	-788.7	425.5	395.4	30.17	14.106	
5,400.0	5,271.8	5,250.8	5,249.9	23.4	10.4	-130.66	-160.0	-786.4	439.9	409.6	30.35	14.495	
5,413.4	5,284.7	5,263.7	5,262.8	23.5	10.4	-131.04	-159.9	-786.1	442.3	411.9	30.38	14.558	
5,500.0	5,368.5	5,347.1	5,346.2	23.9	10.6	-133.35	-159.1	-783.9	457.8	427.3	30.57	14.978	
5,511.8	5,379.9	5,358.5	5,357.5	24.0	10.6	-133.65	-159.1	-783.6	460.0	429.4	30.59	15.037	
5,600.0	5,465.2	5,443.5	5,442.5	24.5	10.8	-135.81	-158.4	-781.6	476.6	445.8	30.78	15.482	
5,610.2	5,475.1	5,453.4	5,452.4	24.5	10.8	-136.05	-158.3	-781.4	478.6	447.8	30.81	15.535	
5,647.2	5,510.9	5,489.0	5,488.0	24.7	10.9	-136.90	-158.1	-780.6	485.7	454.9	30.89	15.725	
5,700.0	5,562.1	5,539.7	5,538.7	25.0	11.0	-138.16	-157.8	-779.5	495.8	464.8	30.98	16.002	
5,708.6	5,570.5	5,548.0	5,547.0	25.0	11.0	-138.35	-157.7	-779.4	497.4	466.4	30.99	16.049	
5,800.0	5,659.6	5,636.1	5,635.1	25.3	11.2	-140.20	-157.3	-777.6	513.4	482.3	31.13	16.492	
5,807.1	5,666.6	5,643.0	5,641.9	25.4	11.2	-140.33	-157.3	-777.4	514.6	483.5	31.14	16.524	
5,900.0	5,757.9	5,733.3	5,732.2	25.7	11.4	-141.83	-157.1	-775.6	529.0	497.7	31.31	16.895	
5,905.5	5,763.3	5,738.7	5,737.6	25.7	11.4	-141.91	-157.1	-775.5	529.8	498.5	31.32	16.915	
6,000.0	5,856.7	5,831.1	5,830.1	26.0	11.6	-143.12	-157.1	-773.8	542.2	510.7	31.51	17.208	
6,003.9	5,860.6	5,835.0	5,833.9	26.0	11.6	-143.16	-157.1	-773.7	542.7	511.2	31.52	17.219	
6,100.0	5,956.1	5,929.5	5,928.4	26.2	11.8	-144.09	-157.4	-771.9	553.0	521.2	31.73	17.429	
6,102.3	5,958.4	5,931.8	5,930.7	26.2	11.8	-144.11	-157.4	-771.9	553.2	521.5	31.73	17.433	
6,200.0	6,055.7	6,028.5	6,027.4	26.4	12.0	-144.77	-157.8	-770.1	561.1	529.2	31.96	17.558	
6,200.8	6,056.5	6,029.3	6,028.2	26.4	12.0	-144.78	-157.8	-770.1	561.2	529.2	31.96	17.558	
6,299.2	6,154.8	6,127.6	6,126.5	26.5	12.2	-145.20	-158.3	-768.4	566.4	534.2	32.20	17.592	
6,300.0	6,155.6	6,128.4	6,127.3	26.5	12.2	-145.20	-158.3	-768.4	566.5	534.3	32.20	17.592	
6,382.9	6,238.5	6,211.3	6,210.2	26.6	12.4	137.29	-158.7	-766.9	568.7	536.4	32.37	17.571	
6,397.6	6,253.2	6,226.1	6,225.0	26.6	12.4	137.28	-158.8	-766.6	569.0	536.6	32.42	17.552	
6,400.0	6,255.6	6,228.5	6,227.3	26.6	12.4	137.28	-158.8	-766.6	569.0	536.6	32.43	17.549	
6,412.9	6,268.5	6,241.4	6,240.2	26.6	12.4	137.26	-158.8	-766.4	569.2	536.7	32.47	17.532	
6,450.0	6,305.6	6,278.5	6,277.4	26.7	12.5	-43.06	-159.0	-765.7	569.1	536.6	32.52	17.499	
6,496.0	6,351.5	6,324.4	6,323.3	26.7	12.6	-43.48	-159.2	-764.9	567.0	534.6	32.42	17.490	
6,500.0	6,355.4	6,328.4	6,327.2	26.7	12.6	-43.54	-159.2	-764.8	566.7	534.3	32.40	17.489	
6,550.0	6,404.8	6,377.8	6,376.7	26.7	12.7	-44.40	-159.4	-764.0	561.8	529.7	32.14	17.479	
6,594.5	6,448.1	6,421.3	6,420.1	26.8	12.8	-45.51	-159.6	-763.2	555.5	523.7	31.81	17.463	
6,600.0	6,453.5	6,426.6	6,425.5	26.8	12.8	-45.67	-159.6	-763.1	554.5	522.8	31.76	17.461	
6,650.0	6,501.3	6,474.5	6,473.4	26.8	12.9	-47.36	-159.8	-762.2	545.0	513.8	31.27	17.428	
6,692.9	6,541.4	6,514.7	6,513.5	26.8	13.0	-49.15	-160.0	-761.5	535.3	504.4	30.81	17.374	
6,700.0	6,548.0	6,521.2	6,520.1	26.8	13.0	-49.48	-160.0	-761.4	533.5	502.8	30.73	17.363	
6,750.0	6,593.3	6,566.5	6,565.3	26.8	13.1	-52.05	-160.1	-760.5	520.2	490.0	30.16	17.246	
6,791.3	6,629.6	6,602.6	6,601.4	26.8	13.2	-54.53	-160.2	-759.8	508.1	478.4	29.73	17.090	
6,800.0	6,637.0	6,610.1	6,608.8	26.8	13.2	-55.08	-160.2	-759.7	505.4	475.8	29.64	17.051	
6,850.0	6,679.0	6,651.8	6,650.6	26.8	13.3	-58.56	-160.3	-758.8	489.7	460.4	29.23	16.750	
6,889.7	6,710.9	6,683.6	6,682.4	26.8	13.3	-61.61	-160.3	-758.1	476.7	447.6	29.03	16.420	
6,900.0	6,718.9	6,691.6	6,690.3	26.8	13.4	-62.44	-160.3	-757.9	473.3	444.3	28.99	16.325	
6,950.0	6,756.7	6,729.1	6,727.8	26.8	13.4	-66.62	-160.3	-757.0	457.0	428.0	28.96	15.780	
6,988.2	6,783.9	6,756.1	6,754.8	26.8	13.5	-69.95	-160.3	-756.3	444.9	415.9	29.08	15.301	
7,000.0	6,792.0	6,764.1	6,762.9	26.8	13.5	-71.00	-160.2	-756.1	441.3	412.2	29.13	15.150	
7,050.0	6,824.8	6,796.6	6,795.4	26.8	13.6	-75.39	-160.2	-755.3	427.2	397.7	29.47	14.498	
7,086.6	6,847.2	6,818.7	6,817.4	26.8	13.6	-78.51	-160.1	-754.7	418.2	388.4	29.79	14.042	
7,100.0	6,854.9	6,826.4	6,825.1	26.8	13.7	-79.62	-160.1	-754.5	415.3	385.4	29.90	13.893	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - HONEBEIN 13-7U - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 600-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	6,853.2	6,852.0	26.8	13.7	-83.49	-160.0	-753.8	406.7	376.3	30.35	13.398	
7,185.0	6,899.5	6,870.3	6,869.0	26.8	13.7	-85.90	-160.0	-753.3	403.0	372.3	30.67	13.140	
7,200.0	6,906.5	6,877.1	6,875.8	26.9	13.8	-86.83	-159.9	-753.1	402.0	371.3	30.79	13.057	
7,224.1	6,917.0	6,887.5	6,886.2	26.9	13.8	-88.21	-159.9	-752.9	401.5	370.5	31.00	12.952	
7,250.0	6,927.6	6,897.8	6,896.5	26.9	13.8	-89.51	-159.9	-752.6	402.2	371.0	31.20	12.889	
7,283.4	6,940.0	6,909.9	6,908.6	27.0	13.8	-90.87	-159.8	-752.2	405.1	373.7	31.47	12.875	
7,300.0	6,945.5	6,915.3	6,914.0	27.0	13.8	-91.41	-159.8	-752.1	407.5	375.9	31.59	12.900	
7,350.0	6,960.2	6,929.5	6,928.2	27.1	13.9	-92.46	-159.7	-751.6	418.2	386.3	31.97	13.081	
7,381.9	6,967.8	6,936.9	6,935.6	27.2	13.9	-92.66	-159.7	-751.4	427.9	395.6	32.23	13.276	
7,400.0	6,971.5	6,940.4	6,939.1	27.2	13.9	-92.60	-159.7	-751.3	434.3	401.9	32.37	13.417	
7,450.0	6,979.3	6,947.9	6,946.6	27.4	13.9	-91.80	-159.6	-751.1	455.2	422.4	32.76	13.894	
7,480.3	6,982.4	6,950.7	6,949.4	27.5	13.9	-90.85	-159.6	-751.0	470.0	437.0	32.99	14.247	
7,500.0	6,983.7	6,951.9	6,950.6	27.5	13.9	-90.03	-159.6	-751.0	480.5	447.3	33.12	14.508	
7,541.4	6,984.7	6,952.7	6,951.4	27.7	13.9	-87.83	-159.6	-750.9	504.2	470.8	33.33	15.126	
7,578.7	6,984.5	6,952.3	6,951.0	27.9	13.9	-87.77	-159.6	-751.0	527.4	493.7	33.70	15.652	
7,600.0	6,984.4	6,952.1	6,950.8	28.0	13.9	-87.74	-159.6	-751.0	541.3	507.4	33.90	15.967	
7,677.1	6,984.0	6,951.3	6,950.0	28.5	13.9	-87.63	-159.6	-751.0	595.6	560.9	34.71	17.160	
7,700.0	6,983.9	6,951.1	6,949.7	28.6	13.9	-87.59	-159.6	-751.0	612.6	577.6	34.94	17.530	
7,775.6	6,983.5	6,950.3	6,949.0	29.2	13.9	-87.49	-159.6	-751.0	671.3	635.5	35.80	18.752	
7,800.0	6,983.4	6,950.0	6,948.7	29.4	13.9	-87.45	-159.6	-751.0	691.0	654.9	36.07	19.154	
7,874.0	6,983.1	6,949.3	6,948.0	30.0	13.9	-87.34	-159.6	-751.0	752.3	715.3	36.99	20.335	
7,900.0	6,982.9	6,949.0	6,947.7	30.3	13.9	-87.31	-159.6	-751.1	774.3	737.0	37.32	20.750	
7,972.4	6,982.6	6,948.3	6,947.0	31.0	13.9	-87.20	-159.6	-751.1	837.0	798.7	38.29	21.862	
8,000.0	6,982.4	6,948.0	6,946.7	31.3	13.9	-87.16	-159.6	-751.1	861.3	822.6	38.66	22.281	
8,070.8	6,982.1	6,947.3	6,946.0	32.1	13.9	-87.06	-159.6	-751.1	924.4	884.8	39.66	23.309	
8,100.0	6,982.0	6,947.0	6,945.7	32.4	13.9	-87.02	-159.6	-751.1	950.8	910.7	40.07	23.725	
8,169.3	6,981.6	6,946.3	6,945.0	33.2	13.9	-86.92	-159.6	-751.1	1,013.9	972.8	41.10	24.667	
8,200.0	6,981.5	6,946.0	6,944.7	33.6	13.9	-86.88	-159.6	-751.1	1,042.2	1,000.6	41.56	25.075	
8,267.7	6,981.1	6,945.3	6,944.0	34.5	13.9	-86.78	-159.6	-751.2	1,104.9	1,062.3	42.61	25.932	
8,300.0	6,981.0	6,945.0	6,943.7	34.9	13.9	-86.74	-159.6	-751.2	1,135.0	1,091.9	43.11	26.331	
8,366.1	6,980.7	6,944.4	6,943.0	35.8	13.9	-86.64	-159.6	-751.2	1,197.1	1,152.9	44.16	27.107	
8,400.0	6,980.5	6,944.0	6,942.7	36.3	13.9	-86.60	-159.6	-751.2	1,229.0	1,184.3	44.70	27.495	
8,464.5	6,980.2	6,943.4	6,942.1	37.2	13.9	-86.51	-159.6	-751.2	1,290.1	1,244.4	45.76	28.197	
8,500.0	6,980.0	6,943.0	6,941.7	37.7	13.9	-86.46	-159.6	-751.2	1,323.9	1,277.5	46.33	28.572	
8,563.0	6,979.7	6,942.4	6,941.1	38.6	13.9	-86.37	-159.6	-751.3	1,384.0	1,336.6	47.39	29.206	
8,600.0	6,979.5	6,942.0	6,940.7	39.1	13.9	-86.32	-159.6	-751.3	1,419.4	1,371.4	48.00	29.568	
8,661.4	6,979.2	6,941.4	6,940.1	40.1	13.9	-86.23	-159.7	-751.3	1,478.4	1,429.3	49.05	30.141	
8,700.0	6,979.0	6,941.1	6,939.8	40.7	13.9	-86.18	-159.7	-751.3	1,515.6	1,465.9	49.71	30.491	
8,759.8	6,978.7	6,940.5	6,939.2	41.6	13.9	-86.09	-159.7	-751.3	1,573.3	1,522.6	50.74	31.008	
8,800.0	6,978.5	6,940.1	6,938.8	42.2	13.9	-86.04	-159.7	-751.3	1,612.2	1,560.7	51.43	31.345	
8,858.2	6,978.2	6,939.5	6,938.2	43.1	13.9	-85.96	-159.7	-751.3	1,668.6	1,616.2	52.45	31.813	
8,900.0	6,978.0	6,939.1	6,937.8	43.8	13.9	-85.90	-159.7	-751.4	1,709.2	1,656.0	53.18	32.138	
8,956.7	6,977.8	6,938.6	6,937.3	44.7	13.9	-85.82	-159.7	-751.4	1,764.3	1,710.1	54.18	32.561	
9,000.0	6,977.5	6,938.1	6,936.8	45.4	13.9	-85.76	-159.7	-751.4	1,806.5	1,751.5	54.95	32.875	
9,055.1	6,977.3	6,937.6	6,936.3	46.3	13.9	-85.69	-159.7	-751.4	1,860.2	1,804.3	55.93	33.258	
9,100.0	6,977.1	6,937.2	6,935.9	47.1	13.9	-85.62	-159.7	-751.4	1,904.1	1,847.4	56.74	33.561	
9,153.5	6,976.8	6,936.7	6,935.4	48.0	13.9	-85.55	-159.7	-751.4	1,956.4	1,898.7	57.70	33.907	
9,200.0	6,976.6	6,936.2	6,934.9	48.8	13.9	-85.49	-159.7	-751.4	2,001.9	1,943.4	58.54	34.200	
9,251.9	6,976.3	6,935.7	6,934.4	49.7	13.9	-85.42	-159.7	-751.5	2,052.8	1,993.4	59.48	34.514	
9,300.0	6,976.1	6,935.3	6,933.9	50.5	13.9	-85.35	-159.7	-751.5	2,100.0	2,039.6	60.35	34.797	
9,350.4	6,975.8	6,934.8	6,933.5	51.3	13.9	-85.28	-159.7	-751.5	2,149.4	2,088.2	61.27	35.082	
9,400.0	6,975.6	6,934.3	6,933.0	52.2	13.9	-85.21	-159.7	-751.5	2,198.2	2,136.0	62.17	35.355	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - HONEBEIN 13-7U - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 600-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,448.8	6,975.3	6,933.8	6,932.5	53.1	13.9	-85.15	-159.7	-751.5	2,246.2	2,183.1	63.07	35.614	
9,500.0	6,975.1	6,933.3	6,932.0	54.0	13.9	-85.08	-159.7	-751.5	2,296.6	2,232.5	64.01	35.879	
9,547.2	6,974.9	6,932.9	6,931.6	54.8	13.9	-85.02	-159.7	-751.5	2,343.1	2,278.2	64.88	36.114	
9,600.0	6,974.6	6,932.4	6,931.1	55.7	13.9	-84.94	-159.7	-751.6	2,395.1	2,329.2	65.85	36.370	
9,645.6	6,974.4	6,932.0	6,930.7	56.5	13.9	-84.88	-159.7	-751.6	2,440.1	2,373.4	66.70	36.584	
9,700.0	6,974.1	6,931.5	6,930.1	57.5	13.9	-84.81	-159.7	-751.6	2,493.7	2,426.0	67.70	36.832	
9,744.1	6,973.9	6,931.0	6,929.7	58.3	13.9	-84.75	-159.7	-751.6	2,537.2	2,468.7	68.52	37.027	
9,800.0	6,973.6	6,930.5	6,929.2	59.3	13.9	-84.68	-159.7	-751.6	2,592.4	2,522.8	69.56	37.268	
9,842.5	6,973.4	6,930.1	6,928.8	60.0	13.9	-84.62	-159.7	-751.6	2,634.4	2,564.0	70.35	37.445	
9,900.0	6,973.1	6,929.6	6,928.3	61.1	13.9	-84.54	-159.7	-751.6	2,691.2	2,619.8	71.43	37.679	
9,940.9	6,972.9	6,929.2	6,927.9	61.8	13.9	-84.49	-159.7	-751.6	2,731.7	2,659.5	72.19	37.840	
10,000.0	6,972.6	6,928.6	6,927.3	62.9	13.9	-84.41	-159.7	-751.7	2,790.1	2,716.8	73.30	38.067	
10,039.3	6,972.4	6,928.3	6,927.0	63.6	13.9	-84.36	-159.7	-751.7	2,829.1	2,755.0	74.03	38.213	
10,100.0	6,972.1	6,927.7	6,926.4	64.7	13.9	-84.28	-159.7	-751.7	2,889.1	2,813.9	75.17	38.434	
10,137.8	6,972.0	6,927.4	6,926.1	65.4	13.9	-84.23	-159.7	-751.7	2,926.5	2,850.6	75.88	38.568	
10,200.0	6,971.6	6,926.8	6,925.5	66.6	13.9	-84.15	-159.7	-751.7	2,988.2	2,911.1	77.05	38.783	
10,236.2	6,971.5	6,926.5	6,925.1	67.2	13.9	-84.10	-159.7	-751.7	3,024.0	2,946.3	77.73	38.904	
10,300.0	6,971.2	6,925.9	6,924.6	68.4	13.9	-84.02	-159.7	-751.7	3,087.3	3,008.3	78.93	39.113	
10,334.6	6,971.0	6,925.5	6,924.2	69.0	13.9	-83.97	-159.7	-751.8	3,121.6	3,042.0	79.58	39.224	
10,400.0	6,970.7	6,924.9	6,923.6	70.2	13.9	-83.89	-159.7	-751.8	3,186.4	3,105.6	80.82	39.427	
10,433.0	6,970.5	6,924.6	6,923.3	70.9	13.9	-83.84	-159.7	-751.8	3,219.2	3,137.8	81.44	39.528	
10,500.0	6,970.2	6,924.0	6,922.7	72.1	13.9	-83.76	-159.7	-751.8	3,285.7	3,202.9	82.71	39.727	
10,531.5	6,970.0	6,923.7	6,922.4	72.7	13.9	-83.72	-159.7	-751.8	3,316.9	3,233.6	83.30	39.817	
10,600.0	6,969.7	6,923.1	6,921.8	74.0	13.9	-83.63	-159.7	-751.8	3,384.9	3,300.3	84.60	40.012	
10,629.9	6,969.5	6,922.8	6,921.5	74.5	13.9	-83.59	-159.7	-751.8	3,414.6	3,329.4	85.16	40.094	
10,700.0	6,969.2	6,922.2	6,920.9	75.8	13.9	-83.50	-159.7	-751.9	3,484.2	3,397.7	86.49	40.283	
10,728.3	6,969.0	6,921.9	6,920.6	76.4	13.9	-83.46	-159.7	-751.9	3,512.4	3,425.3	87.03	40.358	
10,800.0	6,968.7	6,921.3	6,920.0	77.7	13.9	-83.37	-159.8	-751.9	3,583.6	3,495.2	88.39	40.543	
10,826.7	6,968.6	6,921.1	6,919.8	78.2	13.9	-83.33	-159.8	-751.9	3,610.1	3,521.2	88.90	40.611	
10,900.0	6,968.2	6,920.4	6,919.1	79.6	13.9	-83.24	-159.8	-751.9	3,682.9	3,592.6	90.29	40.792	
10,925.2	6,968.1	6,920.2	6,918.9	80.1	13.9	-83.21	-159.8	-751.9	3,708.0	3,617.2	90.76	40.852	
11,000.0	6,967.7	6,919.5	6,918.2	81.5	13.8	-83.11	-159.8	-751.9	3,782.3	3,690.2	92.19	41.030	
11,023.6	6,967.6	6,919.3	6,918.0	81.9	13.8	-83.08	-159.8	-751.9	3,805.8	3,713.2	92.63	41.084	
11,100.0	6,967.2	6,918.6	6,917.3	83.4	13.8	-82.99	-159.8	-752.0	3,881.8	3,787.7	94.09	41.258	
11,122.0	6,967.1	6,918.4	6,917.1	83.8	13.8	-82.96	-159.8	-752.0	3,903.7	3,809.2	94.51	41.306	
11,200.0	6,966.7	6,917.7	6,916.4	85.3	13.8	-82.86	-159.8	-752.0	3,981.3	3,885.3	95.99	41.476	
11,220.4	6,966.6	6,917.5	6,916.2	85.7	13.8	-82.83	-159.8	-752.0	4,001.6	3,905.2	96.38	41.520	
11,300.0	6,966.2	6,916.8	6,915.5	87.2	13.8	-82.73	-159.8	-752.0	4,080.7	3,982.9	97.89	41.686	
11,318.9	6,966.1	6,916.6	6,915.3	87.5	13.8	-82.71	-159.8	-752.0	4,099.5	4,001.3	98.25	41.725	
11,400.0	6,965.7	6,915.9	6,914.6	89.1	13.8	-82.61	-159.8	-752.0	4,180.3	4,080.5	99.80	41.888	
11,417.3	6,965.6	6,915.8	6,914.5	89.4	13.8	-82.59	-159.8	-752.0	4,197.5	4,097.4	100.12	41.923	
11,500.0	6,965.2	6,915.0	6,913.7	91.0	13.8	-82.48	-159.8	-752.1	4,279.8	4,178.1	101.70	42.083	
11,515.7	6,965.2	6,914.9	6,913.6	91.3	13.8	-82.46	-159.8	-752.1	4,295.5	4,193.5	102.00	42.113	
11,600.0	6,964.7	6,914.2	6,912.9	92.9	13.8	-82.36	-159.8	-752.1	4,379.4	4,275.8	103.60	42.270	
11,614.1	6,964.7	6,914.0	6,912.7	93.2	13.8	-82.34	-159.8	-752.1	4,393.5	4,289.6	103.87	42.296	
11,700.0	6,964.3	6,913.3	6,912.0	94.8	13.8	-82.23	-159.8	-752.1	4,478.9	4,373.4	105.51	42.450	
11,712.6	6,964.2	6,913.2	6,911.9	95.1	13.8	-82.22	-159.8	-752.1	4,491.5	4,385.7	105.75	42.473	
11,800.0	6,963.8	6,912.4	6,911.1	96.7	13.8	-82.11	-159.8	-752.1	4,578.5	4,471.1	107.42	42.625	
11,811.0	6,963.7	6,912.3	6,911.0	97.0	13.8	-82.10	-159.8	-752.1	4,589.5	4,481.9	107.63	42.643	
11,900.0	6,963.3	6,911.5	6,910.2	98.7	13.8	-81.99	-159.8	-752.2	4,678.2	4,568.8	109.32	42.793	
11,909.4	6,963.2	6,911.5	6,910.2	98.9	13.8	-81.98	-159.8	-752.2	4,687.5	4,578.0	109.50	42.808	
12,000.0	6,962.8	6,910.7	6,909.4	100.6	13.8	-81.86	-159.8	-752.2	4,777.8	4,666.6	111.23	42.955	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 600-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,007.8	6,962.7	6,910.6	6,909.3	100.7	13.8	-81.86	-159.8	-752.2	4,785.6	4,674.2	111.38	42.968	
12,100.0	6,962.3	6,909.8	6,908.5	102.5	13.8	-81.74	-159.8	-752.2	4,877.4	4,764.3	113.13	43.112	
12,106.3	6,962.2	6,909.8	6,908.5	102.6	13.8	-81.73	-159.8	-752.2	4,883.7	4,770.4	113.25	43.122	
12,200.0	6,961.8	6,908.9	6,907.6	104.5	13.8	-81.62	-159.8	-752.2	4,977.1	4,862.1	115.04	43.264	
12,204.7	6,961.8	6,908.9	6,907.6	104.5	13.8	-81.62	-159.8	-752.2	4,981.8	4,866.6	115.13	43.271	
12,300.0	6,961.3	6,908.1	6,906.8	106.4	13.8	-81.50	-159.8	-752.3	5,076.8	4,959.8	116.94	43.412	
12,303.1	6,961.3	6,908.1	6,906.8	106.4	13.8	-81.50	-159.8	-752.3	5,079.9	4,962.9	117.00	43.416	
12,400.0	6,960.8	6,907.2	6,905.9	108.3	13.8	-81.38	-159.8	-752.3	5,176.4	5,057.6	118.85	43.554	
12,401.5	6,960.8	6,907.2	6,905.9	108.3	13.8	-81.38	-159.8	-752.3	5,178.0	5,059.1	118.88	43.557	
12,500.0	6,960.3	6,906.4	6,905.1	110.3	13.8	-81.26	-159.8	-752.3	5,276.1	5,155.4	120.76	43.693	
12,598.4	6,959.8	6,905.5	6,904.2	112.2	13.8	-81.14	-159.8	-752.3	5,374.3	5,251.6	122.63	43.825	
12,600.0	6,959.8	6,905.5	6,904.2	112.2	13.8	-81.14	-159.8	-752.3	5,375.9	5,253.2	122.66	43.827	
12,696.8	6,959.3	6,904.7	6,903.4	114.1	13.8	-81.02	-159.8	-752.4	5,472.4	5,347.9	124.50	43.954	
12,700.0	6,959.3	6,904.7	6,903.4	114.1	13.8	-81.02	-159.8	-752.4	5,475.6	5,351.0	124.56	43.958	
12,795.2	6,958.8	6,903.9	6,902.6	116.0	13.8	-80.91	-159.8	-752.4	5,570.6	5,444.2	126.38	44.079	
12,800.0	6,958.8	6,903.8	6,902.5	116.1	13.8	-80.90	-159.8	-752.4	5,575.3	5,448.8	126.47	44.085	
12,893.7	6,958.3	6,903.1	6,901.8	117.9	13.8	-80.79	-159.8	-752.4	5,668.7	5,540.5	128.25	44.200	
12,900.0	6,958.3	6,903.0	6,901.7	118.0	13.8	-80.78	-159.8	-752.4	5,675.0	5,546.7	128.37	44.208	
12,992.1	6,957.9	6,902.2	6,900.9	119.8	13.8	-80.67	-159.8	-752.4	5,766.9	5,636.8	130.12	44.319	
13,000.0	6,957.8	6,902.2	6,900.9	120.0	13.8	-80.66	-159.8	-752.4	5,774.8	5,644.5	130.27	44.328	
13,090.5	6,957.4	6,901.4	6,900.1	121.7	13.8	-80.56	-159.8	-752.5	5,865.1	5,733.1	132.00	44.434	
13,100.0	6,957.3	6,901.3	6,900.0	121.9	13.8	-80.55	-159.8	-752.5	5,874.5	5,742.4	132.18	44.445	
13,188.9	6,956.9	6,900.6	6,899.3	123.6	13.8	-80.44	-159.8	-752.5	5,963.3	5,829.4	133.87	44.546	
13,200.0	6,956.8	6,900.5	6,899.2	123.9	13.8	-80.43	-159.8	-752.5	5,974.3	5,840.2	134.08	44.559	
13,287.4	6,956.4	6,899.8	6,898.5	125.6	13.8	-80.33	-159.9	-752.5	6,061.5	5,925.7	135.74	44.656	
13,300.0	6,956.3	6,899.7	6,898.4	125.8	13.8	-80.31	-159.9	-752.5	6,074.1	5,938.1	135.98	44.670	
13,385.8	6,955.9	6,899.0	6,897.7	127.5	13.8	-80.21	-159.9	-752.5	6,159.7	6,022.1	137.61	44.763	
13,400.0	6,955.8	6,898.8	6,897.6	127.8	13.8	-80.20	-159.9	-752.5	6,173.9	6,036.0	137.88	44.778	
13,484.2	6,955.4	6,898.2	6,896.9	129.4	13.8	-80.10	-159.9	-752.6	6,257.9	6,118.4	139.48	44.867	
13,500.0	6,955.3	6,898.0	6,896.7	129.7	13.8	-80.08	-159.9	-752.6	6,273.6	6,133.9	139.78	44.884	
13,582.6	6,954.9	6,897.3	6,896.1	131.3	13.8	-79.99	-159.9	-752.6	6,356.1	6,214.8	141.35	44.969	
13,600.0	6,954.8	6,897.2	6,895.9	131.7	13.8	-79.96	-159.9	-752.6	6,373.4	6,231.8	141.67	44.987	
13,681.1	6,954.4	6,896.5	6,895.2	133.2	13.8	-79.87	-159.9	-752.6	6,454.3	6,311.1	143.21	45.068	
13,700.0	6,954.3	6,896.4	6,895.1	133.6	13.8	-79.85	-159.9	-752.6	6,473.2	6,329.7	143.57	45.087	
13,779.5	6,953.9	6,895.7	6,894.4	135.2	13.8	-79.76	-159.9	-752.6	6,552.6	6,407.5	145.08	45.166	
13,800.0	6,953.8	6,895.6	6,894.3	135.6	13.8	-79.73	-159.9	-752.6	6,573.0	6,427.6	145.47	45.186	
13,877.9	6,953.5	6,894.9	6,893.6	137.1	13.8	-79.65	-159.9	-752.6	6,650.8	6,503.9	146.94	45.261	
13,900.0	6,953.3	6,894.8	6,893.5	137.5	13.8	-79.62	-159.9	-752.6	6,672.8	6,525.5	147.36	45.282	
13,976.3	6,953.0	6,894.1	6,892.9	139.0	13.8	-79.53	-159.9	-752.7	6,749.1	6,600.2	148.81	45.354	
14,000.0	6,952.8	6,894.0	6,892.7	139.5	13.8	-79.51	-159.9	-752.7	6,772.7	6,623.4	149.26	45.376	
14,074.8	6,952.5	6,893.3	6,892.1	140.9	13.8	-79.42	-159.9	-752.7	6,847.3	6,696.6	150.67	45.445	
14,100.0	6,952.4	6,893.1	6,891.9	141.4	13.8	-79.39	-159.9	-752.7	6,872.5	6,721.3	151.15	45.468	
14,170.4	6,952.0	6,892.6	6,891.3	142.8	13.8	-79.31	-159.9	-752.7	6,942.7	6,790.3	152.42	45.550	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	1.0	1.0	0.0	0.0	90.00	0.0	30.7	30.7				
98.4	98.4	99.4	99.4	0.1	0.1	90.00	0.0	30.7	30.7	30.5	0.19	159.666	
100.0	100.0	101.0	101.0	0.1	0.1	90.00	0.0	30.7	30.7	30.5	0.20	155.951	
196.8	196.8	197.8	197.8	0.3	0.3	90.00	0.0	30.7	30.7	30.0	0.63	48.527	
200.0	200.0	201.0	201.0	0.3	0.3	90.00	0.0	30.7	30.7	30.0	0.65	47.463	
295.3	295.3	296.3	296.3	0.5	0.5	90.00	0.0	30.7	30.7	29.6	1.07	28.545	
300.0	300.0	301.0	301.0	0.5	0.5	90.00	0.0	30.7	30.7	29.6	1.10	27.991	
393.7	393.7	394.7	394.7	0.8	0.8	90.00	0.0	30.7	30.7	29.2	1.52	20.219	
400.0	400.0	401.0	401.0	0.8	0.8	90.00	0.0	30.7	30.7	29.1	1.55	19.848	
492.1	492.1	493.1	493.1	1.0	1.0	90.00	0.0	30.7	30.7	28.7	1.96	15.653	
500.0	500.0	501.0	501.0	1.0	1.0	90.00	0.0	30.7	30.7	28.7	1.99	15.375	
590.5	590.5	591.5	591.5	1.2	1.2	90.00	0.0	30.7	30.7	28.3	2.40	12.770	
600.0	600.0	601.0	601.0	1.2	1.2	90.00	0.0	30.7	30.7	28.2	2.44	12.548	
689.0	689.0	690.0	690.0	1.4	1.4	90.00	0.0	30.7	30.7	27.8	2.84	10.783	
700.0	700.0	701.0	701.0	1.4	1.4	90.00	0.0	30.7	30.7	27.8	2.89	10.599	
787.4	787.4	788.4	788.4	1.6	1.6	90.00	0.0	30.7	30.7	27.4	3.29	9.332	
800.0	800.0	801.0	801.0	1.7	1.7	90.00	0.0	30.7	30.7	27.3	3.34	9.174	
885.8	885.8	886.8	886.8	1.9	1.9	90.00	0.0	30.7	30.7	26.9	3.73	8.225	
900.0	900.0	901.0	901.0	1.9	1.9	90.00	0.0	30.7	30.7	26.9	3.79	8.086	
984.2	984.2	985.2	985.2	2.1	2.1	90.00	0.0	30.7	30.7	26.5	4.17	7.352	
1,000.0	1,000.0	1,001.0	1,001.0	2.1	2.1	90.00	0.0	30.7	30.7	26.4	4.24	7.230 CC	
1,082.7	1,082.7	1,083.7	1,083.7	2.3	2.3	167.79	0.0	30.7	31.8	27.2	4.60	6.914	
1,100.0	1,100.0	1,101.0	1,101.0	2.3	2.3	168.00	0.0	30.7	32.4	27.7	4.68	6.918	
1,181.1	1,181.0	1,183.0	1,183.0	2.5	2.5	168.84	0.3	29.5	35.1	30.1	5.02	6.997	
1,200.0	1,199.8	1,202.1	1,202.1	2.5	2.6	168.99	0.5	28.9	35.8	30.7	5.10	7.017	
1,279.5	1,279.1	1,282.6	1,282.5	2.7	2.7	169.43	1.6	25.1	38.5	33.0	5.42	7.095	
1,300.0	1,299.5	1,303.3	1,303.2	2.8	2.8	169.51	2.0	23.7	39.2	33.7	5.50	7.116	
1,377.9	1,376.9	1,382.3	1,381.9	3.0	3.0	169.67	3.8	17.3	41.8	36.0	5.82	7.180	
1,400.0	1,398.7	1,404.7	1,404.1	3.0	3.0	169.68	4.4	15.1	42.6	36.6	5.91	7.198	
1,476.4	1,474.2	1,482.2	1,481.0	3.2	3.2	169.62	6.9	6.2	45.2	38.9	6.23	7.249	
1,500.0	1,497.5	1,506.1	1,504.8	3.3	3.3	169.57	7.8	3.0	46.0	39.6	6.33	7.264	
1,574.8	1,571.0	1,582.1	1,579.8	3.5	3.5	169.34	11.0	-8.3	48.5	41.8	6.64	7.301	
1,600.0	1,595.6	1,607.7	1,605.1	3.6	3.5	169.24	12.2	-12.5	49.3	42.6	6.75	7.313	
1,673.2	1,667.0	1,682.2	1,678.2	3.9	3.8	168.89	16.1	-26.0	51.8	44.7	7.06	7.335	
1,700.0	1,693.1	1,709.3	1,704.7	4.0	3.9	168.74	17.6	-31.4	52.7	45.5	7.18	7.345	
1,735.7	1,727.6	1,744.9	1,739.6	4.1	4.0	168.61	19.6	-38.5	54.2	46.9	7.33	7.397	
1,771.6	1,762.4	1,780.8	1,774.7	4.3	4.1	168.55	21.7	-45.7	56.0	48.5	7.51	7.459	
1,800.0	1,789.8	1,809.1	1,802.4	4.4	4.2	168.50	23.3	-51.4	57.4	49.7	7.64	7.506	
1,870.1	1,857.6	1,879.1	1,870.8	4.7	4.5	168.38	27.2	-65.4	60.8	52.8	7.99	7.606	
1,900.0	1,886.6	1,909.0	1,900.1	4.8	4.6	168.34	28.9	-71.4	62.3	54.1	8.14	7.647	
1,968.5	1,952.8	1,977.4	1,967.0	5.2	4.8	168.24	32.8	-85.1	65.6	57.1	8.48	7.734	
2,000.0	1,983.3	2,008.9	1,997.8	5.3	5.0	168.20	34.6	-91.4	67.2	58.5	8.65	7.764	
2,066.9	2,048.0	2,075.7	2,063.2	5.6	5.2	168.12	38.4	-104.7	70.4	61.4	9.00	7.830	
2,100.0	2,080.0	2,108.8	2,095.5	5.8	5.3	168.08	40.3	-111.4	72.1	62.9	9.17	7.858	
2,165.3	2,143.2	2,174.1	2,159.3	6.1	5.6	168.01	44.0	-124.4	75.3	65.7	9.51	7.911	
2,200.0	2,176.7	2,208.7	2,193.2	6.3	5.8	167.98	45.9	-131.3	76.9	67.3	9.70	7.936	
2,263.8	2,238.4	2,272.4	2,255.5	6.6	6.0	167.92	49.6	-144.1	80.1	70.0	10.04	7.979	
2,300.0	2,273.4	2,308.5	2,290.9	6.8	6.2	167.89	51.6	-151.3	81.8	71.6	10.23	8.001	
2,362.2	2,333.6	2,370.7	2,351.6	7.1	6.4	167.84	55.1	-163.8	84.9	74.3	10.56	8.035	
2,400.0	2,370.2	2,408.4	2,388.6	7.3	6.6	167.81	57.3	-171.3	86.7	76.0	10.77	8.055	
2,460.6	2,428.8	2,469.0	2,447.8	7.6	6.8	167.76	60.7	-183.4	89.7	78.6	11.10	8.083	
2,500.0	2,466.9	2,508.3	2,486.3	7.8	7.0	167.73	62.9	-191.3	91.6	80.3	11.31	8.100	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,559.0	2,524.0	2,567.3	2,543.9	8.1	7.3	167.70	66.3	-203.1	94.5	82.9	11.64	8.123	
2,600.0	2,563.6	2,608.2	2,583.9	8.3	7.4	167.67	68.6	-211.3	96.5	84.7	11.86	8.138	
2,657.5	2,619.2	2,665.6	2,640.1	8.6	7.7	167.64	71.9	-222.8	99.3	87.2	12.18	8.157	
2,700.0	2,660.3	2,708.1	2,681.6	8.8	7.9	167.61	74.3	-231.3	101.4	89.0	12.41	8.170	
2,755.9	2,714.4	2,763.9	2,736.3	9.1	8.1	167.58	77.4	-242.4	104.1	91.4	12.72	8.185	
2,800.0	2,757.0	2,807.9	2,779.3	9.4	8.3	167.56	79.9	-251.2	106.3	93.3	12.97	8.197	
2,854.3	2,809.6	2,862.2	2,832.4	9.6	8.5	167.53	83.0	-262.1	109.0	95.7	13.27	8.210	
2,900.0	2,853.8	2,907.8	2,877.0	9.9	8.7	167.51	85.6	-271.2	111.2	97.7	13.53	8.220	
2,952.7	2,904.8	2,960.5	2,928.6	10.2	9.0	167.49	88.6	-281.8	113.8	100.0	13.82	8.231	
3,000.0	2,950.5	3,007.7	2,974.7	10.4	9.2	167.47	91.3	-291.2	116.1	102.0	14.09	8.240	
3,051.2	3,000.0	3,058.8	3,024.7	10.7	9.4	167.44	94.2	-301.4	118.6	104.2	14.38	8.249	
3,100.0	3,047.2	3,107.6	3,072.4	10.9	9.6	167.42	97.0	-311.2	121.0	106.3	14.65	8.258	
3,149.6	3,095.2	3,157.1	3,120.9	11.2	9.8	167.41	99.8	-321.1	123.4	108.5	14.93	8.265	
3,200.0	3,143.9	3,207.5	3,170.1	11.5	10.1	167.39	102.6	-331.2	125.9	110.7	15.22	8.272	
3,248.0	3,190.4	3,255.4	3,217.0	11.7	10.3	167.37	105.3	-340.8	128.2	112.7	15.49	8.279	
3,300.0	3,240.6	3,307.3	3,267.8	12.0	10.5	167.35	108.3	-351.2	130.8	115.0	15.78	8.285	
3,346.4	3,285.6	3,353.7	3,313.2	12.3	10.7	167.34	110.9	-360.5	133.0	117.0	16.05	8.291	
3,400.0	3,337.4	3,407.2	3,365.5	12.5	11.0	167.32	114.0	-371.2	135.7	119.3	16.35	8.296	
3,444.9	3,380.8	3,452.0	3,409.4	12.8	11.2	167.31	116.5	-380.1	137.9	121.3	16.61	8.301	
3,500.0	3,434.1	3,507.1	3,463.2	13.1	11.4	167.29	119.6	-391.1	140.6	123.6	16.92	8.306	
3,543.3	3,476.0	3,550.4	3,505.5	13.3	11.6	167.28	122.1	-399.8	142.7	125.5	17.17	8.310	
3,600.0	3,530.8	3,607.0	3,560.9	13.6	11.9	167.26	125.3	-411.1	145.5	128.0	17.49	8.314	
3,641.7	3,571.2	3,648.7	3,601.7	13.8	12.0	167.25	127.7	-419.5	147.5	129.8	17.73	8.317	
3,700.0	3,627.5	3,706.9	3,658.6	14.2	12.3	167.24	131.0	-431.1	150.3	132.3	18.07	8.322	
3,740.1	3,666.4	3,747.0	3,697.8	14.4	12.5	167.23	133.2	-439.1	152.3	134.0	18.30	8.324	
3,800.0	3,724.2	3,806.7	3,756.3	14.7	12.8	167.21	136.6	-451.1	155.2	136.6	18.64	8.328	
3,838.6	3,761.6	3,845.3	3,794.0	14.9	12.9	167.20	138.8	-458.8	157.1	138.3	18.86	8.330	
3,900.0	3,821.0	3,906.6	3,854.0	15.2	13.2	167.19	142.3	-471.1	160.1	140.9	19.22	8.333	
3,937.0	3,856.8	3,943.6	3,890.1	15.4	13.4	167.18	144.4	-478.5	161.9	142.5	19.43	8.335	
4,000.0	3,917.7	4,006.5	3,951.7	15.8	13.7	167.17	148.0	-491.1	165.0	145.2	19.79	8.338	
4,035.4	3,951.9	4,041.9	3,986.3	16.0	13.8	167.16	150.0	-498.2	166.8	146.8	20.00	8.340	
4,100.0	4,014.4	4,106.4	4,049.4	16.3	14.1	167.15	153.6	-511.1	169.9	149.6	20.37	8.343	
4,133.8	4,047.1	4,140.2	4,082.5	16.5	14.3	167.14	155.5	-517.8	171.6	151.0	20.56	8.344	
4,200.0	4,111.1	4,206.3	4,147.1	16.9	14.6	167.13	159.3	-531.0	174.8	153.9	20.95	8.346	
4,232.3	4,142.3	4,238.5	4,178.6	17.0	14.7	167.12	161.1	-537.5	176.4	155.3	21.13	8.347	
4,300.0	4,207.8	4,306.1	4,244.8	17.4	15.0	167.11	165.0	-551.0	179.7	158.2	21.52	8.349	
4,330.7	4,237.5	4,336.8	4,274.8	17.6	15.2	167.10	166.7	-557.2	181.2	159.5	21.70	8.350	
4,400.0	4,304.6	4,406.0	4,342.5	17.9	15.5	167.09	170.6	-571.0	184.6	162.5	22.10	8.352	
4,429.1	4,332.7	4,435.1	4,370.9	18.1	15.6	167.09	172.3	-576.8	186.0	163.8	22.27	8.353	
4,500.0	4,401.3	4,505.9	4,440.2	18.5	15.9	167.08	176.3	-591.0	189.5	166.8	22.68	8.355	
4,527.5	4,427.9	4,533.4	4,467.1	18.6	16.1	167.07	177.9	-596.5	190.8	168.0	22.84	8.355	
4,600.0	4,498.0	4,605.8	4,537.9	19.0	16.4	167.06	182.0	-611.0	194.4	171.1	23.26	8.357	
4,626.0	4,523.1	4,631.7	4,563.2	19.2	16.5	167.06	183.4	-616.2	195.7	172.3	23.41	8.357	
4,700.0	4,594.7	4,705.7	4,635.6	19.6	16.8	167.05	187.6	-631.0	199.3	175.4	23.84	8.359	
4,724.4	4,618.3	4,730.0	4,659.4	19.7	17.0	167.04	189.0	-635.8	200.5	176.5	23.98	8.359	
4,800.0	4,691.5	4,805.5	4,733.3	20.1	17.3	167.03	193.3	-651.0	204.2	179.8	24.42	8.360	
4,822.8	4,713.5	4,828.3	4,755.6	20.2	17.4	167.03	194.6	-655.5	205.3	180.7	24.56	8.360	
4,900.0	4,788.2	4,905.4	4,831.0	20.7	17.8	167.02	199.0	-670.9	209.1	184.1	25.00	8.361	
4,921.2	4,808.7	4,926.7	4,851.7	20.8	17.8	167.01	200.2	-675.2	210.1	185.0	25.13	8.362	
5,000.0	4,884.9	5,005.3	4,928.7	21.2	18.2	167.00	204.6	-690.9	214.0	188.4	25.59	8.363	
5,019.7	4,903.9	5,025.0	4,947.9	21.3	18.3	167.00	205.7	-694.9	214.9	189.2	25.70	8.363	
5,100.0	4,981.6	5,105.2	5,026.4	21.8	18.7	166.99	210.3	-710.9	218.9	192.7	26.17	8.364	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,118.1	4,999.1	5,123.3	5,044.0	21.8	18.7	166.99	211.3	-714.5	219.7	193.5	26.27	8.364	
5,200.0	5,078.3	5,205.1	5,124.0	22.3	19.1	166.98	216.0	-730.9	223.8	197.0	26.75	8.364	
5,216.5	5,094.3	5,221.6	5,140.2	22.4	19.2	166.98	216.9	-734.2	224.6	197.7	26.85	8.365	
5,300.0	5,175.1	5,305.0	5,221.7	22.8	19.6	166.97	221.6	-750.9	228.6	201.3	27.33	8.365	
5,314.9	5,189.5	5,319.9	5,236.3	22.9	19.6	166.97	222.5	-753.9	229.4	202.0	27.42	8.365	
5,400.0	5,271.8	5,404.8	5,319.4	23.4	20.0	166.96	227.3	-770.9	233.5	205.6	27.92	8.366	
5,413.4	5,284.7	5,418.2	5,332.5	23.5	20.1	166.96	228.1	-773.5	234.2	206.2	28.00	8.366	
5,500.0	5,368.5	5,504.7	5,417.1	23.9	20.5	166.95	233.0	-790.9	238.4	209.9	28.50	8.366	
5,511.8	5,379.9	5,516.5	5,428.7	24.0	20.5	166.95	233.6	-793.2	239.0	210.4	28.57	8.366	
5,600.0	5,465.2	5,604.6	5,514.8	24.5	20.9	166.94	238.6	-810.8	243.3	214.2	29.08	8.366	
5,610.2	5,475.1	5,614.8	5,524.8	24.5	21.0	166.94	239.2	-812.9	243.8	214.7	29.14	8.366	
5,647.2	5,510.9	5,651.7	5,560.9	24.7	21.2	166.93	241.3	-820.3	245.6	216.3	29.36	8.367	
5,700.0	5,562.1	5,704.5	5,612.5	25.0	21.4	166.91	244.3	-830.8	247.8	218.1	29.68	8.346	
5,708.6	5,570.5	5,713.1	5,621.0	25.0	21.4	166.90	244.8	-832.6	248.0	218.3	29.73	8.341	
5,800.0	5,659.6	5,800.0	5,706.1	25.3	21.8	166.79	249.5	-849.1	250.0	219.8	30.23	8.271	
5,807.1	5,666.6	5,805.2	5,711.2	25.4	21.8	166.79	249.8	-850.0	250.2	219.9	30.26	8.268	
5,900.0	5,757.9	5,890.9	5,795.7	25.7	22.1	166.70	253.7	-863.8	251.9	221.2	30.68	8.211	
5,905.5	5,763.3	5,896.0	5,800.7	25.7	22.1	166.69	253.9	-864.5	252.0	221.3	30.70	8.207	
6,000.0	5,856.7	5,983.1	5,887.1	26.0	22.3	166.62	257.1	-875.9	253.5	222.4	31.08	8.156	
6,003.9	5,860.6	5,986.7	5,890.6	26.0	22.3	166.62	257.2	-876.3	253.5	222.4	31.09	8.154	
6,100.0	5,956.1	6,075.2	5,978.7	26.2	22.5	166.56	259.7	-885.2	254.7	223.3	31.41	8.109	
6,102.3	5,958.4	6,077.4	5,980.9	26.2	22.5	166.56	259.8	-885.4	254.8	223.3	31.42	8.108	
6,200.0	6,055.7	6,167.4	6,070.6	26.4	22.7	166.53	261.5	-891.6	255.7	224.0	31.69	8.068	
6,200.8	6,056.5	6,168.1	6,071.3	26.4	22.7	166.53	261.6	-891.7	255.7	224.0	31.69	8.068	
6,299.2	6,154.8	6,258.7	6,161.9	26.5	22.8	166.52	262.6	-895.2	256.3	224.4	31.91	8.034	
6,300.0	6,155.6	6,259.5	6,162.6	26.5	22.8	166.52	262.6	-895.2	256.3	224.4	31.91	8.033	
6,382.9	6,238.5	6,336.4	6,239.5	26.6	22.9	89.20	262.8	-896.0	256.6	224.5	32.09	7.996	
6,397.6	6,253.2	6,351.1	6,254.2	26.6	22.9	89.20	262.8	-896.0	256.6	224.5	32.14	7.984	
6,400.0	6,255.6	6,353.5	6,256.6	26.6	22.9	89.20	262.8	-896.0	256.6	224.5	32.15	7.982	
6,412.9	6,268.5	6,366.4	6,269.5	26.6	22.9	89.20	262.8	-896.0	256.6	224.4	32.19	7.971	
6,450.0	6,305.6	6,403.5	6,306.6	26.7	23.0	-91.23	262.8	-896.0	256.6	224.3	32.31	7.941	
6,496.0	6,351.5	6,449.3	6,352.5	26.7	23.1	-92.08	262.8	-896.0	256.7	224.1	32.62	7.870	
6,500.0	6,355.4	6,453.3	6,356.4	26.7	23.1	-92.18	262.8	-896.0	256.7	224.1	32.65	7.863	
6,550.0	6,404.8	6,503.9	6,407.0	26.7	23.1	-93.46	260.7	-896.0	257.0	224.0	33.04	7.779	
6,594.5	6,448.1	6,549.2	6,452.0	26.8	23.1	-94.58	255.9	-896.1	257.4	224.0	33.35	7.717	
6,600.0	6,453.5	6,554.9	6,457.6	26.8	23.2	-94.72	255.0	-896.1	257.4	224.1	33.39	7.710	
6,650.0	6,501.3	6,606.3	6,508.2	26.8	23.2	-95.96	245.7	-896.1	258.0	224.3	33.69	7.657	
6,692.9	6,541.4	6,650.7	6,551.2	26.8	23.2	-97.00	234.7	-896.1	258.5	224.6	33.90	7.625	
6,700.0	6,548.0	6,658.1	6,558.3	26.8	23.2	-97.17	232.6	-896.1	258.6	224.7	33.93	7.621	
6,750.0	6,593.3	6,710.4	6,607.8	26.8	23.2	-98.35	215.8	-896.2	259.3	225.2	34.12	7.601	
6,791.3	6,629.6	6,753.9	6,648.0	26.8	23.2	-99.29	199.0	-896.3	260.0	225.8	34.22	7.598	
6,800.0	6,637.0	6,763.1	6,656.3	26.8	23.2	-99.48	195.2	-896.3	260.1	225.9	34.24	7.598	
6,850.0	6,679.0	6,816.2	6,703.5	26.8	23.2	-100.56	170.9	-896.4	261.0	226.7	34.30	7.610	
6,889.7	6,710.9	6,858.8	6,740.0	26.8	23.2	-101.39	148.9	-896.4	261.8	227.4	34.31	7.628	
6,900.0	6,718.9	6,869.8	6,749.2	26.8	23.2	-101.59	142.9	-896.5	261.9	227.6	34.31	7.634	
6,950.0	6,756.7	6,923.7	6,792.9	26.8	23.2	-102.56	111.4	-896.6	262.9	228.6	34.29	7.667	
6,988.2	6,783.9	6,965.2	6,824.9	26.8	23.2	-103.25	84.9	-896.7	263.6	229.4	34.26	7.695	
7,000.0	6,792.0	6,978.1	6,834.5	26.8	23.2	-103.46	76.4	-896.7	263.8	229.6	34.25	7.704	
7,050.0	6,824.8	7,032.8	6,873.5	26.8	23.2	-104.28	38.0	-896.9	264.8	230.6	34.22	7.738	
7,086.6	6,847.2	7,073.0	6,900.3	26.8	23.2	-104.84	8.0	-897.0	265.5	231.2	34.21	7.760	
7,100.0	6,854.9	7,087.8	6,909.7	26.8	23.2	-105.04	-3.4	-897.0	265.7	231.5	34.22	7.765	
7,150.0	6,882.2	7,143.2	6,942.8	26.8	23.2	-105.71	-47.8	-897.2	266.5	232.3	34.28	7.775	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWDD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,185.0	6,899.5	7,182.1	6,964.0	26.8	23.3	-106.13	-80.5	-897.3	267.1	232.7	34.41	7.763	
7,200.0	6,906.5	7,198.8	6,972.5	26.9	23.3	-106.30	-94.8	-897.3	267.3	232.9	34.45	7.761	
7,250.0	6,927.6	7,254.7	6,998.5	26.9	23.3	-106.80	-144.3	-897.5	268.0	233.3	34.73	7.718	
7,283.4	6,940.0	7,292.3	7,013.8	27.0	23.4	-107.09	-178.5	-897.6	268.4	233.4	35.00	7.669	
7,300.0	6,945.5	7,310.8	7,020.8	27.0	23.4	-107.21	-195.8	-897.7	268.6	233.4	35.15	7.641	
7,350.0	6,960.2	7,367.1	7,038.9	27.1	23.5	-107.54	-249.0	-897.9	269.1	233.3	35.74	7.529	
7,381.9	6,967.8	7,403.1	7,048.3	27.2	23.6	-107.70	-283.8	-898.0	269.3	233.1	36.20	7.439	
7,400.0	6,971.5	7,423.6	7,052.9	27.2	23.7	-107.77	-303.7	-898.1	269.4	232.9	36.49	7.382	
7,450.0	6,979.3	7,480.1	7,062.5	27.4	23.9	-107.91	-359.4	-898.3	269.6	232.2	37.42	7.206	
7,480.3	6,982.4	7,514.3	7,066.2	27.5	24.1	-107.95	-393.4	-898.4	269.7	231.6	38.06	7.085	
7,500.0	6,983.7	7,536.6	7,067.7	27.5	24.2	-107.95	-415.7	-898.5	269.7	231.2	38.50	7.004	
7,541.4	6,984.7	7,582.9	7,068.7	27.7	24.4	-107.92	-462.0	-898.7	269.6	230.1	39.51	6.825	
7,578.7	6,984.5	7,620.3	7,068.4	27.9	24.7	-107.91	-499.3	-898.8	269.6	229.4	40.24	6.701	
7,600.0	6,984.4	7,641.5	7,068.3	28.0	24.8	-107.90	-520.6	-898.9	269.6	229.0	40.65	6.632	
7,677.1	6,984.0	7,718.7	7,067.8	28.5	25.4	-107.88	-597.7	-899.2	269.6	227.4	42.22	6.385	
7,700.0	6,983.9	7,741.5	7,067.7	28.6	25.6	-107.88	-620.6	-899.3	269.6	226.9	42.70	6.313	
7,775.6	6,983.5	7,817.1	7,067.2	29.2	26.2	-107.86	-696.1	-899.5	269.5	225.2	44.38	6.073	
7,800.0	6,983.4	7,841.5	7,067.0	29.4	26.5	-107.85	-720.6	-899.6	269.5	224.6	44.96	5.995	
7,874.0	6,983.1	7,915.5	7,066.6	30.0	27.2	-107.83	-794.6	-899.9	269.5	222.7	46.80	5.759	
7,900.0	6,982.9	7,941.5	7,066.4	30.3	27.5	-107.82	-820.6	-900.0	269.5	222.0	47.46	5.679	
7,972.4	6,982.6	8,014.0	7,065.9	31.0	28.3	-107.80	-893.0	-900.3	269.5	220.1	49.37	5.458	
8,000.0	6,982.4	8,041.5	7,065.8	31.3	28.6	-107.79	-920.6	-900.4	269.4	219.3	50.11	5.377	
8,070.8	6,982.1	8,112.4	7,065.3	32.1	29.4	-107.77	-991.4	-900.6	269.4	217.3	52.07	5.174	
8,100.0	6,982.0	8,141.5	7,065.1	32.4	29.8	-107.76	-1,020.5	-900.7	269.4	216.5	52.89	5.093	
8,169.3	6,981.6	8,210.8	7,064.7	33.2	30.7	-107.74	-1,089.8	-901.0	269.4	214.5	54.90	4.907	
8,200.0	6,981.5	8,241.5	7,064.5	33.6	31.1	-107.74	-1,120.5	-901.1	269.4	213.6	55.79	4.828	
8,267.7	6,981.1	8,309.2	7,064.1	34.5	32.0	-107.72	-1,188.2	-901.3	269.3	211.5	57.82	4.658	
8,300.0	6,981.0	8,341.5	7,063.9	34.9	32.5	-107.71	-1,220.5	-901.5	269.3	210.5	58.79	4.581	
8,366.1	6,980.7	8,407.7	7,063.5	35.8	33.4	-107.69	-1,286.7	-901.7	269.3	208.5	60.82	4.427	
8,400.0	6,980.5	8,441.5	7,063.3	36.3	33.9	-107.68	-1,320.5	-901.8	269.3	207.4	61.87	4.352	
8,464.5	6,980.2	8,506.1	7,062.9	37.2	34.8	-107.66	-1,385.1	-902.1	269.2	205.3	63.90	4.213	
8,500.0	6,980.0	8,541.5	7,062.6	37.7	35.4	-107.65	-1,420.5	-902.2	269.2	204.2	65.03	4.140	
8,563.0	6,979.7	8,604.5	7,062.2	38.6	36.3	-107.63	-1,483.5	-902.4	269.2	202.2	67.05	4.015	
8,600.0	6,979.5	8,641.5	7,062.0	39.1	36.9	-107.62	-1,520.5	-902.6	269.2	201.0	68.24	3.945	
8,661.4	6,979.2	8,702.9	7,061.6	40.1	37.9	-107.61	-1,581.9	-902.8	269.2	198.9	70.24	3.832	
8,700.0	6,979.0	8,741.5	7,061.4	40.7	38.5	-107.60	-1,620.5	-902.9	269.2	197.6	71.51	3.764	
8,759.8	6,978.7	8,801.4	7,061.0	41.6	39.4	-107.58	-1,680.4	-903.2	269.1	195.6	73.49	3.662	
8,800.0	6,978.5	8,841.5	7,060.7	42.2	40.1	-107.57	-1,720.5	-903.3	269.1	194.3	74.83	3.596	
8,858.2	6,978.2	8,899.8	7,060.4	43.1	41.0	-107.55	-1,778.8	-903.5	269.1	192.3	76.78	3.505	
8,900.0	6,978.0	8,941.5	7,060.1	43.8	41.7	-107.54	-1,820.5	-903.7	269.1	190.9	78.18	3.441	
8,956.7	6,977.8	8,998.2	7,059.8	44.7	42.6	-107.52	-1,877.2	-903.9	269.0	188.9	80.10	3.359	
9,000.0	6,977.5	9,041.5	7,059.5	45.4	43.3	-107.51	-1,920.5	-904.0	269.0	187.5	81.58	3.298	
9,055.1	6,977.3	9,096.6	7,059.1	46.3	44.2	-107.50	-1,975.6	-904.2	269.0	185.5	83.46	3.223	
9,100.0	6,977.1	9,141.5	7,058.9	47.1	45.0	-107.48	-2,020.5	-904.4	269.0	184.0	85.00	3.164	
9,153.5	6,976.8	9,195.1	7,058.5	48.0	45.9	-107.47	-2,074.0	-904.6	269.0	182.1	86.85	3.097	
9,200.0	6,976.6	9,241.5	7,058.2	48.8	46.7	-107.46	-2,120.5	-904.8	268.9	180.5	88.45	3.040	
9,251.9	6,976.3	9,293.5	7,057.9	49.7	47.6	-107.44	-2,172.5	-905.0	268.9	178.7	90.26	2.979	
9,300.0	6,976.1	9,341.5	7,057.6	50.5	48.4	-107.43	-2,220.5	-905.1	268.9	177.0	91.93	2.925	
9,350.4	6,975.8	9,391.9	7,057.3	51.3	49.3	-107.41	-2,270.9	-905.3	268.9	175.2	93.69	2.870	
9,400.0	6,975.6	9,441.5	7,057.0	52.2	50.1	-107.40	-2,320.5	-905.5	268.9	173.4	95.43	2.817	
9,448.8	6,975.3	9,490.3	7,056.7	53.1	51.0	-107.39	-2,369.3	-905.7	268.8	171.7	97.15	2.767	
9,500.0	6,975.1	9,541.5	7,056.3	54.0	51.9	-107.37	-2,420.5	-905.9	268.8	169.9	98.95	2.717	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWDD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,547.2	6,974.9	9,588.8	7,056.1	54.8	52.7	-107.36	-2,467.7	-906.1	268.8	168.2	100.62	2.671	
9,600.0	6,974.6	9,641.5	7,055.7	55.7	53.6	-107.34	-2,520.5	-906.2	268.8	166.3	102.49	2.622	
9,645.6	6,974.4	9,687.2	7,055.4	56.5	54.4	-107.33	-2,566.2	-906.4	268.8	164.6	104.12	2.581	
9,700.0	6,974.1	9,741.5	7,055.1	57.5	55.4	-107.32	-2,620.5	-906.6	268.7	162.7	106.05	2.534	
9,744.1	6,973.9	9,785.6	7,054.8	58.3	56.2	-107.30	-2,664.6	-906.8	268.7	161.1	107.62	2.497	
9,800.0	6,973.6	9,841.5	7,054.5	59.3	57.1	-107.29	-2,720.5	-907.0	268.7	159.1	109.62	2.451	
9,842.5	6,973.4	9,884.0	7,054.2	60.0	57.9	-107.28	-2,763.0	-907.1	268.7	157.5	111.14	2.417	
9,900.0	6,973.1	9,941.5	7,053.8	61.1	58.9	-107.26	-2,820.5	-907.4	268.7	155.5	113.21	2.373	
9,940.9	6,972.9	9,982.5	7,053.6	61.8	59.7	-107.25	-2,861.4	-907.5	268.6	154.0	114.68	2.343	
10,000.0	6,972.6	10,041.5	7,053.2	62.9	60.7	-107.23	-2,920.5	-907.7	268.6	151.8	116.80	2.300	
10,039.3	6,972.4	10,080.9	7,053.0	63.6	61.4	-107.22	-2,959.8	-907.9	268.6	150.4	118.22	2.272	
10,100.0	6,972.1	10,141.5	7,052.6	64.7	62.5	-107.20	-3,020.5	-908.1	268.6	148.2	120.41	2.230	
10,137.8	6,972.0	10,179.3	7,052.3	65.4	63.2	-107.19	-3,058.3	-908.2	268.6	146.8	121.78	2.205	
10,200.0	6,971.6	10,241.5	7,052.0	66.6	64.3	-107.18	-3,120.5	-908.5	268.5	144.5	124.03	2.165	
10,236.2	6,971.5	10,277.7	7,051.7	67.2	65.0	-107.17	-3,156.7	-908.6	268.5	143.2	125.35	2.142	
10,300.0	6,971.2	10,341.5	7,051.3	68.4	66.1	-107.15	-3,220.5	-908.8	268.5	140.8	127.66	2.103	
10,334.6	6,971.0	10,376.2	7,051.1	69.0	66.8	-107.14	-3,255.1	-909.0	268.5	139.6	128.92	2.083	
10,400.0	6,970.7	10,441.5	7,050.7	70.2	67.9	-107.12	-3,320.5	-909.2	268.5	137.2	131.30	2.045	
10,433.0	6,970.5	10,474.6	7,050.5	70.9	68.6	-107.11	-3,353.5	-909.3	268.4	135.9	132.50	2.026	
10,500.0	6,970.2	10,541.5	7,050.1	72.1	69.8	-107.09	-3,420.5	-909.6	268.4	133.5	134.95	1.989	
10,531.5	6,970.0	10,573.0	7,049.9	72.7	70.3	-107.08	-3,452.0	-909.7	268.4	132.3	136.10	1.972	
10,600.0	6,969.7	10,641.5	7,049.4	74.0	71.6	-107.07	-3,520.5	-909.9	268.4	129.8	138.60	1.936	
10,629.9	6,969.5	10,671.4	7,049.2	74.5	72.1	-107.06	-3,550.4	-910.0	268.4	128.7	139.70	1.921	
10,700.0	6,969.2	10,741.5	7,048.8	75.8	73.4	-107.04	-3,620.5	-910.3	268.3	126.1	142.26	1.886	
10,728.3	6,969.0	10,769.9	7,048.6	76.4	74.0	-107.03	-3,648.8	-910.4	268.3	125.0	143.30	1.873	
10,800.0	6,968.7	10,841.5	7,048.2	77.7	75.3	-107.01	-3,720.5	-910.7	268.3	122.4	145.93	1.839	
10,826.7	6,968.6	10,868.3	7,048.0	78.2	75.8	-107.00	-3,747.2	-910.8	268.3	121.4	146.91	1.826	
10,900.0	6,968.2	10,941.5	7,047.6	79.6	77.1	-106.98	-3,820.5	-911.0	268.3	118.7	149.61	1.793	
10,925.2	6,968.1	10,966.7	7,047.4	80.1	77.6	-106.97	-3,845.7	-911.1	268.3	117.7	150.53	1.782	
11,000.0	6,967.7	11,041.5	7,046.9	81.5	79.0	-106.95	-3,920.5	-911.4	268.2	114.9	153.29	1.750	
11,023.6	6,967.6	11,065.1	7,046.8	81.9	79.4	-106.95	-3,944.1	-911.5	268.2	114.1	154.16	1.740	
11,100.0	6,967.2	11,141.5	7,046.3	83.4	80.8	-106.93	-4,020.5	-911.8	268.2	111.2	156.97	1.708	
11,122.0	6,967.1	11,163.6	7,046.2	83.8	81.2	-106.92	-4,042.5	-911.9	268.2	110.4	157.79	1.700	
11,200.0	6,966.7	11,241.5	7,045.7	85.3	82.7	-106.90	-4,120.5	-912.2	268.1	107.5	160.66	1.669	
11,220.4	6,966.6	11,262.0	7,045.5	85.7	83.0	-106.89	-4,140.9	-912.2	268.1	106.7	161.42	1.661	
11,300.0	6,966.2	11,341.5	7,045.0	87.2	84.5	-106.87	-4,220.5	-912.5	268.1	103.7	164.36	1.631	
11,318.9	6,966.1	11,360.4	7,044.9	87.5	84.9	-106.87	-4,239.3	-912.6	268.1	103.0	165.06	1.624	
11,400.0	6,965.7	11,441.5	7,044.4	89.1	86.4	-106.84	-4,320.5	-912.9	268.1	100.0	168.06	1.595	
11,417.3	6,965.6	11,458.8	7,044.3	89.4	86.7	-106.84	-4,337.8	-913.0	268.1	99.4	168.70	1.589	
11,500.0	6,965.2	11,541.5	7,043.8	91.0	88.2	-106.82	-4,420.5	-913.3	268.0	96.3	171.77	1.560	
11,515.7	6,965.2	11,557.3	7,043.7	91.3	88.5	-106.81	-4,436.2	-913.3	268.0	95.7	172.35	1.555	
11,600.0	6,964.7	11,641.5	7,043.2	92.9	90.1	-106.79	-4,520.5	-913.6	268.0	92.5	175.48	1.527	
11,614.1	6,964.7	11,655.7	7,043.1	93.2	90.4	-106.78	-4,534.6	-913.7	268.0	92.0	176.00	1.523	
11,700.0	6,964.3	11,741.5	7,042.5	94.8	92.0	-106.76	-4,620.5	-914.0	268.0	88.8	179.19	1.495 Level 3	
11,712.6	6,964.2	11,754.1	7,042.4	95.1	92.2	-106.76	-4,633.0	-914.1	268.0	88.3	179.66	1.491 Level 3	
11,800.0	6,963.8	11,841.5	7,041.9	96.7	93.8	-106.73	-4,720.5	-914.4	267.9	85.0	182.91	1.465 Level 3	
11,811.0	6,963.7	11,852.5	7,041.8	97.0	94.0	-106.73	-4,731.5	-914.4	267.9	84.6	183.32	1.461 Level 3	
11,900.0	6,963.3	11,941.5	7,041.3	98.7	95.7	-106.71	-4,820.5	-914.7	267.9	81.2	186.63	1.435 Level 3	
11,909.4	6,963.2	11,951.0	7,041.2	98.9	95.9	-106.70	-4,829.9	-914.8	267.9	80.9	186.98	1.433 Level 3	
12,000.0	6,962.8	12,041.5	7,040.6	100.6	97.6	-106.68	-4,920.5	-915.1	267.8	77.5	190.36	1.407 Level 3	
12,007.8	6,962.7	12,049.4	7,040.6	100.7	97.7	-106.68	-4,928.3	-915.1	267.8	77.2	190.65	1.405 Level 3	
12,100.0	6,962.3	12,141.5	7,040.0	102.5	99.4	-106.65	-5,020.4	-915.5	267.8	73.7	194.09	1.380 Level 3	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - HONEBEIN 7G-323 - ORIGINAL WELLBORE - PROPOSAL #2												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,106.3	6,962.2	12,147.8	7,040.0	102.6	99.5	-106.65	-5,026.7	-915.5	267.8	73.5	194.32	1.378	Level 3
12,200.0	6,961.8	12,241.5	7,039.4	104.5	101.3	-106.62	-5,120.4	-915.9	267.8	70.0	197.82	1.354	Level 3
12,204.7	6,961.8	12,246.2	7,039.3	104.5	101.4	-106.62	-5,125.1	-915.9	267.8	69.8	197.99	1.352	Level 3
12,300.0	6,961.3	12,341.5	7,038.8	106.4	103.2	-106.60	-5,220.4	-916.2	267.7	66.2	201.55	1.328	Level 3
12,303.1	6,961.3	12,344.7	7,038.7	106.4	103.2	-106.60	-5,223.6	-916.2	267.7	66.1	201.67	1.328	Level 3
12,400.0	6,960.8	12,441.5	7,038.1	108.3	105.1	-106.57	-5,320.4	-916.6	267.7	62.4	205.29	1.304	Level 3
12,401.5	6,960.8	12,443.1	7,038.1	108.3	105.1	-106.57	-5,322.0	-916.6	267.7	62.3	205.35	1.304	Level 3
12,500.0	6,960.3	12,541.5	7,037.5	110.3	106.9	-106.54	-5,420.4	-917.0	267.7	58.6	209.03	1.280	Level 3
12,598.4	6,959.8	12,639.9	7,036.9	112.2	108.8	-106.51	-5,518.8	-917.3	267.6	54.9	212.71	1.258	Level 3
12,600.0	6,959.8	12,641.5	7,036.9	112.2	108.8	-106.51	-5,520.4	-917.3	267.6	54.8	212.77	1.258	Level 3
12,696.8	6,959.3	12,738.4	7,036.3	114.1	110.6	-106.49	-5,617.3	-917.7	267.6	51.2	216.40	1.237	Level 2
12,700.0	6,959.3	12,741.5	7,036.2	114.1	110.7	-106.49	-5,620.4	-917.7	267.6	51.1	216.52	1.236	Level 2
12,795.2	6,958.8	12,836.8	7,035.6	116.0	112.5	-106.46	-5,715.7	-918.1	267.5	47.5	220.09	1.216	Level 2
12,800.0	6,958.8	12,841.5	7,035.6	116.1	112.6	-106.46	-5,720.4	-918.1	267.5	47.3	220.27	1.215	Level 2
12,893.7	6,958.3	12,935.2	7,035.0	117.9	114.4	-106.43	-5,814.1	-918.4	267.5	43.7	223.78	1.195	Level 2
12,900.0	6,958.3	12,941.5	7,035.0	118.0	114.5	-106.43	-5,820.4	-918.5	267.5	43.5	224.02	1.194	Level 2
12,992.1	6,957.9	13,033.6	7,034.4	119.8	116.2	-106.41	-5,912.5	-918.8	267.5	40.0	227.47	1.176	Level 2
13,000.0	6,957.8	13,041.5	7,034.3	120.0	116.4	-106.40	-5,920.4	-918.8	267.5	39.7	227.77	1.174	Level 2
13,090.5	6,957.4	13,132.1	7,033.8	121.7	118.1	-106.38	-6,010.9	-919.2	267.4	36.3	231.17	1.157	Level 2
13,100.0	6,957.3	13,141.5	7,033.7	121.9	118.2	-106.38	-6,020.4	-919.2	267.4	35.9	231.52	1.155	Level 2
13,188.9	6,956.9	13,230.5	7,033.2	123.6	119.9	-106.35	-6,109.4	-919.5	267.4	32.5	234.87	1.139	Level 2
13,200.0	6,956.8	13,241.5	7,033.1	123.9	120.1	-106.35	-6,120.4	-919.6	267.4	32.1	235.28	1.136	Level 2
13,287.4	6,956.4	13,328.9	7,032.5	125.6	121.8	-106.33	-6,207.8	-919.9	267.4	28.8	238.57	1.121	Level 2
13,300.0	6,956.3	13,341.5	7,032.5	125.8	122.0	-106.32	-6,220.4	-919.9	267.4	28.3	239.04	1.118	Level 2
13,385.8	6,955.9	13,427.3	7,031.9	127.5	123.6	-106.30	-6,306.2	-920.3	267.3	25.1	242.27	1.103	Level 2
13,400.0	6,955.8	13,441.5	7,031.8	127.8	123.9	-106.30	-6,320.4	-920.3	267.3	24.5	242.80	1.101	Level 2
13,484.2	6,955.4	13,525.8	7,031.3	129.4	125.5	-106.27	-6,404.6	-920.6	267.3	21.3	245.97	1.087	Level 2
13,500.0	6,955.3	13,541.5	7,031.2	129.7	125.8	-106.27	-6,420.4	-920.7	267.3	20.7	246.57	1.084	Level 2
13,582.6	6,954.9	13,624.2	7,030.7	131.3	127.4	-106.25	-6,503.1	-921.0	267.3	17.6	249.68	1.070	Level 2
13,600.0	6,954.8	13,641.5	7,030.6	131.7	127.7	-106.24	-6,520.4	-921.1	267.3	16.9	250.33	1.068	Level 2
13,681.1	6,954.4	13,722.6	7,030.1	133.2	129.2	-106.22	-6,601.5	-921.4	267.2	13.8	253.39	1.055	Level 2
13,700.0	6,954.3	13,741.5	7,029.9	133.6	129.6	-106.21	-6,620.4	-921.4	267.2	13.1	254.10	1.052	Level 2
13,779.5	6,953.9	13,821.0	7,029.4	135.2	131.1	-106.19	-6,699.9	-921.7	267.2	10.1	257.10	1.039	Level 2
13,800.0	6,953.8	13,841.5	7,029.3	135.6	131.5	-106.19	-6,720.4	-921.8	267.2	9.3	257.87	1.036	Level 2
13,877.9	6,953.5	13,919.5	7,028.8	137.1	133.0	-106.17	-6,798.3	-922.1	267.2	6.3	260.81	1.024	Level 2
13,900.0	6,953.3	13,941.5	7,028.7	137.5	133.4	-106.16	-6,820.4	-922.2	267.1	5.5	261.64	1.021	Level 2
13,976.3	6,953.0	14,017.9	7,028.2	139.0	134.8	-106.14	-6,896.8	-922.5	267.1	2.6	264.52	1.010	Level 2
14,000.0	6,952.8	14,041.5	7,028.1	139.5	135.3	-106.13	-6,920.4	-922.6	267.1	1.7	265.41	1.006	Level 2
14,074.8	6,952.5	14,116.3	7,027.6	140.9	136.7	-106.11	-6,995.2	-922.8	267.1	-1.2	268.24	0.996	Level 1
14,100.0	6,952.4	14,141.5	7,027.4	141.4	137.2	-106.10	-7,020.4	-922.9	267.1	-2.1	269.19	0.992	Level 1
14,148.8	6,952.1	14,190.3	7,027.1	142.3	138.1	-106.09	-7,069.2	-923.1	267.1	-3.9	270.99	0.985	Level 1
14,170.4	6,952.0	14,210.5	7,027.0	142.8	138.5	-106.09	-7,089.4	-923.2	267.1	-4.7	271.76	0.983	Level 1, ES, SF

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	4.0	4.0	0.0	0.0	90.00	0.0	119.9	119.9				
98.4	98.4	102.4	102.4	0.1	0.1	90.00	0.0	119.9	119.9	119.7	0.20	605.216	
100.0	100.0	104.0	104.0	0.1	0.1	90.00	0.0	119.9	119.9	119.7	0.20	589.417	
196.8	196.8	200.8	200.8	0.3	0.3	90.00	0.0	119.9	119.9	119.3	0.64	187.693	
200.0	200.0	204.0	204.0	0.3	0.3	90.00	0.0	119.9	119.9	119.2	0.65	183.622	
295.3	295.3	299.3	299.3	0.5	0.5	90.00	0.0	119.9	119.9	118.8	1.08	110.887	
300.0	300.0	304.0	304.0	0.5	0.6	90.00	0.0	119.9	119.9	118.8	1.10	108.751	
393.7	393.7	397.7	397.7	0.8	0.8	90.00	0.0	119.9	119.9	118.4	1.52	78.688	
400.0	400.0	404.0	404.0	0.8	0.8	90.00	0.0	119.9	119.9	118.3	1.55	77.252	
492.1	492.1	496.1	496.1	1.0	1.0	90.00	0.0	119.9	119.9	117.9	1.97	60.980	
500.0	500.0	504.0	504.0	1.0	1.0	90.00	0.0	119.9	119.9	117.9	2.00	59.902	
590.5	590.5	594.5	594.5	1.2	1.2	90.00	0.0	119.9	119.9	117.5	2.41	49.778	
600.0	600.0	604.0	604.0	1.2	1.2	90.00	0.0	119.9	119.9	117.4	2.45	48.915	
689.0	689.0	693.0	693.0	1.4	1.4	90.00	0.0	119.9	119.9	117.0	2.85	42.053	
700.0	700.0	704.0	704.0	1.4	1.5	90.00	0.0	119.9	119.9	117.0	2.90	41.335	
787.4	787.4	791.4	791.4	1.6	1.7	90.00	0.0	119.9	119.9	116.6	3.29	36.404	
800.0	800.0	804.0	804.0	1.7	1.7	90.00	0.0	119.9	119.9	116.5	3.35	35.788	
885.8	885.8	889.8	889.8	1.9	1.9	90.00	0.0	119.9	119.9	116.2	3.74	32.092	
900.0	900.0	904.0	904.0	1.9	1.9	90.00	0.0	119.9	119.9	116.1	3.80	31.554	
984.2	984.2	988.2	988.2	2.1	2.1	90.00	0.0	119.9	119.9	115.7	4.18	28.694	
1,000.0	1,000.0	1,004.0	1,004.0	2.1	2.1	90.00	0.0	119.9	119.9	115.6	4.25	28.216 CC, ES	
1,082.7	1,082.7	1,086.7	1,086.7	2.3	2.3	167.44	0.0	119.9	121.1	116.4	4.61	26.251	
1,100.0	1,100.0	1,104.0	1,104.0	2.3	2.4	167.50	0.0	119.9	121.6	116.9	4.69	25.944	
1,181.1	1,181.0	1,185.0	1,185.0	2.5	2.5	167.88	0.0	119.9	125.5	120.5	5.03	24.929	
1,200.0	1,199.8	1,203.7	1,203.7	2.5	2.6	167.99	0.0	119.9	126.7	121.6	5.11	24.782	
1,279.5	1,279.1	1,280.9	1,280.9	2.7	2.7	168.14	0.9	120.6	133.9	128.5	5.45	24.589	
1,300.0	1,299.5	1,300.0	1,300.0	2.8	2.8	168.09	1.4	120.9	136.3	130.8	5.53	24.652	
1,377.9	1,376.9	1,375.6	1,375.5	3.0	3.0	167.60	4.3	123.1	147.5	141.6	5.86	25.190	
1,400.0	1,398.7	1,396.7	1,396.6	3.0	3.0	167.40	5.4	123.9	151.2	145.3	5.95	25.436	
1,476.4	1,474.2	1,469.2	1,468.8	3.2	3.2	166.51	10.2	127.4	166.2	160.0	6.27	26.534	
1,500.0	1,497.5	1,491.4	1,490.9	3.3	3.2	166.19	11.9	128.7	171.5	165.1	6.36	26.955	
1,574.8	1,571.0	1,561.0	1,560.1	3.5	3.4	165.10	18.3	133.4	190.1	183.5	6.68	28.467	
1,600.0	1,595.6	1,584.3	1,583.1	3.6	3.4	164.72	20.7	135.2	197.1	190.3	6.79	29.048	
1,673.2	1,667.0	1,650.9	1,649.1	3.9	3.6	163.58	28.5	141.0	219.2	212.1	7.10	30.859	
1,700.0	1,693.1	1,675.0	1,672.8	4.0	3.7	163.16	31.6	143.3	227.9	220.7	7.22	31.583	
1,735.7	1,727.6	1,706.7	1,704.1	4.1	3.8	162.60	35.9	146.5	240.2	232.8	7.37	32.578	
1,771.6	1,762.4	1,738.5	1,735.3	4.3	3.9	162.12	40.6	149.9	253.0	245.5	7.55	33.518	
1,800.0	1,789.8	1,763.4	1,759.7	4.4	3.9	161.73	44.4	152.7	263.3	255.6	7.69	34.256	
1,870.1	1,857.6	1,825.9	1,821.0	4.7	4.1	160.74	54.7	160.3	289.4	281.4	8.04	35.984	
1,900.0	1,886.6	1,853.6	1,848.1	4.8	4.2	160.34	59.3	163.8	300.6	292.4	8.20	36.678	
1,968.5	1,952.8	1,916.9	1,910.0	5.2	4.4	159.52	69.9	171.6	326.4	317.8	8.55	38.153	
2,000.0	1,983.3	1,946.1	1,938.5	5.3	4.5	159.18	74.7	175.2	338.2	329.5	8.73	38.754	
2,066.9	2,048.0	2,008.0	1,999.0	5.6	4.7	158.54	85.1	182.9	363.4	354.3	9.09	39.981	
2,100.0	2,080.0	2,038.5	2,029.0	5.8	4.9	158.26	90.2	186.6	375.9	366.6	9.27	40.535	
2,165.3	2,143.2	2,099.0	2,088.1	6.1	5.1	157.75	100.3	194.1	400.6	390.9	9.64	41.564	
2,200.0	2,176.7	2,131.0	2,119.4	6.3	5.2	157.50	105.7	198.1	413.7	403.8	9.83	42.063	
2,263.8	2,238.4	2,190.0	2,177.1	6.6	5.4	157.09	115.5	205.4	437.8	427.6	10.20	42.930	
2,300.0	2,273.4	2,223.5	2,209.9	6.8	5.5	156.88	121.1	209.5	451.5	441.1	10.41	43.386	
2,362.2	2,333.6	2,281.0	2,266.1	7.1	5.8	156.54	130.7	216.6	475.0	464.3	10.77	44.118	
2,400.0	2,370.2	2,316.0	2,300.3	7.3	5.9	156.34	136.6	221.0	489.3	478.3	10.99	44.534	
2,460.6	2,428.8	2,372.0	2,355.1	7.6	6.1	156.06	145.9	227.9	512.3	500.9	11.35	45.154	
2,500.0	2,466.9	2,408.4	2,390.8	7.8	6.3	155.89	152.0	232.4	527.2	515.6	11.58	45.535	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,559.0	2,524.0	2,463.0	2,444.2	8.1	6.5	155.65	161.2	239.2	549.6	537.7	11.93	46.064	
2,600.0	2,563.6	2,500.9	2,481.2	8.3	6.6	155.49	167.5	243.8	565.1	552.9	12.18	46.413	
2,657.5	2,619.2	2,554.1	2,533.2	8.6	6.9	155.29	176.4	250.4	586.9	574.4	12.52	46.866	
2,700.0	2,660.3	2,593.4	2,571.7	8.8	7.0	155.15	182.9	255.3	603.0	590.3	12.78	47.185	
2,755.9	2,714.4	2,645.1	2,622.2	9.1	7.2	154.97	191.6	261.7	624.2	611.1	13.12	47.577	
2,800.0	2,757.0	2,685.9	2,662.1	9.4	7.4	154.84	198.4	266.7	641.0	627.6	13.39	47.870	
2,854.3	2,809.6	2,736.1	2,711.2	9.6	7.6	154.69	206.8	272.9	661.6	647.9	13.72	48.209	
2,900.0	2,853.8	2,778.3	2,752.6	9.9	7.8	154.57	213.9	278.2	678.9	664.9	14.00	48.480	
2,952.7	2,904.8	2,827.1	2,800.3	10.2	8.0	154.44	222.0	284.2	699.0	684.6	14.33	48.776	
3,000.0	2,950.5	2,873.9	2,846.0	10.4	8.2	154.33	229.8	290.0	716.9	702.2	14.63	49.011	
3,051.2	3,000.0	2,932.6	2,903.6	10.7	8.4	154.24	238.9	296.7	735.7	720.8	14.95	49.222	
3,100.0	3,047.2	2,989.3	2,959.5	10.9	8.5	154.22	246.7	302.5	753.1	737.8	15.24	49.399	
3,149.6	3,095.2	3,047.5	3,017.0	11.2	8.7	154.26	253.9	307.8	769.9	754.4	15.54	49.549	
3,200.0	3,143.9	3,107.3	3,076.3	11.5	8.9	154.37	260.2	312.5	786.4	770.5	15.84	49.659	
3,248.0	3,190.4	3,164.8	3,133.4	11.7	9.0	154.52	265.4	316.3	801.3	785.2	16.11	49.743	
3,300.0	3,240.6	3,227.5	3,195.9	12.0	9.2	154.75	270.0	319.7	816.8	800.4	16.40	49.800	
3,346.4	3,285.6	3,284.1	3,252.3	12.3	9.3	155.00	273.2	322.1	829.9	813.2	16.65	49.827	
3,400.0	3,337.4	3,349.8	3,317.9	12.5	9.4	155.34	275.8	324.0	844.2	827.2	16.94	49.841	
3,444.9	3,380.8	3,405.1	3,373.3	12.8	9.5	155.68	277.0	324.9	855.5	838.3	17.17	49.828	
3,500.0	3,434.1	3,470.0	3,438.1	13.1	9.6	156.11	277.4	325.2	868.6	851.2	17.44	49.812	
3,543.3	3,476.0	3,511.8	3,480.0	13.3	9.7	156.40	277.4	325.2	878.8	861.1	17.64	49.811	
3,600.0	3,530.8	3,566.7	3,534.8	13.6	9.8	156.77	277.4	325.2	892.0	874.1	17.91	49.796	
3,641.7	3,571.2	3,607.0	3,575.2	13.8	9.8	157.04	277.4	325.2	901.8	883.7	18.11	49.788	
3,700.0	3,627.5	3,663.4	3,631.5	14.2	9.9	157.40	277.4	325.2	915.5	897.2	18.39	49.778	
3,740.1	3,666.4	3,702.2	3,670.4	14.4	10.0	157.64	277.4	325.2	925.0	906.4	18.58	49.774	
3,800.0	3,724.2	3,760.1	3,728.2	14.7	10.1	157.99	277.4	325.2	939.2	920.3	18.87	49.769	
3,838.6	3,761.6	3,797.4	3,765.6	14.9	10.2	158.21	277.4	325.2	948.3	929.2	19.05	49.768	
3,900.0	3,821.0	3,856.8	3,825.0	15.2	10.3	158.55	277.4	325.2	962.9	943.5	19.35	49.767	
3,937.0	3,856.8	3,892.6	3,860.8	15.4	10.3	158.75	277.4	325.2	971.6	952.1	19.52	49.769	
4,000.0	3,917.7	3,953.6	3,921.7	15.8	10.4	159.09	277.4	325.2	986.6	966.8	19.82	49.772	
4,035.4	3,951.9	3,987.8	3,955.9	16.0	10.5	159.27	277.4	325.2	995.1	975.1	19.99	49.775	
4,100.0	4,014.4	4,050.3	4,018.4	16.3	10.6	159.60	277.4	325.2	1,010.5	990.2	20.30	49.781	
4,133.8	4,047.1	4,083.0	4,051.1	16.5	10.7	159.77	277.4	325.2	1,018.6	998.1	20.46	49.785	
4,200.0	4,111.1	4,147.0	4,115.1	16.9	10.8	160.09	277.4	325.2	1,034.4	1,013.7	20.77	49.795	
4,232.3	4,142.3	4,178.2	4,146.3	17.0	10.8	160.24	277.4	325.2	1,042.2	1,021.2	20.93	49.800	
4,300.0	4,207.8	4,243.7	4,211.8	17.4	11.0	160.56	277.4	325.2	1,058.4	1,037.2	21.25	49.811	
4,330.7	4,237.5	4,273.4	4,241.5	17.6	11.0	160.70	277.4	325.2	1,065.8	1,044.4	21.39	49.817	
4,400.0	4,304.6	4,340.4	4,308.6	17.9	11.1	161.00	277.4	325.2	1,082.5	1,060.8	21.72	49.831	
4,429.1	4,332.7	4,368.6	4,336.7	18.1	11.2	161.13	277.4	325.2	1,089.5	1,067.7	21.86	49.837	
4,500.0	4,401.3	4,437.2	4,405.3	18.5	11.3	161.43	277.4	325.2	1,106.6	1,084.4	22.20	49.852	
4,527.5	4,427.9	4,463.8	4,431.9	18.6	11.4	161.54	277.4	325.2	1,113.3	1,091.0	22.33	49.858	
4,600.0	4,498.0	4,533.9	4,502.0	19.0	11.5	161.84	277.4	325.2	1,130.8	1,108.1	22.67	49.875	
4,626.0	4,523.1	4,559.0	4,527.1	19.2	11.5	161.94	277.4	325.2	1,137.1	1,114.3	22.80	49.881	
4,700.0	4,594.7	4,630.6	4,598.7	19.6	11.7	162.23	277.4	325.2	1,155.1	1,131.9	23.15	49.900	
4,724.4	4,618.3	4,654.2	4,622.3	19.7	11.7	162.32	277.4	325.2	1,161.0	1,137.7	23.26	49.906	
4,800.0	4,691.5	4,727.3	4,695.5	20.1	11.9	162.61	277.4	325.2	1,179.3	1,155.7	23.62	49.925	
4,822.8	4,713.5	4,749.4	4,717.5	20.2	11.9	162.69	277.4	325.2	1,184.9	1,161.2	23.73	49.930	
4,900.0	4,788.2	4,824.0	4,792.2	20.7	12.0	162.97	277.4	325.2	1,203.7	1,179.6	24.10	49.950	
4,921.2	4,808.7	4,844.6	4,812.7	20.8	12.1	163.04	277.4	325.2	1,208.8	1,184.6	24.20	49.956	
5,000.0	4,884.9	4,920.8	4,888.9	21.2	12.2	163.31	277.4	325.2	1,228.0	1,203.5	24.57	49.977	
5,019.7	4,903.9	4,939.8	4,907.9	21.3	12.3	163.38	277.4	325.2	1,232.8	1,208.2	24.67	49.982	
5,100.0	4,981.6	5,017.5	4,985.6	21.8	12.4	163.64	277.4	325.2	1,252.5	1,227.4	25.05	50.003	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,118.1	4,999.1	5,035.0	5,003.1	21.8	12.4	163.70	277.4	325.2	1,256.9	1,231.7	25.13	50.007	
5,200.0	5,078.3	5,114.2	5,082.3	22.3	12.6	163.96	277.4	325.2	1,276.9	1,251.4	25.52	50.029	
5,216.5	5,094.3	5,130.2	5,098.3	22.4	12.6	164.02	277.4	325.2	1,281.0	1,255.4	25.60	50.033	
5,300.0	5,175.1	5,210.9	5,179.1	22.8	12.8	164.27	277.4	325.2	1,301.4	1,275.4	26.00	50.055	
5,314.9	5,189.5	5,225.4	5,193.5	22.9	12.8	164.32	277.4	325.2	1,305.1	1,279.0	26.07	50.059	
5,400.0	5,271.8	5,307.6	5,275.8	23.4	13.0	164.57	277.4	325.2	1,325.9	1,299.4	26.48	50.081	
5,413.4	5,284.7	5,320.6	5,288.7	23.5	13.0	164.61	277.4	325.2	1,329.2	1,302.7	26.54	50.084	
5,500.0	5,368.5	5,404.4	5,372.5	23.9	13.2	164.86	277.4	325.2	1,350.5	1,323.5	26.95	50.106	
5,511.8	5,379.9	5,415.8	5,383.9	24.0	13.2	164.89	277.4	325.2	1,353.4	1,326.4	27.01	50.109	
5,600.0	5,465.2	5,501.1	5,469.2	24.5	13.3	165.13	277.4	325.2	1,375.1	1,347.6	27.43	50.131	
5,610.2	5,475.1	5,511.0	5,479.1	24.5	13.4	165.16	277.4	325.2	1,377.6	1,350.1	27.48	50.134	
5,647.2	5,510.9	5,546.7	5,514.9	24.7	13.4	165.26	277.4	325.2	1,386.7	1,359.0	27.65	50.143	
5,700.0	5,562.1	5,597.9	5,566.1	25.0	13.5	165.46	277.4	325.2	1,399.2	1,371.3	27.95	50.062	
5,708.6	5,570.5	5,606.3	5,574.5	25.0	13.6	165.49	277.4	325.2	1,401.2	1,373.2	28.00	50.051	
5,800.0	5,659.6	5,695.5	5,663.6	25.3	13.7	165.79	277.4	325.2	1,420.5	1,392.0	28.46	49.903	
5,807.1	5,666.6	5,702.4	5,670.6	25.4	13.7	165.81	277.4	325.2	1,421.9	1,393.4	28.50	49.891	
5,900.0	5,757.9	5,793.8	5,761.9	25.7	13.9	166.06	277.4	325.2	1,438.4	1,409.5	28.95	49.694	
5,905.5	5,763.3	5,799.2	5,767.3	25.7	13.9	166.07	277.4	325.2	1,439.3	1,410.4	28.97	49.682	
6,000.0	5,856.7	5,892.6	5,860.7	26.0	14.1	166.27	277.4	325.2	1,453.1	1,423.7	29.39	49.438	
6,003.9	5,860.6	5,896.5	5,864.6	26.0	14.1	166.28	277.4	325.2	1,453.6	1,424.2	29.41	49.428	
6,100.0	5,956.1	5,991.9	5,960.1	26.2	14.3	166.43	277.4	325.2	1,464.3	1,434.5	29.80	49.137	
6,102.3	5,958.4	5,994.3	5,962.4	26.2	14.3	166.43	277.4	325.2	1,464.6	1,434.7	29.81	49.130	
6,200.0	6,055.7	6,091.6	6,059.7	26.4	14.5	166.54	277.4	325.2	1,472.2	1,442.1	30.17	48.793	
6,200.8	6,056.5	6,092.4	6,060.5	26.4	14.5	166.54	277.4	325.2	1,472.3	1,442.1	30.18	48.791	
6,299.2	6,154.8	6,190.7	6,158.8	26.5	14.7	166.60	277.4	325.2	1,476.7	1,446.2	30.50	48.410	
6,300.0	6,155.6	6,191.5	6,159.6	26.5	14.7	166.60	277.4	325.2	1,476.7	1,446.2	30.51	48.407	
6,382.9	6,238.5	6,274.4	6,242.5	26.6	14.9	89.29	277.4	325.2	1,477.9	1,447.1	30.78	48.023	
6,397.6	6,253.2	6,289.1	6,257.3	26.6	14.9	89.29	277.4	325.2	1,477.9	1,447.1	30.83	47.938	
6,400.0	6,255.6	6,291.6	6,259.7	26.6	14.9	89.29	277.4	325.2	1,477.9	1,447.1	30.84	47.925	
6,412.9	6,268.5	6,304.9	6,273.0	26.6	14.9	89.30	277.2	325.2	1,477.9	1,447.0	30.88	47.858	
6,450.0	6,305.6	6,343.2	6,311.3	26.7	15.0	-90.87	275.3	325.2	1,477.9	1,446.9	30.97	47.719	
6,496.0	6,351.5	6,390.7	6,358.5	26.7	15.0	-90.83	270.1	325.2	1,477.9	1,446.8	31.07	47.566	
6,500.0	6,355.4	6,394.8	6,362.5	26.7	15.1	-90.82	269.5	325.2	1,477.9	1,446.8	31.08	47.553	
6,550.0	6,404.8	6,446.3	6,413.1	26.7	15.1	-90.77	260.1	325.1	1,477.9	1,446.7	31.15	47.444	
6,594.5	6,448.1	6,491.9	6,457.3	26.8	15.1	-90.72	248.7	325.1	1,477.8	1,446.6	31.18	47.389	
6,600.0	6,453.5	6,497.6	6,462.8	26.8	15.1	-90.71	247.1	325.1	1,477.8	1,446.6	31.19	47.383	
6,650.0	6,501.3	6,548.8	6,511.3	26.8	15.1	-90.65	230.6	325.0	1,477.8	1,446.6	31.20	47.361	
6,692.9	6,541.4	6,592.7	6,551.8	26.8	15.1	-90.60	213.8	325.0	1,477.8	1,446.6	31.20	47.365	
6,700.0	6,548.0	6,600.0	6,558.4	26.8	15.1	-90.59	210.7	324.9	1,477.8	1,446.6	31.20	47.365	
6,750.0	6,593.3	6,650.9	6,603.8	26.8	15.1	-90.52	187.6	324.9	1,477.8	1,446.6	31.19	47.383	
6,791.3	6,629.6	6,693.0	6,639.9	26.8	15.1	-90.46	166.2	324.8	1,477.8	1,446.6	31.18	47.395	
6,800.0	6,637.0	6,701.8	6,647.4	26.8	15.1	-90.45	161.4	324.8	1,477.8	1,446.6	31.18	47.397	
6,850.0	6,679.0	6,752.5	6,688.8	26.8	15.1	-90.38	132.3	324.7	1,477.8	1,446.6	31.18	47.393	
6,889.7	6,710.9	6,792.7	6,720.2	26.8	15.1	-90.32	107.1	324.6	1,477.7	1,446.5	31.20	47.361	
6,900.0	6,718.9	6,803.1	6,728.1	26.8	15.1	-90.30	100.3	324.5	1,477.7	1,446.5	31.21	47.350	
6,950.0	6,756.7	6,853.5	6,784.8	26.8	15.1	-90.23	65.8	324.4	1,477.7	1,446.5	31.27	47.254	
6,988.2	6,783.9	6,892.0	6,791.2	26.8	15.1	-90.17	37.8	324.3	1,477.7	1,446.4	31.36	47.128	
7,000.0	6,792.0	6,903.8	6,799.0	26.8	15.1	-90.15	28.9	324.3	1,477.7	1,446.3	31.38	47.085	
7,050.0	6,824.8	6,954.0	6,830.4	26.8	15.1	-90.08	-10.2	324.1	1,477.7	1,446.2	31.55	46.831	
7,086.6	6,847.2	6,990.7	6,851.6	26.8	15.1	-90.02	-40.1	324.0	1,477.7	1,446.0	31.73	46.577	
7,095.5	6,852.3	6,999.5	6,856.5	26.8	15.1	-90.01	-47.5	324.0	1,477.7	1,446.0	31.77	46.516	
7,100.0	6,854.9	7,004.0	6,858.9	26.8	15.1	-90.00	-51.3	324.0	1,477.7	1,445.9	31.79	46.480	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	7,053.9	6,884.4	26.8	15.2	-89.92	-94.2	323.8	1,477.7	1,445.6	32.11	46.025	
7,185.0	6,899.5	7,088.8	6,900.5	26.8	15.4	-89.87	-125.1	323.7	1,477.7	1,445.3	32.38	45.633	
7,200.0	6,906.5	7,103.7	6,906.8	26.9	15.4	-89.85	-138.6	323.7	1,477.7	1,445.2	32.50	45.463	
7,250.0	6,927.6	7,153.3	6,926.1	26.9	15.7	-89.77	-184.3	323.5	1,477.7	1,444.7	32.99	44.798	
7,283.4	6,940.0	7,186.4	6,937.1	27.0	15.9	-89.72	-215.5	323.4	1,477.7	1,444.4	33.37	44.288	
7,300.0	6,945.5	7,202.8	6,942.0	27.0	16.0	-89.70	-231.1	323.3	1,477.7	1,444.2	33.56	44.036	
7,350.0	6,960.2	7,252.1	6,954.7	27.1	16.4	-89.62	-278.8	323.2	1,477.8	1,443.5	34.21	43.190	
7,381.9	6,967.8	7,283.6	6,961.0	27.2	16.6	-89.58	-309.6	323.0	1,477.8	1,443.1	34.69	42.603	
7,400.0	6,971.5	7,301.4	6,964.0	27.2	16.8	-89.55	-327.2	323.0	1,477.8	1,442.8	34.96	42.275	
7,450.0	6,979.3	7,350.5	6,970.0	27.4	17.2	-89.48	-375.9	322.8	1,477.8	1,442.0	35.78	41.308	
7,480.3	6,982.4	7,380.2	6,972.0	27.5	17.5	-89.44	-405.5	322.7	1,477.8	1,441.5	36.32	40.693	
7,500.0	6,983.7	7,400.0	6,972.7	27.5	17.7	-89.42	-425.3	322.6	1,477.8	1,441.1	36.67	40.299	
7,541.4	6,984.7	7,440.4	6,972.6	27.7	18.1	-89.38	-465.8	322.5	1,477.8	1,440.3	37.47	39.442	
7,578.7	6,984.5	7,477.8	6,972.2	27.9	18.5	-89.37	-503.1	322.3	1,477.8	1,439.6	38.24	38.648	
7,600.0	6,984.4	7,499.0	6,972.0	28.0	18.7	-89.37	-524.4	322.3	1,477.8	1,439.1	38.68	38.209	
7,677.1	6,984.0	7,576.2	6,971.3	28.5	19.6	-89.35	-601.5	322.0	1,477.8	1,437.4	40.40	36.580	
7,700.0	6,983.9	7,599.0	6,971.1	28.6	19.9	-89.35	-624.4	321.9	1,477.8	1,436.9	40.91	36.124	
7,775.6	6,983.5	7,674.6	6,970.5	29.2	20.9	-89.34	-699.9	321.6	1,477.8	1,435.1	42.75	34.571	
7,800.0	6,983.4	7,699.0	6,970.2	29.4	21.2	-89.33	-724.3	321.5	1,477.8	1,434.5	43.34	34.097	
7,874.0	6,983.1	7,773.0	6,969.6	30.0	22.2	-89.32	-798.3	321.3	1,477.8	1,432.5	45.30	32.622	
7,900.0	6,982.9	7,799.0	6,969.3	30.3	22.6	-89.32	-824.3	321.2	1,477.8	1,431.8	45.99	32.133	
7,972.4	6,982.6	7,871.5	6,968.7	31.0	23.6	-89.31	-896.8	320.9	1,477.8	1,429.8	48.04	30.763	
8,000.0	6,982.4	7,899.0	6,968.4	31.3	24.0	-89.30	-924.3	320.8	1,477.8	1,429.0	48.82	30.271	
8,070.8	6,982.1	7,969.9	6,967.8	32.1	25.1	-89.29	-995.2	320.5	1,477.8	1,426.9	50.93	29.016	
8,100.0	6,982.0	7,999.0	6,967.5	32.4	25.6	-89.28	-1,024.3	320.4	1,477.8	1,426.0	51.80	28.529	
8,169.3	6,981.6	8,068.3	6,966.9	33.2	26.7	-89.27	-1,093.6	320.2	1,477.8	1,423.9	53.95	27.391	
8,200.0	6,981.5	8,099.0	6,966.6	33.6	27.2	-89.27	-1,124.3	320.1	1,477.8	1,422.9	54.91	26.915	
8,267.7	6,981.1	8,166.7	6,966.0	34.5	28.3	-89.26	-1,192.0	319.8	1,477.9	1,420.8	57.08	25.889	
8,300.0	6,981.0	8,199.0	6,965.7	34.9	28.8	-89.25	-1,224.3	319.7	1,477.9	1,419.7	58.12	25.426	
8,366.1	6,980.7	8,265.1	6,965.1	35.8	29.9	-89.24	-1,290.4	319.5	1,477.9	1,417.6	60.31	24.505	
8,400.0	6,980.5	8,299.0	6,964.8	36.3	30.5	-89.24	-1,324.3	319.3	1,477.9	1,416.4	61.43	24.059	
8,464.5	6,980.2	8,363.6	6,964.2	37.2	31.6	-89.23	-1,388.8	319.1	1,477.9	1,414.3	63.61	23.234	
8,500.0	6,980.0	8,399.0	6,963.9	37.7	32.2	-89.22	-1,424.3	319.0	1,477.9	1,413.1	64.81	22.804	
8,563.0	6,979.7	8,462.0	6,963.3	38.6	33.3	-89.21	-1,487.3	318.7	1,477.9	1,410.9	66.98	22.065	
8,600.0	6,979.5	8,499.0	6,963.0	39.1	34.0	-89.20	-1,524.3	318.6	1,477.9	1,409.6	68.25	21.653	
8,661.4	6,979.2	8,560.4	6,962.4	40.1	35.1	-89.19	-1,585.7	318.4	1,477.9	1,407.5	70.40	20.992	
8,700.0	6,979.0	8,599.0	6,962.1	40.7	35.8	-89.19	-1,624.3	318.2	1,477.9	1,406.1	71.75	20.597	
8,759.8	6,978.7	8,658.8	6,961.5	41.6	36.8	-89.18	-1,684.1	318.0	1,477.9	1,404.0	73.88	20.005	
8,800.0	6,978.5	8,699.0	6,961.1	42.2	37.6	-89.17	-1,724.3	317.9	1,477.9	1,402.6	75.30	19.626	
8,858.2	6,978.2	8,757.3	6,960.6	43.1	38.6	-89.16	-1,782.5	317.7	1,477.9	1,400.5	77.39	19.096	
8,900.0	6,978.0	8,799.0	6,960.2	43.8	39.4	-89.15	-1,824.3	317.5	1,477.9	1,399.0	78.89	18.733	
8,956.7	6,977.8	8,855.7	6,959.7	44.7	40.4	-89.15	-1,880.9	317.3	1,477.9	1,397.0	80.95	18.258	
9,000.0	6,977.5	8,899.0	6,959.3	45.4	41.2	-89.14	-1,924.3	317.1	1,477.9	1,395.4	82.52	17.910	
9,055.1	6,977.3	8,954.1	6,958.8	46.3	42.2	-89.13	-1,979.4	316.9	1,477.9	1,393.4	84.53	17.483	
9,100.0	6,977.1	8,999.0	6,958.4	47.1	43.1	-89.12	-2,024.2	316.8	1,477.9	1,391.8	86.18	17.150	
9,153.5	6,976.8	9,052.5	6,957.9	48.0	44.0	-89.11	-2,077.8	316.6	1,477.9	1,389.8	88.15	16.766	
9,200.0	6,976.6	9,099.0	6,957.5	48.8	44.9	-89.11	-2,124.2	316.4	1,477.9	1,388.1	89.86	16.447	
9,251.9	6,976.3	9,150.9	6,957.0	49.7	45.9	-89.10	-2,176.2	316.2	1,477.9	1,386.2	91.79	16.102	
9,300.0	6,976.1	9,199.0	6,956.6	50.5	46.8	-89.09	-2,224.2	316.1	1,478.0	1,384.4	93.57	15.795	
9,350.4	6,975.8	9,249.4	6,956.1	51.3	47.7	-89.08	-2,274.6	315.9	1,478.0	1,382.5	95.45	15.484	
9,400.0	6,975.6	9,299.0	6,955.7	52.2	48.7	-89.07	-2,324.2	315.7	1,478.0	1,380.7	97.30	15.189	
9,448.8	6,975.3	9,347.8	6,955.2	53.1	49.6	-89.07	-2,373.0	315.5	1,478.0	1,378.8	99.13	14.909	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWMD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.0	6,975.1	9,399.0	6,954.8	54.0	50.5	-89.06	-2,424.2	315.3	1,478.0	1,376.9	101.05	14.626	
9,547.2	6,974.9	9,446.2	6,954.3	54.8	51.4	-89.05	-2,471.4	315.2	1,478.0	1,375.1	102.83	14.373	
9,600.0	6,974.6	9,499.0	6,953.9	55.7	52.4	-89.04	-2,524.2	315.0	1,478.0	1,373.2	104.82	14.100	
9,645.6	6,974.4	9,544.6	6,953.5	56.5	53.3	-89.03	-2,569.9	314.8	1,478.0	1,371.4	106.55	13.872	
9,700.0	6,974.1	9,599.0	6,953.0	57.5	54.3	-89.02	-2,624.2	314.6	1,478.0	1,369.4	108.60	13.609	
9,744.1	6,973.9	9,643.1	6,952.6	58.3	55.2	-89.02	-2,668.3	314.4	1,478.0	1,367.7	110.28	13.403	
9,800.0	6,973.6	9,699.0	6,952.0	59.3	56.3	-89.01	-2,724.2	314.2	1,478.0	1,365.6	112.40	13.150	
9,842.5	6,973.4	9,741.5	6,951.7	60.0	57.1	-89.00	-2,766.7	314.1	1,478.0	1,364.0	114.02	12.963	
9,900.0	6,973.1	9,799.0	6,951.1	61.1	58.2	-88.99	-2,824.2	313.9	1,478.0	1,361.8	116.21	12.719	
9,940.9	6,972.9	9,839.9	6,950.8	61.8	59.0	-88.99	-2,865.1	313.7	1,478.0	1,360.3	117.77	12.550	
10,000.0	6,972.6	9,899.0	6,950.2	62.9	60.1	-88.98	-2,924.2	313.5	1,478.0	1,358.0	120.03	12.314	
10,039.3	6,972.4	9,938.3	6,949.9	63.6	60.8	-88.97	-2,963.5	313.4	1,478.0	1,356.5	121.54	12.161	
10,100.0	6,972.1	9,999.0	6,949.3	64.7	62.0	-88.96	-3,024.2	313.1	1,478.1	1,354.2	123.86	11.933	
10,137.8	6,972.0	10,036.8	6,949.0	65.4	62.7	-88.95	-3,061.9	313.0	1,478.1	1,352.7	125.31	11.795	
10,200.0	6,971.6	10,099.0	6,948.4	66.6	63.9	-88.94	-3,124.2	312.8	1,478.1	1,350.4	127.70	11.575	
10,236.2	6,971.5	10,135.2	6,948.1	67.2	64.6	-88.94	-3,160.4	312.7	1,478.1	1,349.0	129.09	11.450	
10,300.0	6,971.2	10,199.0	6,947.5	68.4	65.9	-88.93	-3,224.2	312.4	1,478.1	1,346.5	131.55	11.236	
10,334.6	6,971.0	10,233.6	6,947.2	69.0	66.5	-88.92	-3,258.8	312.3	1,478.1	1,345.2	132.88	11.123	
10,400.0	6,970.7	10,299.0	6,946.6	70.2	67.8	-88.91	-3,324.2	312.1	1,478.1	1,342.7	135.40	10.916	
10,433.0	6,970.5	10,332.0	6,946.3	70.9	68.5	-88.91	-3,357.2	311.9	1,478.1	1,341.4	136.68	10.814	
10,500.0	6,970.2	10,399.0	6,945.7	72.1	69.8	-88.89	-3,424.1	311.7	1,478.1	1,338.8	139.26	10.614	
10,531.5	6,970.0	10,430.4	6,945.4	72.7	70.4	-88.89	-3,455.6	311.6	1,478.1	1,337.6	140.48	10.522	
10,600.0	6,969.7	10,499.0	6,944.8	74.0	71.7	-88.88	-3,524.1	311.3	1,478.1	1,335.0	143.13	10.327	
10,629.9	6,969.5	10,528.9	6,944.5	74.5	72.3	-88.87	-3,554.0	311.2	1,478.1	1,333.8	144.29	10.244	
10,700.0	6,969.2	10,599.0	6,943.8	75.8	73.6	-88.86	-3,624.1	311.0	1,478.1	1,331.1	147.01	10.055	
10,728.3	6,969.0	10,627.3	6,943.6	76.4	74.2	-88.86	-3,652.5	310.9	1,478.1	1,330.0	148.11	9.980	
10,800.0	6,968.7	10,699.0	6,942.9	77.7	75.6	-88.85	-3,724.1	310.6	1,478.2	1,327.3	150.89	9.796	
10,826.7	6,968.6	10,725.7	6,942.7	78.2	76.1	-88.84	-3,750.9	310.5	1,478.2	1,326.2	151.93	9.729	
10,900.0	6,968.2	10,799.0	6,942.0	79.6	77.5	-88.83	-3,824.1	310.2	1,478.2	1,323.4	154.78	9.550	
10,925.2	6,968.1	10,824.1	6,941.8	80.1	78.0	-88.83	-3,849.3	310.2	1,478.2	1,322.4	155.76	9.490	
11,000.0	6,967.7	10,899.0	6,941.1	81.5	79.5	-88.81	-3,924.1	309.9	1,478.2	1,319.5	158.67	9.316	
11,023.6	6,967.6	10,922.6	6,940.9	81.9	79.9	-88.81	-3,947.7	309.8	1,478.2	1,318.6	159.59	9.263	
11,100.0	6,967.2	10,999.0	6,940.2	83.4	81.4	-88.80	-4,024.1	309.5	1,478.2	1,315.6	162.56	9.093	
11,122.0	6,967.1	11,021.0	6,940.0	83.8	81.9	-88.79	-4,046.1	309.4	1,478.2	1,314.8	163.42	9.045	
11,200.0	6,966.7	11,098.9	6,939.3	85.3	83.4	-88.78	-4,124.1	309.2	1,478.2	1,311.8	166.46	8.880	
11,220.4	6,966.6	11,119.4	6,939.1	85.7	83.8	-88.78	-4,144.5	309.1	1,478.2	1,311.0	167.26	8.838	
11,300.0	6,966.2	11,198.9	6,938.4	87.2	85.4	-88.76	-4,224.1	308.8	1,478.2	1,307.9	170.36	8.677	
11,318.9	6,966.1	11,217.8	6,938.2	87.5	85.7	-88.76	-4,243.0	308.7	1,478.2	1,307.1	171.10	8.640	
11,400.0	6,965.7	11,298.9	6,937.5	89.1	87.3	-88.75	-4,324.1	308.4	1,478.3	1,304.0	174.27	8.483	
11,417.3	6,965.6	11,316.2	6,937.3	89.4	87.7	-88.75	-4,341.4	308.4	1,478.3	1,303.3	174.95	8.450	
11,500.0	6,965.2	11,398.9	6,936.5	91.0	89.3	-88.73	-4,424.1	308.1	1,478.3	1,300.1	178.18	8.297	
11,515.7	6,965.2	11,414.7	6,936.4	91.3	89.6	-88.73	-4,439.8	308.0	1,478.3	1,299.5	178.80	8.268	
11,600.0	6,964.7	11,498.9	6,935.6	92.9	91.2	-88.72	-4,524.1	307.7	1,478.3	1,296.2	182.09	8.118	
11,614.1	6,964.7	11,513.1	6,935.5	93.2	91.5	-88.71	-4,538.2	307.7	1,478.3	1,295.7	182.65	8.094	
11,700.0	6,964.3	11,598.9	6,934.7	94.8	93.2	-88.70	-4,624.1	307.4	1,478.3	1,292.3	186.01	7.948	
11,712.6	6,964.2	11,611.5	6,934.6	95.1	93.4	-88.70	-4,636.6	307.3	1,478.3	1,291.8	186.50	7.927	
11,800.0	6,963.8	11,698.9	6,933.8	96.7	95.2	-88.68	-4,724.0	307.0	1,478.3	1,288.4	189.93	7.784	
11,811.0	6,963.7	11,709.9	6,933.7	97.0	95.4	-88.68	-4,735.0	307.0	1,478.3	1,288.0	190.36	7.766	
11,900.0	6,963.3	11,798.9	6,932.9	98.7	97.1	-88.67	-4,824.0	306.6	1,478.4	1,284.5	193.85	7.626	
11,909.4	6,963.2	11,808.4	6,932.8	98.9	97.3	-88.67	-4,833.5	306.6	1,478.4	1,284.1	194.22	7.612	
12,000.0	6,962.8	11,898.9	6,932.0	100.6	99.1	-88.65	-4,924.0	306.3	1,478.4	1,280.6	197.77	7.475	
12,007.8	6,962.7	11,906.8	6,931.9	100.7	99.2	-88.65	-4,931.9	306.2	1,478.4	1,280.3	198.08	7.464	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,100.0	6,962.3	11,998.9	6,931.1	102.5	101.1	-88.63	-5,024.0	305.9	1,478.4	1,276.7	201.70	7.330	
12,106.3	6,962.2	12,005.2	6,931.0	102.6	101.2	-88.63	-5,030.3	305.9	1,478.4	1,276.5	201.94	7.321	
12,200.0	6,961.8	12,098.9	6,930.1	104.5	103.0	-88.62	-5,124.0	305.5	1,478.4	1,272.8	205.62	7.190	
12,204.7	6,961.8	12,103.6	6,930.1	104.5	103.1	-88.62	-5,128.7	305.5	1,478.4	1,272.6	205.81	7.183	
12,300.0	6,961.3	12,198.9	6,929.2	106.4	105.0	-88.60	-5,224.0	305.2	1,478.4	1,268.9	209.55	7.055	
12,303.1	6,961.3	12,202.0	6,929.2	106.4	105.1	-88.60	-5,227.1	305.2	1,478.4	1,268.8	209.68	7.051	
12,400.0	6,960.8	12,298.9	6,928.3	108.3	107.0	-88.59	-5,324.0	304.8	1,478.5	1,265.0	213.49	6.925	
12,401.5	6,960.8	12,300.5	6,928.3	108.3	107.0	-88.59	-5,325.6	304.8	1,478.5	1,264.9	213.55	6.923	
12,500.0	6,960.3	12,398.9	6,927.4	110.3	108.9	-88.57	-5,424.0	304.5	1,478.5	1,261.1	217.42	6.800	
12,598.4	6,959.8	12,497.3	6,926.5	112.2	110.9	-88.55	-5,522.4	304.1	1,478.5	1,257.2	221.29	6.681	
12,600.0	6,959.8	12,498.9	6,926.5	112.2	110.9	-88.55	-5,524.0	304.1	1,478.5	1,257.2	221.35	6.679	
12,696.8	6,959.3	12,595.7	6,925.6	114.1	112.8	-88.54	-5,620.8	303.8	1,478.5	1,253.4	225.16	6.566	
12,700.0	6,959.3	12,598.9	6,925.6	114.1	112.9	-88.54	-5,624.0	303.7	1,478.5	1,253.2	225.29	6.563	
12,795.2	6,958.8	12,694.2	6,924.7	116.0	114.8	-88.52	-5,719.2	303.4	1,478.5	1,249.5	229.04	6.455	
12,800.0	6,958.8	12,698.9	6,924.6	116.1	114.9	-88.52	-5,724.0	303.4	1,478.5	1,249.3	229.23	6.450	
12,893.7	6,958.3	12,792.6	6,923.8	117.9	116.7	-88.51	-5,817.6	303.0	1,478.6	1,245.7	232.92	6.348	
12,900.0	6,958.3	12,798.9	6,923.7	118.0	116.8	-88.50	-5,824.0	303.0	1,478.6	1,245.4	233.17	6.341	
12,992.1	6,957.9	12,891.0	6,922.9	119.8	118.6	-88.49	-5,916.1	302.7	1,478.6	1,241.8	236.80	6.244	
13,000.0	6,957.8	12,898.9	6,922.8	120.0	118.8	-88.49	-5,924.0	302.7	1,478.6	1,241.5	237.11	6.236	
13,090.5	6,957.4	12,989.4	6,922.0	121.7	120.6	-88.47	-6,014.5	302.3	1,478.6	1,237.9	240.68	6.144	
13,100.0	6,957.3	12,998.9	6,921.9	121.9	120.8	-88.47	-6,024.0	302.3	1,478.6	1,237.6	241.05	6.134	
13,188.9	6,956.9	13,087.8	6,921.1	123.6	122.5	-88.46	-6,112.9	302.0	1,478.6	1,234.1	244.56	6.046	
13,200.0	6,956.8	13,098.9	6,921.0	123.9	122.8	-88.46	-6,123.9	301.9	1,478.6	1,233.7	244.99	6.035	
13,287.4	6,956.4	13,186.3	6,920.2	125.6	124.5	-88.44	-6,211.3	301.6	1,478.7	1,230.2	248.44	5.952	
13,300.0	6,956.3	13,198.9	6,920.1	125.8	124.7	-88.44	-6,223.9	301.6	1,478.7	1,229.7	248.94	5.940	
13,385.8	6,955.9	13,284.7	6,919.3	127.5	126.4	-88.43	-6,309.7	301.3	1,478.7	1,226.4	252.32	5.860	
13,400.0	6,955.8	13,298.9	6,919.2	127.8	126.7	-88.42	-6,323.9	301.2	1,478.7	1,225.8	252.88	5.847	
13,484.2	6,955.4	13,383.1	6,918.4	129.4	128.4	-88.41	-6,408.1	300.9	1,478.7	1,222.5	256.21	5.772	
13,500.0	6,955.3	13,398.9	6,918.2	129.7	128.7	-88.41	-6,423.9	300.9	1,478.7	1,221.9	256.83	5.758	
13,582.6	6,954.9	13,481.5	6,917.5	131.3	130.3	-88.39	-6,506.6	300.6	1,478.7	1,218.7	260.09	5.685	
13,600.0	6,954.8	13,498.9	6,917.3	131.7	130.7	-88.39	-6,523.9	300.5	1,478.7	1,218.0	260.78	5.671	
13,681.1	6,954.4	13,580.0	6,916.6	133.2	132.3	-88.38	-6,605.0	300.2	1,478.8	1,214.8	263.98	5.602	
13,700.0	6,954.3	13,598.9	6,916.4	133.6	132.6	-88.37	-6,623.9	300.2	1,478.8	1,214.0	264.72	5.586	
13,779.5	6,953.9	13,678.4	6,915.7	135.2	134.2	-88.36	-6,703.4	299.9	1,478.8	1,210.9	267.86	5.521	
13,800.0	6,953.8	13,698.9	6,915.5	135.6	134.6	-88.36	-6,723.9	299.8	1,478.8	1,210.1	268.67	5.504	
13,877.9	6,953.5	13,776.8	6,914.8	137.1	136.2	-88.35	-6,801.8	299.5	1,478.8	1,207.1	271.75	5.442	
13,900.0	6,953.3	13,798.9	6,914.6	137.5	136.6	-88.34	-6,823.9	299.4	1,478.8	1,206.2	272.62	5.424	
13,976.3	6,953.0	13,875.2	6,913.9	139.0	138.1	-88.33	-6,900.2	299.2	1,478.8	1,203.2	275.64	5.365	
14,000.0	6,952.8	13,898.9	6,913.7	139.5	138.6	-88.33	-6,923.9	299.1	1,478.9	1,202.3	276.57	5.347	
14,074.8	6,952.5	13,973.6	6,913.0	140.9	140.1	-88.31	-6,998.7	298.8	1,478.9	1,199.3	279.53	5.291	
14,100.0	6,952.4	13,998.9	6,912.7	141.4	140.6	-88.31	-7,023.9	298.7	1,478.9	1,198.4	280.53	5.272	
14,170.4	6,952.0	14,069.3	6,912.1	142.8	141.9	-88.30	-7,094.3	298.5	1,478.9	1,195.7	283.19	5.222 SF	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	2.0	2.0	0.0	0.0	90.00	0.0	58.6	58.6				
98.4	98.4	100.4	100.4	0.1	0.1	90.00	0.0	58.6	58.6	58.4	0.19	302.433	
100.0	100.0	102.0	102.0	0.1	0.1	90.00	0.0	58.6	58.6	58.4	0.20	294.360	
196.8	196.8	198.8	198.8	0.3	0.3	90.00	0.0	58.6	58.6	57.9	0.63	92.314	
200.0	200.0	202.0	202.0	0.3	0.3	90.00	0.0	58.6	58.6	57.9	0.65	90.298	
295.3	295.3	297.3	297.3	0.5	0.5	90.00	0.0	58.6	58.6	57.5	1.08	54.380	
300.0	300.0	302.0	302.0	0.5	0.6	90.00	0.0	58.6	58.6	57.5	1.10	53.328	
393.7	393.7	395.7	395.7	0.8	0.8	90.00	0.0	58.6	58.6	57.0	1.52	38.543	
400.0	400.0	402.0	402.0	0.8	0.8	90.00	0.0	58.6	58.6	57.0	1.55	37.837	
492.1	492.1	494.1	494.1	1.0	1.0	90.00	0.0	58.6	58.6	56.6	1.96	29.849	
500.0	500.0	502.0	502.0	1.0	1.0	90.00	0.0	58.6	58.6	56.6	2.00	29.320	
590.5	590.5	592.5	592.5	1.2	1.2	90.00	0.0	58.6	58.6	56.1	2.40	24.356	
600.0	600.0	602.0	602.0	1.2	1.2	90.00	0.0	58.6	58.6	56.1	2.45	23.933	
689.0	689.0	691.0	691.0	1.4	1.4	90.00	0.0	58.6	58.6	55.7	2.85	20.570	
700.0	700.0	702.0	702.0	1.4	1.5	90.00	0.0	58.6	58.6	55.7	2.90	20.218	
787.4	787.4	789.4	789.4	1.6	1.6	90.00	0.0	58.6	58.6	55.3	3.29	17.803	
800.0	800.0	802.0	802.0	1.7	1.7	90.00	0.0	58.6	58.6	55.2	3.35	17.501	
885.8	885.8	887.8	887.8	1.9	1.9	90.00	0.0	58.6	58.6	54.8	3.73	15.692	
900.0	900.0	902.0	902.0	1.9	1.9	90.00	0.0	58.6	58.6	54.8	3.80	15.428	
984.2	984.2	986.2	986.2	2.1	2.1	90.00	0.0	58.6	58.6	54.4	4.17	14.028	
1,000.0	1,000.0	1,002.0	1,002.0	2.1	2.1	90.00	0.0	58.6	58.6	54.3	4.24	13.794 CC, ES	
1,082.7	1,082.7	1,084.7	1,084.7	2.3	2.3	167.57	0.0	58.6	59.7	55.1	4.61	12.962	
1,100.0	1,100.0	1,102.0	1,102.0	2.3	2.3	167.68	0.0	58.6	60.3	55.6	4.68	12.868	
1,181.1	1,181.0	1,183.0	1,183.0	2.5	2.5	168.42	0.0	58.6	64.1	59.1	5.03	12.755	
1,200.0	1,199.8	1,201.9	1,201.9	2.5	2.6	168.64	0.0	58.6	65.4	60.3	5.11	12.797	
1,279.5	1,279.1	1,282.8	1,282.8	2.7	2.8	169.15	0.7	57.6	70.9	65.5	5.44	13.028	
1,300.0	1,299.5	1,303.6	1,303.6	2.8	2.8	169.16	1.1	57.0	72.4	66.9	5.53	13.095	
1,377.9	1,376.9	1,383.1	1,383.0	3.0	3.0	168.81	3.4	53.8	78.2	72.4	5.85	13.366	
1,400.0	1,398.7	1,405.6	1,405.4	3.0	3.0	168.61	4.3	52.6	79.9	74.0	5.94	13.449	
1,476.4	1,474.2	1,483.6	1,483.1	3.2	3.2	167.64	8.2	47.2	86.0	79.7	6.26	13.734	
1,500.0	1,497.5	1,507.7	1,507.1	3.3	3.3	167.26	9.7	45.2	88.0	81.6	6.36	13.827	
1,574.8	1,571.0	1,584.2	1,583.0	3.5	3.4	165.87	15.0	37.7	94.3	87.7	6.68	14.117	
1,600.0	1,595.6	1,609.9	1,608.5	3.6	3.5	165.34	17.1	34.8	96.6	89.8	6.79	14.219	
1,673.2	1,667.0	1,684.9	1,682.5	3.9	3.7	163.66	23.9	25.4	103.3	96.2	7.12	14.502	
1,700.0	1,693.1	1,712.3	1,709.5	4.0	3.8	163.01	26.7	21.5	105.8	98.6	7.25	14.607	
1,735.7	1,727.6	1,748.8	1,745.4	4.1	3.9	162.11	30.6	16.0	109.3	101.9	7.42	14.737	
1,771.6	1,762.4	1,785.6	1,781.5	4.3	4.0	161.15	34.9	10.2	112.7	105.1	7.61	14.810	
1,800.0	1,789.8	1,814.2	1,809.5	4.4	4.1	160.35	38.3	5.4	115.2	107.5	7.77	14.833	
1,870.1	1,857.6	1,883.9	1,877.7	4.7	4.3	158.52	46.8	-6.4	121.4	113.2	8.17	14.855	
1,900.0	1,886.6	1,913.7	1,906.8	4.8	4.4	157.79	50.4	-11.4	124.1	115.7	8.35	14.864	
1,968.5	1,952.8	1,981.8	1,973.5	5.2	4.7	156.24	58.7	-22.9	130.3	121.5	8.77	14.863	
2,000.0	1,983.3	2,013.2	2,004.1	5.3	4.8	155.58	62.5	-28.2	133.2	124.2	8.97	14.845	
2,066.9	2,048.0	2,079.7	2,069.2	5.6	5.0	154.26	70.6	-39.4	139.3	129.9	9.40	14.817	
2,100.0	2,080.0	2,112.6	2,101.4	5.8	5.2	153.65	74.6	-44.9	142.4	132.8	9.62	14.797	
2,165.3	2,143.2	2,177.6	2,165.0	6.1	5.4	152.52	82.5	-55.9	148.5	138.5	10.07	14.749	
2,200.0	2,176.7	2,212.1	2,198.7	6.3	5.6	151.95	86.7	-61.7	151.8	141.5	10.31	14.721	
2,263.8	2,238.4	2,275.5	2,260.8	6.6	5.8	150.98	94.4	-72.4	157.9	147.1	10.76	14.664	
2,300.0	2,273.4	2,311.6	2,296.0	6.8	5.9	150.46	98.8	-78.5	161.3	150.3	11.03	14.631	
2,362.2	2,333.6	2,373.4	2,356.5	7.1	6.2	149.61	106.3	-88.9	167.3	155.8	11.48	14.569	
2,400.0	2,370.2	2,411.0	2,393.3	7.3	6.4	149.13	110.9	-95.2	170.9	159.2	11.76	14.531	
2,460.6	2,428.8	2,471.3	2,452.3	7.6	6.6	148.39	118.2	-105.4	176.8	164.6	12.22	14.468	
2,500.0	2,466.9	2,510.5	2,490.6	7.8	6.8	147.94	123.0	-112.0	180.6	168.1	12.52	14.427	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,559.0	2,524.0	2,569.2	2,548.0	8.1	7.0	147.30	130.1	-121.9	186.4	173.4	12.97	14.364	
2,600.0	2,563.6	2,609.9	2,587.9	8.3	7.2	146.87	135.1	-128.8	190.4	177.1	13.29	14.322	
2,657.5	2,619.2	2,667.1	2,643.8	8.6	7.4	146.31	142.0	-138.4	196.0	182.3	13.74	14.261	
2,700.0	2,660.3	2,709.4	2,685.2	8.8	7.6	145.91	147.2	-145.6	200.2	186.1	14.08	14.218	
2,755.9	2,714.4	2,765.0	2,739.6	9.1	7.8	145.41	153.9	-154.9	205.7	191.2	14.53	14.160	
2,800.0	2,757.0	2,808.9	2,782.5	9.4	8.0	145.04	159.3	-162.3	210.0	195.2	14.88	14.116	
2,854.3	2,809.6	2,862.9	2,835.3	9.6	8.2	144.60	165.8	-171.4	215.4	200.1	15.32	14.063	
2,900.0	2,853.8	2,908.3	2,879.7	9.9	8.4	144.25	171.4	-179.1	220.0	204.3	15.69	14.019	
2,952.7	2,904.8	2,960.8	2,931.1	10.2	8.7	143.86	177.7	-187.9	225.2	209.1	16.12	13.969	
3,000.0	2,950.5	3,007.8	2,977.0	10.4	8.9	143.52	183.4	-195.9	229.9	213.4	16.51	13.925	
3,051.2	3,000.0	3,058.7	3,026.8	10.7	9.1	143.17	189.6	-204.4	235.0	218.1	16.93	13.879	
3,100.0	3,047.2	3,107.3	3,074.3	10.9	9.3	142.86	195.5	-212.6	239.9	222.5	17.34	13.836	
3,149.6	3,095.2	3,156.6	3,122.6	11.2	9.5	142.55	201.5	-221.0	244.8	227.1	17.75	13.793	
3,200.0	3,143.9	3,206.7	3,171.6	11.5	9.7	142.25	207.6	-229.4	249.9	231.7	18.17	13.751	
3,248.0	3,190.4	3,254.5	3,218.3	11.7	9.9	141.97	213.4	-237.5	254.7	236.1	18.58	13.712	
3,300.0	3,240.6	3,306.2	3,268.9	12.0	10.2	141.68	219.7	-246.2	259.9	240.9	19.01	13.671	
3,346.4	3,285.6	3,352.4	3,314.1	12.3	10.4	141.43	225.3	-254.0	264.6	245.2	19.41	13.635	
3,400.0	3,337.4	3,405.7	3,366.2	12.5	10.6	141.16	231.8	-262.9	270.0	250.1	19.86	13.595	
3,444.9	3,380.8	3,448.9	3,408.6	12.8	10.8	140.97	237.0	-270.1	274.6	254.4	20.22	13.582	
3,500.0	3,434.1	3,500.0	3,458.7	13.1	11.0	140.90	242.6	-278.0	280.7	260.0	20.62	13.610	
3,543.3	3,476.0	3,542.4	3,500.5	13.3	11.1	140.97	246.9	-283.9	285.7	264.8	20.90	13.670	
3,600.0	3,530.8	3,596.1	3,553.5	13.6	11.3	141.21	251.8	-290.7	292.9	271.6	21.25	13.783	
3,641.7	3,571.2	3,635.4	3,592.4	13.8	11.4	141.49	255.1	-295.2	298.4	276.9	21.48	13.895	
3,700.0	3,627.5	3,690.2	3,646.8	14.2	11.5	142.00	259.0	-300.7	306.7	284.9	21.78	14.083	
3,740.1	3,666.4	3,727.8	3,684.2	14.4	11.6	142.44	261.4	-304.0	312.7	290.7	21.96	14.239	
3,800.0	3,724.2	3,783.6	3,739.8	14.7	11.7	143.20	264.4	-308.2	322.2	300.0	22.21	14.506	
3,838.6	3,761.6	3,819.4	3,775.5	14.9	11.8	143.76	266.0	-310.4	328.7	306.3	22.35	14.702	
3,900.0	3,821.0	3,876.1	3,832.0	15.2	11.9	144.72	268.0	-313.1	339.5	317.0	22.56	15.051	
3,937.0	3,856.8	3,910.0	3,865.9	15.4	12.0	145.35	268.9	-314.4	346.4	323.8	22.67	15.283	
4,000.0	3,917.7	3,967.5	3,923.3	15.8	12.1	146.48	269.8	-315.7	358.9	336.0	22.83	15.719	
4,035.4	3,951.9	4,000.0	3,955.9	16.0	12.1	147.16	270.1	-316.0	366.2	343.3	22.91	15.984	
4,100.0	4,014.4	4,060.5	4,016.4	16.3	12.2	148.44	270.1	-316.0	380.2	357.1	23.05	16.497	
4,133.8	4,047.1	4,093.3	4,049.1	16.5	12.2	149.10	270.1	-316.0	387.6	364.5	23.12	16.767	
4,200.0	4,111.1	4,157.3	4,113.1	16.9	12.3	150.32	270.1	-316.0	402.2	379.0	23.27	17.285	
4,232.3	4,142.3	4,188.5	4,144.3	17.0	12.4	150.88	270.1	-316.0	409.4	386.1	23.35	17.534	
4,300.0	4,207.8	4,254.0	4,209.8	17.4	12.5	152.00	270.1	-316.0	424.6	401.1	23.52	18.053	
4,330.7	4,237.5	4,283.7	4,239.5	17.6	12.5	152.49	270.1	-316.0	431.6	408.0	23.60	18.285	
4,400.0	4,304.6	4,350.7	4,306.6	17.9	12.6	153.52	270.1	-316.0	447.4	423.6	23.80	18.802	
4,429.1	4,332.7	4,378.9	4,334.7	18.1	12.7	153.94	270.1	-316.0	454.1	430.2	23.88	19.016	
4,500.0	4,401.3	4,447.4	4,403.3	18.5	12.8	154.89	270.1	-316.0	470.4	446.3	24.09	19.530	
4,527.5	4,427.9	4,474.1	4,429.9	18.6	12.8	155.25	270.1	-316.0	476.8	452.6	24.17	19.726	
4,600.0	4,498.0	4,544.1	4,500.0	19.0	13.0	156.14	270.1	-316.0	493.6	469.3	24.39	20.236	
4,626.0	4,523.1	4,569.3	4,525.1	19.2	13.0	156.44	270.1	-316.0	499.7	475.2	24.48	20.416	
4,700.0	4,594.7	4,640.9	4,596.7	19.6	13.1	157.27	270.1	-316.0	517.1	492.4	24.72	20.920	
4,724.4	4,618.3	4,664.5	4,620.3	19.7	13.2	157.53	270.1	-316.0	522.8	498.0	24.80	21.083	
4,800.0	4,691.5	4,737.6	4,693.5	20.1	13.3	158.31	270.1	-316.0	540.7	515.7	25.06	21.581	
4,822.8	4,713.5	4,759.7	4,715.5	20.2	13.3	158.53	270.1	-316.0	546.1	521.0	25.13	21.729	
4,900.0	4,788.2	4,834.3	4,790.2	20.7	13.4	159.26	270.1	-316.0	564.5	539.1	25.41	22.220	
4,921.2	4,808.7	4,854.8	4,810.7	20.8	13.5	159.45	270.1	-316.0	569.6	544.1	25.48	22.352	
5,000.0	4,884.9	4,931.0	4,886.9	21.2	13.6	160.13	270.1	-316.0	588.4	562.6	25.77	22.836	
5,019.7	4,903.9	4,950.0	4,905.9	21.3	13.6	160.29	270.1	-316.0	593.1	567.3	25.84	22.955	
5,100.0	4,981.6	5,027.7	4,983.6	21.8	13.8	160.93	270.1	-316.0	612.4	586.3	26.14	23.431	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,118.1	4,999.1	5,045.2	5,001.1	21.8	13.8	161.07	270.1	-316.0	616.8	590.6	26.21	23.537	
5,200.0	5,078.3	5,124.5	5,080.3	22.3	13.9	161.68	270.1	-316.0	636.6	610.1	26.52	24.005	
5,216.5	5,094.3	5,140.4	5,096.3	22.4	14.0	161.80	270.1	-316.0	640.6	614.0	26.58	24.098	
5,300.0	5,175.1	5,221.2	5,177.1	22.8	14.1	162.37	270.1	-316.0	660.8	633.9	26.91	24.559	
5,314.9	5,189.5	5,235.6	5,191.5	22.9	14.1	162.47	270.1	-316.0	664.4	637.5	26.97	24.640	
5,400.0	5,271.8	5,317.9	5,273.8	23.4	14.3	163.01	270.1	-316.0	685.1	657.8	27.30	25.092	
5,413.4	5,284.7	5,330.8	5,286.7	23.5	14.3	163.09	270.1	-316.0	688.4	661.0	27.36	25.162	
5,500.0	5,368.5	5,414.6	5,370.5	23.9	14.5	163.61	270.1	-316.0	709.5	681.8	27.71	25.607	
5,511.8	5,379.9	5,426.0	5,381.9	24.0	14.5	163.68	270.1	-316.0	712.4	684.7	27.76	25.667	
5,600.0	5,465.2	5,511.3	5,467.2	24.5	14.6	164.17	270.1	-316.0	734.0	705.9	28.12	26.104	
5,610.2	5,475.1	5,521.2	5,477.1	24.5	14.7	164.22	270.1	-316.0	736.5	708.3	28.16	26.154	
5,647.2	5,510.9	5,557.0	5,512.9	24.7	14.7	164.42	270.1	-316.0	745.6	717.2	28.31	26.332	
5,700.0	5,562.1	5,608.2	5,564.1	25.0	14.8	164.75	270.1	-316.0	758.1	729.5	28.55	26.550	
5,708.6	5,570.5	5,616.6	5,572.5	25.0	14.8	164.80	270.1	-316.0	760.0	731.4	28.59	26.585	
5,800.0	5,659.6	5,705.7	5,661.6	25.3	15.0	165.28	270.1	-316.0	779.3	750.3	28.97	26.900	
5,807.1	5,666.6	5,712.7	5,668.6	25.4	15.0	165.31	270.1	-316.0	780.6	751.6	29.00	26.921	
5,900.0	5,757.9	5,804.0	5,759.9	25.7	15.2	165.71	270.1	-316.0	797.2	767.8	29.37	27.147	
5,905.5	5,763.3	5,809.4	5,765.3	25.7	15.2	165.73	270.1	-316.0	798.1	768.7	29.39	27.158	
6,000.0	5,856.7	5,902.9	5,858.7	26.0	15.3	166.04	270.1	-316.0	811.8	782.1	29.74	27.299	
6,003.9	5,860.6	5,906.8	5,862.6	26.0	15.4	166.05	270.1	-316.0	812.3	782.5	29.75	27.304	
6,100.0	5,956.1	6,002.2	5,958.1	26.2	15.5	166.29	270.1	-316.0	823.1	793.0	30.08	27.361	
6,102.3	5,958.4	6,004.5	5,960.4	26.2	15.5	166.29	270.1	-316.0	823.3	793.2	30.09	27.362	
6,200.0	6,055.7	6,101.9	6,057.7	26.4	15.7	166.46	270.1	-316.0	830.9	800.6	30.40	27.337	
6,200.8	6,056.5	6,102.6	6,058.5	26.4	15.7	166.46	270.1	-316.0	831.0	800.6	30.40	27.337	
6,299.2	6,154.8	6,200.9	6,156.8	26.5	15.9	166.55	270.1	-316.0	835.4	804.8	30.68	27.232	
6,300.0	6,155.6	6,201.7	6,157.6	26.5	15.9	166.56	270.1	-316.0	835.5	804.8	30.68	27.231	
6,382.9	6,238.5	6,284.6	6,240.5	26.6	16.1	89.25	270.1	-316.0	836.6	805.7	30.93	27.052	
6,397.6	6,253.2	6,299.4	6,255.2	26.6	16.1	89.25	270.1	-316.0	836.6	805.6	30.98	27.005	
6,400.0	6,255.6	6,301.8	6,257.7	26.6	16.1	89.25	270.1	-316.0	836.6	805.6	30.99	26.998	
6,412.9	6,268.5	6,314.9	6,270.8	26.6	16.1	89.27	269.9	-316.0	836.6	805.6	31.03	26.962	
6,450.0	6,305.6	6,352.7	6,308.6	26.7	16.2	-90.89	268.1	-316.1	836.6	805.5	31.11	26.891	
6,496.0	6,351.5	6,399.6	6,355.1	26.7	16.2	-90.82	263.1	-316.1	836.6	805.4	31.20	26.810	
6,500.0	6,355.4	6,403.6	6,359.1	26.7	16.2	-90.81	262.5	-316.1	836.6	805.4	31.21	26.804	
6,550.0	6,404.8	6,454.4	6,409.0	26.7	16.3	-90.73	253.4	-316.1	836.6	805.3	31.28	26.748	
6,594.5	6,448.1	6,499.5	6,452.8	26.8	16.3	-90.65	242.3	-316.1	836.6	805.3	31.31	26.720	
6,600.0	6,453.5	6,505.1	6,458.1	26.8	16.3	-90.64	240.8	-316.2	836.6	805.2	31.31	26.718	
6,650.0	6,501.3	6,555.7	6,506.1	26.8	16.3	-90.55	224.7	-316.2	836.5	805.2	31.32	26.709	
6,692.9	6,541.4	6,599.0	6,546.2	26.8	16.3	-90.47	208.4	-316.3	836.5	805.2	31.32	26.713	
6,700.0	6,548.0	6,606.2	6,552.7	26.8	16.3	-90.46	205.4	-316.3	836.5	805.2	31.31	26.714	
6,750.0	6,593.3	6,656.6	6,597.8	26.8	16.3	-90.36	182.9	-316.4	836.5	805.2	31.30	26.725	
6,791.3	6,629.6	6,698.1	6,633.7	26.8	16.3	-90.28	162.0	-316.4	836.5	805.2	31.29	26.733	
6,800.0	6,637.0	6,706.9	6,641.1	26.8	16.3	-90.26	157.3	-316.5	836.5	805.2	31.29	26.734	
6,850.0	6,679.0	6,757.1	6,682.4	26.8	16.3	-90.17	128.8	-316.6	836.5	805.2	31.29	26.730	
6,889.7	6,710.9	6,796.9	6,713.7	26.8	16.3	-90.09	104.2	-316.7	836.5	805.2	31.32	26.712	
6,900.0	6,718.9	6,807.2	6,721.6	26.8	16.3	-90.07	97.5	-316.7	836.5	805.2	31.32	26.705	
6,933.1	6,744.2	6,840.3	6,746.2	26.8	16.3	-90.00	75.4	-316.8	836.5	805.1	31.37	26.670	
6,950.0	6,756.7	6,857.2	6,758.3	26.8	16.3	-89.97	63.7	-316.8	836.5	805.1	31.39	26.649	
6,988.2	6,783.9	6,895.3	6,784.7	26.8	16.2	-89.89	36.2	-316.9	836.5	805.0	31.47	26.577	
7,000.0	6,792.0	6,907.1	6,792.6	26.8	16.2	-89.87	27.4	-316.9	836.5	805.0	31.50	26.552	
7,050.0	6,824.8	6,956.9	6,824.2	26.8	16.2	-89.77	-11.0	-317.1	836.5	804.8	31.68	26.407	
7,086.6	6,847.2	6,993.3	6,845.6	26.8	16.3	-89.70	-40.5	-317.2	836.5	804.7	31.85	26.264	
7,100.0	6,854.9	7,006.6	6,853.0	26.8	16.3	-89.68	-51.5	-317.2	836.5	804.6	31.92	26.208	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	7,056.2	6,878.9	26.8	16.3	-89.58	-93.9	-317.4	836.5	804.3	32.23	25.952	
7,185.0	6,899.5	7,090.9	6,895.2	26.8	16.3	-89.52	-124.5	-317.5	836.5	804.0	32.51	25.733	
7,200.0	6,906.5	7,105.7	6,901.7	26.9	16.4	-89.49	-137.8	-317.5	836.5	803.9	32.63	25.636	
7,250.0	6,927.6	7,155.1	6,921.5	26.9	16.5	-89.40	-183.1	-317.7	836.6	803.4	33.11	25.264	
7,283.4	6,940.0	7,188.1	6,932.9	27.0	16.6	-89.34	-214.1	-317.8	836.6	803.1	33.49	24.980	
7,300.0	6,945.5	7,204.4	6,938.0	27.0	16.7	-89.31	-229.6	-317.9	836.6	802.9	33.68	24.838	
7,350.0	6,960.2	7,253.7	6,951.2	27.1	17.0	-89.23	-277.0	-318.1	836.6	802.3	34.33	24.367	
7,381.9	6,967.8	7,285.0	6,958.0	27.2	17.2	-89.18	-307.6	-318.2	836.6	801.8	34.80	24.040	
7,400.0	6,971.5	7,302.9	6,961.2	27.2	17.4	-89.15	-325.1	-318.2	836.6	801.5	35.07	23.857	
7,450.0	6,979.3	7,352.0	6,967.8	27.4	17.8	-89.07	-373.8	-318.4	836.6	800.7	35.88	23.318	
7,480.3	6,982.4	7,381.7	6,970.2	27.5	18.0	-89.03	-403.4	-318.5	836.6	800.2	36.41	22.976	
7,500.0	6,983.7	7,401.0	6,971.1	27.5	18.2	-89.00	-422.7	-318.6	836.6	799.9	36.76	22.759	
7,541.4	6,984.7	7,441.8	6,971.4	27.7	18.6	-88.95	-463.5	-318.7	836.6	799.1	37.55	22.282	
7,578.7	6,984.5	7,479.2	6,971.3	27.9	19.0	-88.96	-500.8	-318.9	836.6	798.3	38.32	21.834	
7,600.0	6,984.4	7,500.4	6,971.2	28.0	19.3	-88.96	-522.1	-318.9	836.6	797.9	38.76	21.587	
7,677.1	6,984.0	7,577.6	6,970.8	28.5	20.2	-88.96	-599.2	-319.2	836.6	796.2	40.48	20.666	
7,700.0	6,983.9	7,600.4	6,970.7	28.6	20.4	-88.96	-622.1	-319.3	836.6	795.7	40.99	20.409	
7,775.6	6,983.5	7,676.0	6,970.4	29.2	21.4	-88.96	-697.7	-319.6	836.6	793.8	42.84	19.532	
7,800.0	6,983.4	7,700.4	6,970.3	29.4	21.7	-88.96	-722.1	-319.7	836.6	793.2	43.43	19.264	
7,874.0	6,983.1	7,774.4	6,970.0	30.0	22.7	-88.97	-796.1	-320.0	836.6	791.3	45.38	18.435	
7,900.0	6,982.9	7,800.4	6,969.9	30.3	23.1	-88.97	-822.1	-320.0	836.6	790.6	46.07	18.161	
7,972.4	6,982.6	7,872.9	6,969.5	31.0	24.1	-88.97	-894.5	-320.3	836.6	788.5	48.10	17.393	
8,000.0	6,982.4	7,900.4	6,969.4	31.3	24.5	-88.97	-922.1	-320.4	836.6	787.8	48.88	17.117	
8,070.8	6,982.1	7,971.3	6,969.1	32.1	25.5	-88.97	-992.9	-320.7	836.6	785.7	50.97	16.415	
8,100.0	6,982.0	8,000.4	6,969.0	32.4	26.0	-88.97	-1,022.1	-320.8	836.6	784.8	51.83	16.142	
8,169.3	6,981.6	8,069.7	6,968.7	33.2	27.1	-88.98	-1,091.4	-321.0	836.6	782.7	53.96	15.506	
8,180.8	6,981.6	8,081.2	6,968.6	33.4	27.2	-88.98	-1,102.9	-321.1	836.6	782.3	54.31	15.405	
8,200.0	6,981.5	8,100.4	6,968.5	33.6	27.5	-88.98	-1,122.1	-321.1	836.6	781.7	54.90	15.239	
8,267.7	6,981.1	8,168.1	6,968.3	34.5	28.6	-88.98	-1,189.8	-321.4	836.6	779.6	57.05	14.666	
8,274.5	6,981.1	8,175.0	6,968.2	34.6	28.7	-88.98	-1,196.6	-321.4	836.6	779.4	57.26	14.610	
8,300.0	6,981.0	8,200.4	6,968.1	34.9	29.1	-88.98	-1,222.1	-321.5	836.6	778.6	58.07	14.407	
8,366.1	6,980.7	8,266.6	6,967.8	35.8	30.2	-88.98	-1,288.2	-321.8	836.6	776.4	60.23	13.892	
8,400.0	6,980.5	8,300.4	6,967.7	36.3	30.7	-88.99	-1,322.1	-321.9	836.6	775.3	61.33	13.642	
8,464.5	6,980.2	8,365.0	6,967.4	37.2	31.8	-88.99	-1,386.6	-322.1	836.6	773.2	63.48	13.180	
8,500.0	6,980.0	8,400.4	6,967.2	37.7	32.4	-88.99	-1,422.1	-322.2	836.6	772.0	64.66	12.939	
8,563.0	6,979.7	8,463.4	6,967.0	38.6	33.5	-88.99	-1,485.1	-322.5	836.6	769.9	66.80	12.525	
8,600.0	6,979.5	8,500.4	6,966.8	39.1	34.1	-88.99	-1,522.1	-322.6	836.6	768.6	68.05	12.294	
8,661.4	6,979.2	8,561.8	6,966.5	40.1	35.1	-88.99	-1,583.5	-322.8	836.6	766.5	70.17	11.924	
8,700.0	6,979.0	8,600.4	6,966.4	40.7	35.8	-89.00	-1,622.1	-323.0	836.6	765.2	71.50	11.702	
8,759.8	6,978.7	8,660.3	6,966.1	41.6	36.8	-89.00	-1,681.9	-323.2	836.6	763.1	73.58	11.370	
8,800.0	6,978.5	8,700.4	6,965.9	42.2	37.5	-89.00	-1,722.1	-323.3	836.6	761.7	74.99	11.157	
8,858.2	6,978.2	8,758.7	6,965.7	43.1	38.5	-89.00	-1,780.3	-323.6	836.6	759.6	77.04	10.859	
8,900.0	6,978.0	8,800.4	6,965.5	43.8	39.3	-89.00	-1,822.1	-323.7	836.6	758.1	78.52	10.656	
8,956.7	6,977.8	8,857.1	6,965.2	44.7	40.3	-89.00	-1,878.8	-323.9	836.6	756.1	80.54	10.388	
9,000.0	6,977.5	8,900.4	6,965.0	45.4	41.0	-89.01	-1,922.1	-324.1	836.6	754.6	82.08	10.193	
9,055.1	6,977.3	8,955.5	6,964.8	46.3	42.0	-89.01	-1,977.2	-324.3	836.6	752.6	84.06	9.953	
9,100.0	6,977.1	9,000.4	6,964.6	47.1	42.8	-89.01	-2,022.1	-324.4	836.6	751.0	85.68	9.765	
9,153.5	6,976.8	9,054.0	6,964.4	48.0	43.8	-89.01	-2,075.6	-324.6	836.7	749.0	87.62	9.549	
9,200.0	6,976.6	9,100.4	6,964.2	48.8	44.6	-89.01	-2,122.1	-324.8	836.7	747.4	89.30	9.369	
9,251.9	6,976.3	9,152.4	6,963.9	49.7	45.5	-89.02	-2,174.0	-325.0	836.7	745.5	91.19	9.175	
9,300.0	6,976.1	9,200.4	6,963.7	50.5	46.4	-89.02	-2,222.1	-325.2	836.7	743.7	92.94	9.002	
9,350.4	6,975.8	9,250.8	6,963.5	51.3	47.3	-89.02	-2,272.4	-325.4	836.7	741.9	94.79	8.826	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWDD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,400.0	6,975.6	9,300.4	6,963.3	52.2	48.2	-89.02	-2,322.1	-325.5	836.7	740.0	96.61	8.660	
9,448.8	6,975.3	9,349.2	6,963.1	53.1	49.1	-89.02	-2,370.9	-325.7	836.7	738.2	98.41	8.502	
9,500.0	6,975.1	9,400.4	6,962.8	54.0	50.0	-89.02	-2,422.1	-325.9	836.7	736.4	100.29	8.342	
9,547.2	6,974.9	9,447.7	6,962.6	54.8	50.9	-89.03	-2,469.3	-326.1	836.7	734.6	102.04	8.199	
9,600.0	6,974.6	9,500.4	6,962.4	55.7	51.8	-89.03	-2,522.1	-326.3	836.7	732.7	104.00	8.045	
9,645.6	6,974.4	9,546.1	6,962.2	56.5	52.7	-89.03	-2,567.7	-326.4	836.7	731.0	105.69	7.916	
9,700.0	6,974.1	9,600.4	6,962.0	57.5	53.7	-89.03	-2,622.1	-326.6	836.7	728.9	107.71	7.768	
9,744.1	6,973.9	9,644.5	6,961.8	58.3	54.5	-89.03	-2,666.1	-326.8	836.7	727.3	109.36	7.651	
9,800.0	6,973.6	9,700.4	6,961.5	59.3	55.5	-89.03	-2,722.1	-327.0	836.7	725.2	111.44	7.508	
9,842.5	6,973.4	9,742.9	6,961.3	60.0	56.3	-89.04	-2,764.6	-327.2	836.7	723.6	113.03	7.402	
9,900.0	6,973.1	9,800.4	6,961.1	61.1	57.3	-89.04	-2,822.1	-327.4	836.7	721.5	115.18	7.264	
9,940.9	6,972.9	9,841.4	6,960.9	61.8	58.1	-89.04	-2,863.0	-327.5	836.7	719.9	116.72	7.168	
10,000.0	6,972.6	9,900.4	6,960.6	62.9	59.2	-89.04	-2,922.1	-327.7	836.7	717.7	118.93	7.035	
10,039.3	6,972.4	9,939.8	6,960.5	63.6	59.9	-89.04	-2,961.4	-327.9	836.7	716.2	120.42	6.948	
10,100.0	6,972.1	10,000.4	6,960.2	64.7	61.0	-89.04	-3,022.1	-328.1	836.7	714.0	122.70	6.819	
10,137.8	6,972.0	10,038.2	6,960.0	65.4	61.7	-89.05	-3,059.8	-328.2	836.7	712.5	124.12	6.741	
10,200.0	6,971.6	10,100.4	6,959.7	66.6	62.9	-89.05	-3,122.1	-328.5	836.7	710.2	126.47	6.616	
10,236.2	6,971.5	10,136.6	6,959.6	67.2	63.6	-89.05	-3,158.3	-328.6	836.7	708.8	127.84	6.545	
10,300.0	6,971.2	10,200.4	6,959.3	68.4	64.7	-89.05	-3,222.1	-328.8	836.7	706.4	130.25	6.424	
10,334.6	6,971.0	10,235.1	6,959.2	69.0	65.4	-89.05	-3,256.7	-329.0	836.7	705.1	131.56	6.360	
10,400.0	6,970.7	10,300.4	6,958.9	70.2	66.6	-89.05	-3,322.1	-329.2	836.7	702.6	134.04	6.242	
10,433.0	6,970.5	10,333.5	6,958.7	70.9	67.2	-89.06	-3,355.1	-329.3	836.7	701.4	135.29	6.184	
10,500.0	6,970.2	10,400.4	6,958.4	72.1	68.5	-89.06	-3,422.1	-329.6	836.7	698.8	137.83	6.070	
10,531.5	6,970.0	10,431.9	6,958.3	72.7	69.1	-89.06	-3,453.5	-329.7	836.7	697.6	139.03	6.018	
10,600.0	6,969.7	10,500.4	6,958.0	74.0	70.3	-89.06	-3,522.0	-329.9	836.7	695.0	141.63	5.907	
10,629.9	6,969.5	10,530.3	6,957.8	74.5	70.9	-89.06	-3,551.9	-330.1	836.7	693.9	142.77	5.860	
10,700.0	6,969.2	10,600.4	6,957.5	75.8	72.2	-89.07	-3,622.0	-330.3	836.7	691.2	145.44	5.753	
10,728.3	6,969.0	10,628.8	6,957.4	76.4	72.7	-89.07	-3,650.4	-330.4	836.7	690.2	146.52	5.710	
10,800.0	6,968.7	10,700.4	6,957.1	77.7	74.1	-89.07	-3,722.0	-330.7	836.7	687.4	149.25	5.606	
10,826.7	6,968.6	10,727.2	6,957.0	78.2	74.6	-89.07	-3,748.8	-330.8	836.7	686.4	150.27	5.568	
10,900.0	6,968.2	10,800.4	6,956.6	79.6	76.0	-89.07	-3,822.0	-331.0	836.7	683.6	153.06	5.466	
10,925.2	6,968.1	10,825.6	6,956.5	80.1	76.4	-89.07	-3,847.2	-331.1	836.7	682.7	154.03	5.432	
11,000.0	6,967.7	10,900.4	6,956.2	81.5	77.8	-89.08	-3,922.0	-331.4	836.7	679.8	156.89	5.333	
11,023.6	6,967.6	10,924.0	6,956.1	81.9	78.3	-89.08	-3,945.6	-331.5	836.7	678.9	157.79	5.303	
11,100.0	6,967.2	11,000.4	6,955.8	83.4	79.7	-89.08	-4,022.0	-331.8	836.7	676.0	160.71	5.206	
11,122.0	6,967.1	11,022.5	6,955.7	83.8	80.1	-89.08	-4,044.1	-331.9	836.7	675.1	161.56	5.179	
11,200.0	6,966.7	11,100.4	6,955.3	85.3	81.6	-89.08	-4,122.0	-332.1	836.7	672.1	164.54	5.085	
11,220.4	6,966.6	11,120.9	6,955.2	85.7	82.0	-89.08	-4,142.5	-332.2	836.7	671.4	165.33	5.061	
11,300.0	6,966.2	11,200.4	6,954.9	87.2	83.5	-89.09	-4,222.0	-332.5	836.7	668.3	168.38	4.969	
11,318.9	6,966.1	11,219.3	6,954.8	87.5	83.8	-89.09	-4,240.9	-332.6	836.7	667.6	169.10	4.948	
11,400.0	6,965.7	11,300.4	6,954.4	89.1	85.4	-89.09	-4,322.0	-332.9	836.7	664.5	172.21	4.859	
11,417.3	6,965.6	11,317.7	6,954.4	89.4	85.7	-89.09	-4,339.3	-332.9	836.7	663.8	172.88	4.840	
11,500.0	6,965.2	11,400.4	6,954.0	91.0	87.3	-89.09	-4,422.0	-333.2	836.7	660.6	176.05	4.753	
11,515.7	6,965.2	11,416.2	6,953.9	91.3	87.5	-89.09	-4,437.8	-333.3	836.7	660.0	176.66	4.736	
11,600.0	6,964.7	11,500.4	6,953.5	92.9	89.1	-89.10	-4,522.0	-333.6	836.7	656.8	179.90	4.651	
11,614.1	6,964.7	11,514.6	6,953.5	93.2	89.4	-89.10	-4,536.2	-333.7	836.7	656.3	180.44	4.637	
11,700.0	6,964.3	11,600.4	6,953.1	94.8	91.0	-89.10	-4,622.0	-334.0	836.7	653.0	183.74	4.554	
11,712.6	6,964.2	11,613.0	6,953.0	95.1	91.3	-89.10	-4,634.6	-334.0	836.7	652.5	184.23	4.542	
11,800.0	6,963.8	11,700.4	6,952.6	96.7	92.9	-89.10	-4,722.0	-334.3	836.7	649.1	187.59	4.460	
11,811.0	6,963.7	11,711.4	6,952.6	97.0	93.1	-89.10	-4,733.0	-334.4	836.7	648.7	188.02	4.450	
11,900.0	6,963.3	11,800.4	6,952.2	98.7	94.8	-89.11	-4,822.0	-334.7	836.7	645.3	191.44	4.371	
11,909.4	6,963.2	11,809.9	6,952.2	98.9	95.0	-89.11	-4,831.5	-334.7	836.7	644.9	191.81	4.362	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,000.0	6,962.8	11,900.4	6,951.8	100.6	96.7	-89.11	-4,922.0	-335.1	836.7	641.4	195.30	4.284	
12,007.8	6,962.7	11,908.3	6,951.7	100.7	96.8	-89.11	-4,929.9	-335.1	836.7	641.1	195.60	4.278	
12,100.0	6,962.3	12,000.4	6,951.3	102.5	98.6	-89.11	-5,022.0	-335.4	836.7	637.6	199.15	4.201	
12,106.3	6,962.2	12,006.7	6,951.3	102.6	98.7	-89.11	-5,028.3	-335.5	836.7	637.3	199.40	4.196	
12,200.0	6,961.8	12,100.4	6,950.9	104.5	100.5	-89.12	-5,122.0	-335.8	836.7	633.7	203.01	4.122	
12,204.7	6,961.8	12,105.1	6,950.8	104.5	100.6	-89.12	-5,126.7	-335.8	836.7	633.5	203.19	4.118	
12,300.0	6,961.3	12,200.4	6,950.4	106.4	102.4	-89.12	-5,222.0	-336.2	836.7	629.9	206.87	4.045	
12,303.1	6,961.3	12,203.6	6,950.4	106.4	102.4	-89.12	-5,225.1	-336.2	836.7	629.7	206.99	4.042	
12,400.0	6,960.8	12,300.4	6,950.0	108.3	104.3	-89.12	-5,322.0	-336.5	836.7	626.0	210.73	3.971	
12,401.5	6,960.8	12,302.0	6,950.0	108.3	104.3	-89.12	-5,323.6	-336.5	836.7	625.9	210.79	3.969	
12,500.0	6,960.3	12,400.4	6,949.5	110.3	106.2	-89.13	-5,422.0	-336.9	836.7	622.1	214.60	3.899	
12,598.4	6,959.8	12,498.8	6,949.1	112.2	108.0	-89.13	-5,520.4	-337.3	836.7	618.3	218.40	3.831	
12,600.0	6,959.8	12,500.4	6,949.1	112.2	108.1	-89.13	-5,522.0	-337.3	836.7	618.3	218.46	3.830	
12,696.8	6,959.3	12,597.3	6,948.6	114.1	109.9	-89.13	-5,618.8	-337.6	836.7	614.5	222.21	3.766	
12,700.0	6,959.3	12,600.4	6,948.6	114.1	110.0	-89.13	-5,622.0	-337.6	836.7	614.4	222.33	3.764	
12,795.2	6,958.8	12,695.7	6,948.2	116.0	111.8	-89.14	-5,717.3	-338.0	836.8	610.7	226.02	3.702	
12,800.0	6,958.8	12,700.4	6,948.2	116.1	111.9	-89.14	-5,722.0	-338.0	836.8	610.6	226.20	3.699	
12,893.7	6,958.3	12,794.1	6,947.8	117.9	113.7	-89.14	-5,815.7	-338.4	836.8	606.9	229.83	3.641	
12,900.0	6,958.3	12,800.4	6,947.7	118.0	113.8	-89.14	-5,822.0	-338.4	836.8	606.7	230.07	3.637	
12,992.1	6,957.9	12,892.5	6,947.3	119.8	115.5	-89.14	-5,914.1	-338.7	836.8	603.1	233.64	3.581	
13,000.0	6,957.8	12,900.4	6,947.3	120.0	115.7	-89.14	-5,922.0	-338.7	836.8	602.8	233.94	3.577	
13,090.5	6,957.4	12,991.0	6,946.9	121.7	117.4	-89.14	-6,012.5	-339.1	836.8	599.3	237.45	3.524	
13,100.0	6,957.3	13,000.4	6,946.8	121.9	117.6	-89.15	-6,022.0	-339.1	836.8	599.0	237.82	3.519	
13,188.9	6,956.9	13,089.4	6,946.4	123.6	119.3	-89.15	-6,111.0	-339.4	836.8	595.5	241.26	3.468	
13,200.0	6,956.8	13,100.4	6,946.4	123.9	119.5	-89.15	-6,122.0	-339.5	836.8	595.1	241.69	3.462	
13,287.4	6,956.4	13,187.8	6,946.0	125.6	121.1	-89.15	-6,209.4	-339.8	836.8	591.7	245.08	3.414	
13,300.0	6,956.3	13,200.4	6,945.9	125.8	121.4	-89.15	-6,222.0	-339.8	836.8	591.2	245.56	3.408	
13,385.8	6,955.9	13,286.2	6,945.6	127.5	123.0	-89.15	-6,307.8	-340.2	836.8	587.9	248.89	3.362	
13,400.0	6,955.8	13,300.4	6,945.5	127.8	123.3	-89.15	-6,322.0	-340.2	836.8	587.3	249.44	3.355	
13,484.2	6,955.4	13,384.7	6,945.1	129.4	124.9	-89.16	-6,406.2	-340.5	836.8	584.1	252.71	3.311	
13,500.0	6,955.3	13,400.4	6,945.0	129.7	125.2	-89.16	-6,422.0	-340.6	836.8	583.5	253.32	3.303	
13,582.6	6,954.9	13,483.1	6,944.7	131.3	126.8	-89.16	-6,504.7	-340.9	836.8	580.3	256.52	3.262	
13,600.0	6,954.8	13,500.4	6,944.6	131.7	127.1	-89.16	-6,522.0	-340.9	836.8	579.6	257.20	3.254	
13,681.1	6,954.4	13,581.5	6,944.2	133.2	128.6	-89.16	-6,603.1	-341.2	836.8	576.5	260.34	3.214	
13,700.0	6,954.3	13,600.4	6,944.1	133.6	129.0	-89.16	-6,622.0	-341.3	836.8	575.7	261.08	3.205	
13,779.5	6,953.9	13,679.9	6,943.8	135.2	130.5	-89.17	-6,701.5	-341.6	836.8	572.6	264.16	3.168	
13,800.0	6,953.8	13,700.4	6,943.7	135.6	130.9	-89.17	-6,722.0	-341.7	836.8	571.8	264.96	3.158	
13,877.9	6,953.5	13,778.4	6,943.3	137.1	132.4	-89.17	-6,799.9	-342.0	836.8	568.8	267.98	3.123	
13,900.0	6,953.3	13,800.4	6,943.2	137.5	132.8	-89.17	-6,822.0	-342.0	836.8	568.0	268.84	3.113	
13,976.3	6,953.0	13,876.8	6,942.9	139.0	134.3	-89.17	-6,898.3	-342.3	836.8	565.0	271.80	3.079	
14,000.0	6,952.8	13,900.4	6,942.8	139.5	134.7	-89.17	-6,922.0	-342.4	836.8	564.1	272.72	3.068	
14,074.8	6,952.5	13,975.2	6,942.5	140.9	136.1	-89.18	-6,996.8	-342.7	836.8	561.2	275.62	3.036	
14,100.0	6,952.4	14,000.4	6,942.3	141.4	136.6	-89.18	-7,022.0	-342.8	836.8	560.2	276.60	3.025	
14,170.4	6,952.0	14,070.8	6,942.0	142.8	138.0	-89.18	-7,092.4	-343.0	836.8	557.6	279.28	2.996 SF	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	5.0	5.0	0.0	0.0	90.00	0.0	150.6	150.6				
98.4	98.4	103.4	103.4	0.1	0.1	90.00	0.0	150.6	150.6	150.4	0.20	751.512	
100.0	100.0	105.0	105.0	0.1	0.1	90.00	0.0	150.6	150.6	150.4	0.21	732.109	
196.8	196.8	201.8	201.8	0.3	0.3	90.00	0.0	150.6	150.6	149.9	0.64	234.881	
200.0	200.0	205.0	205.0	0.3	0.3	90.00	0.0	150.6	150.6	149.9	0.66	229.804	
295.3	295.3	300.3	300.3	0.5	0.5	90.00	0.0	150.6	150.6	149.5	1.08	138.965	
300.0	300.0	305.0	305.0	0.5	0.6	90.00	0.0	150.6	150.6	149.5	1.10	136.293	
393.7	393.7	398.7	398.7	0.8	0.8	90.00	0.0	150.6	150.6	149.0	1.53	98.671	
400.0	400.0	405.0	405.0	0.8	0.8	90.00	0.0	150.6	150.6	149.0	1.55	96.873	
492.1	492.1	497.1	497.1	1.0	1.0	90.00	0.0	150.6	150.6	148.6	1.97	76.492	
500.0	500.0	505.0	505.0	1.0	1.0	90.00	0.0	150.6	150.6	148.6	2.00	75.141	
590.5	590.5	595.5	595.5	1.2	1.2	90.00	0.0	150.6	150.6	148.2	2.41	62.454	
600.0	600.0	605.0	605.0	1.2	1.2	90.00	0.0	150.6	150.6	148.1	2.45	61.372	
689.0	689.0	694.0	694.0	1.4	1.4	90.00	0.0	150.6	150.6	147.7	2.85	52.769	
700.0	700.0	705.0	705.0	1.4	1.5	90.00	0.0	150.6	150.6	147.7	2.90	51.868	
787.4	787.4	792.4	792.4	1.6	1.7	90.00	0.0	150.6	150.6	147.3	3.30	45.685	
800.0	800.0	805.0	805.0	1.7	1.7	90.00	0.0	150.6	150.6	147.2	3.35	44.913	
885.8	885.8	890.8	890.8	1.9	1.9	90.00	0.0	150.6	150.6	146.8	3.74	40.278	
900.0	900.0	905.0	905.0	1.9	1.9	90.00	0.0	150.6	150.6	146.8	3.80	39.603	
984.2	984.2	989.2	989.2	2.1	2.1	90.00	0.0	150.6	150.6	146.4	4.18	36.015	
1,000.0	1,000.0	1,005.0	1,005.0	2.1	2.1	90.00	0.0	150.6	150.6	146.3	4.25	35.415 CC, ES	
1,082.7	1,082.7	1,087.7	1,087.7	2.3	2.3	167.42	0.0	150.6	151.7	147.1	4.61	32.886	
1,100.0	1,100.0	1,104.8	1,104.8	2.3	2.4	167.46	0.0	150.6	152.3	147.6	4.69	32.478	
1,181.1	1,181.0	1,182.0	1,182.0	2.5	2.5	167.54	0.5	151.6	157.2	152.2	5.02	31.311	
1,200.0	1,199.8	1,200.0	1,200.0	2.5	2.6	167.53	0.8	152.1	159.0	153.9	5.10	31.180	
1,279.5	1,279.1	1,275.0	1,274.9	2.7	2.7	167.38	2.5	155.3	168.9	163.4	5.42	31.129	
1,300.0	1,299.5	1,294.3	1,294.1	2.8	2.8	167.32	3.0	156.4	172.0	166.5	5.51	31.237	
1,377.9	1,376.9	1,366.8	1,366.4	3.0	2.9	167.00	5.7	161.6	186.5	180.7	5.83	32.009	
1,400.0	1,398.7	1,387.2	1,386.7	3.0	3.0	166.89	6.6	163.3	191.3	185.4	5.92	32.333	
1,476.4	1,474.2	1,456.8	1,455.9	3.2	3.1	166.47	10.2	170.3	210.1	203.9	6.23	33.728	
1,500.0	1,497.5	1,478.1	1,477.0	3.3	3.2	166.33	11.5	172.7	216.7	210.3	6.33	34.251	
1,574.8	1,571.0	1,544.6	1,542.8	3.5	3.4	165.88	15.9	181.1	239.5	232.9	6.63	36.112	
1,600.0	1,595.6	1,566.6	1,564.6	3.6	3.4	165.72	17.5	184.2	248.0	241.2	6.73	36.819	
1,673.2	1,667.0	1,629.7	1,626.7	3.9	3.6	165.26	22.5	193.9	274.6	267.5	7.04	39.022	
1,700.0	1,693.1	1,652.3	1,648.9	4.0	3.7	165.10	24.5	197.7	285.0	277.9	7.14	39.895	
1,735.7	1,727.6	1,682.1	1,678.1	4.1	3.8	164.88	27.2	202.9	299.6	292.3	7.29	41.096	
1,771.6	1,762.4	1,713.0	1,708.4	4.3	3.9	164.73	30.1	208.5	314.8	307.3	7.45	42.237	
1,800.0	1,789.8	1,738.7	1,733.5	4.4	4.0	164.61	32.5	213.3	326.8	319.2	7.58	43.093	
1,870.1	1,857.6	1,802.2	1,795.6	4.7	4.2	164.36	38.6	225.0	356.5	348.6	7.91	45.047	
1,900.0	1,886.6	1,829.3	1,822.1	4.8	4.3	164.27	41.2	230.0	369.1	361.1	8.05	45.853	
1,968.5	1,952.8	1,891.3	1,882.7	5.2	4.5	164.07	47.2	241.4	398.2	389.8	8.37	47.567	
2,000.0	1,983.3	1,919.8	1,910.7	5.3	4.6	163.99	49.9	246.7	411.5	403.0	8.52	48.276	
2,066.9	2,048.0	1,980.4	1,969.9	5.6	4.8	163.83	55.7	257.9	439.9	431.0	8.85	49.698	
2,100.0	2,080.0	2,010.4	1,999.2	5.8	4.9	163.76	58.6	263.4	453.9	444.9	9.01	50.361	
2,165.3	2,143.2	2,069.6	2,057.1	6.1	5.2	163.64	64.2	274.3	481.6	472.2	9.34	51.583	
2,200.0	2,176.7	2,101.0	2,087.8	6.3	5.3	163.58	67.3	280.1	496.2	486.7	9.51	52.200	
2,263.8	2,238.4	2,158.7	2,144.3	6.6	5.5	163.48	72.8	290.8	523.3	513.4	9.83	53.246	
2,300.0	2,273.4	2,191.5	2,176.4	6.8	5.7	163.42	75.9	296.8	538.6	528.6	10.01	53.811	
2,362.2	2,333.6	2,247.9	2,231.5	7.1	5.9	163.34	81.3	307.2	565.0	554.7	10.33	54.713	
2,400.0	2,370.2	2,282.1	2,265.0	7.3	6.0	163.29	84.6	313.6	581.0	570.5	10.52	55.233	
2,460.6	2,428.8	2,337.0	2,318.7	7.6	6.2	163.21	89.9	323.7	606.7	595.9	10.83	56.015	
2,500.0	2,466.9	2,372.7	2,353.6	7.8	6.4	163.17	93.3	330.3	623.4	612.4	11.03	56.496	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,559.0	2,524.0	2,426.2	2,405.9	8.1	6.6	163.11	98.4	340.1	648.4	637.1	11.34	57.176	
2,600.0	2,563.6	2,463.2	2,442.2	8.3	6.8	163.07	102.0	347.0	665.8	654.2	11.55	57.622	
2,657.5	2,619.2	2,515.3	2,493.1	8.6	7.0	163.02	106.9	356.6	690.1	678.3	11.86	58.214	
2,700.0	2,660.3	2,553.8	2,530.8	8.8	7.2	162.98	110.6	363.7	708.2	696.1	12.08	58.629	
2,755.9	2,714.4	2,604.4	2,580.3	9.1	7.4	162.94	115.5	373.0	731.9	719.5	12.37	59.148	
2,800.0	2,757.0	2,644.4	2,619.4	9.4	7.5	162.90	119.3	380.4	750.5	737.9	12.61	59.536	
2,854.3	2,809.6	2,693.6	2,667.5	9.6	7.7	162.86	124.0	389.5	773.6	760.7	12.89	59.990	
2,900.0	2,853.8	2,734.9	2,707.9	9.9	7.9	162.83	128.0	397.1	792.9	779.8	13.14	60.353	
2,952.7	2,904.8	2,782.7	2,754.7	10.2	8.1	162.80	132.6	405.9	815.3	801.9	13.42	60.753	
3,000.0	2,950.5	2,825.5	2,796.5	10.4	8.3	162.77	136.7	413.8	835.3	821.6	13.67	61.094	
3,051.2	3,000.0	2,871.9	2,841.9	10.7	8.5	162.74	141.1	422.4	857.0	843.1	13.95	61.446	
3,100.0	3,047.2	2,916.1	2,885.1	10.9	8.7	162.71	145.3	430.5	877.7	863.5	14.21	61.768	
3,149.6	3,095.2	2,961.0	2,929.1	11.2	8.9	162.68	149.6	438.8	898.7	884.3	14.48	62.079	
3,200.0	3,143.9	3,006.6	2,973.7	11.5	9.1	162.66	154.0	447.3	920.1	905.4	14.75	62.382	
3,248.0	3,190.4	3,050.1	3,016.3	11.7	9.3	162.64	158.2	455.3	940.5	925.5	15.01	62.657	
3,300.0	3,240.6	3,097.2	3,062.3	12.0	9.5	162.61	162.7	464.0	962.5	947.2	15.29	62.945	
3,346.4	3,285.6	3,139.3	3,103.4	12.3	9.7	162.59	166.7	471.7	982.2	966.6	15.54	63.189	
3,400.0	3,337.4	3,187.8	3,150.9	12.5	9.9	162.57	171.4	480.7	1,004.9	989.1	15.83	63.460	
3,444.9	3,380.8	3,228.4	3,190.6	12.8	10.1	162.55	175.3	488.2	1,023.9	1,007.8	16.08	63.677	
3,500.0	3,434.1	3,278.3	3,239.5	13.1	10.3	162.53	180.0	497.4	1,047.3	1,030.9	16.38	63.935	
3,543.3	3,476.0	3,317.6	3,277.8	13.3	10.5	162.51	183.8	504.6	1,065.6	1,049.0	16.62	64.128	
3,600.0	3,530.8	3,368.9	3,328.1	13.6	10.7	162.49	188.7	514.1	1,089.7	1,072.7	16.93	64.373	
3,641.7	3,571.2	3,406.7	3,365.0	13.8	10.9	162.48	192.3	521.1	1,107.4	1,090.2	17.16	64.546	
3,700.0	3,627.5	3,459.5	3,416.7	14.2	11.1	162.46	197.4	530.8	1,132.1	1,114.6	17.48	64.778	
3,740.1	3,666.4	3,495.8	3,452.2	14.4	11.3	162.44	200.9	537.5	1,149.1	1,131.4	17.70	64.932	
3,800.0	3,724.2	3,550.1	3,505.2	14.7	11.5	162.43	206.1	547.5	1,174.5	1,156.4	18.03	65.153	
3,838.6	3,761.6	3,585.0	3,539.4	14.9	11.6	162.41	209.4	554.0	1,190.8	1,172.6	18.24	65.291	
3,900.0	3,821.0	3,640.6	3,593.8	15.2	11.9	162.40	214.7	564.3	1,216.9	1,198.3	18.58	65.502	
3,937.0	3,856.8	3,674.1	3,626.6	15.4	12.0	162.39	217.9	570.4	1,232.5	1,213.8	18.78	65.625	
4,000.0	3,917.7	3,731.2	3,682.4	15.8	12.3	162.37	223.4	581.0	1,259.2	1,240.1	19.13	65.827	
4,035.4	3,951.9	3,763.3	3,713.8	16.0	12.4	162.36	226.5	586.9	1,274.3	1,254.9	19.33	65.937	
4,100.0	4,014.4	3,821.8	3,771.0	16.3	12.7	162.34	232.1	597.7	1,301.6	1,282.0	19.68	66.131	
4,133.8	4,047.1	3,852.4	3,801.0	16.5	12.8	162.34	235.0	603.3	1,316.0	1,296.1	19.87	66.229	
4,200.0	4,111.1	3,912.3	3,859.6	16.9	13.1	162.32	240.8	614.4	1,344.0	1,323.8	20.24	66.414	
4,232.3	4,142.3	3,941.6	3,888.2	17.0	13.2	162.31	243.6	619.8	1,357.7	1,337.3	20.42	66.502	
4,300.0	4,207.8	4,002.9	3,948.2	17.4	13.5	162.30	249.4	631.1	1,386.4	1,365.6	20.79	66.680	
4,330.7	4,237.5	4,030.7	3,975.4	17.6	13.6	162.29	252.1	636.2	1,399.4	1,378.5	20.96	66.758	
4,400.0	4,304.6	4,114.2	4,057.1	17.9	14.0	162.28	259.9	651.3	1,428.6	1,407.3	21.39	66.793	
4,429.1	4,332.7	4,163.5	4,105.6	18.1	14.1	162.29	264.1	659.4	1,440.4	1,418.8	21.59	66.726	
4,500.0	4,401.3	4,286.4	4,227.0	18.5	14.5	162.37	272.9	676.2	1,467.2	1,445.1	22.06	66.506	
4,527.5	4,427.9	4,335.1	4,275.4	18.6	14.6	162.43	275.7	681.6	1,476.9	1,454.7	22.24	66.404	
4,600.0	4,498.0	4,466.0	4,405.6	19.0	14.9	162.64	281.3	692.5	1,500.5	1,477.8	22.71	66.084	
4,626.0	4,523.1	4,513.7	4,453.3	19.2	15.0	162.73	282.7	695.1	1,508.3	1,485.4	22.87	65.953	
4,700.0	4,594.7	4,652.0	4,591.5	19.6	15.2	163.07	284.6	698.8	1,528.3	1,504.9	23.32	65.544	
4,724.4	4,618.3	4,683.9	4,623.3	19.7	15.2	163.16	284.6	698.9	1,534.2	1,510.8	23.44	65.450	
4,800.0	4,691.5	4,757.0	4,696.5	20.1	15.3	163.37	284.6	698.9	1,552.7	1,528.9	23.80	65.240	
4,822.8	4,713.5	4,779.1	4,718.5	20.2	15.4	163.43	284.6	698.9	1,558.2	1,534.3	23.91	65.177	
4,900.0	4,788.2	4,853.7	4,793.2	20.7	15.5	163.63	284.6	698.9	1,577.1	1,552.8	24.28	64.965	
4,921.2	4,808.7	4,874.3	4,813.7	20.8	15.5	163.69	284.6	698.9	1,582.3	1,557.9	24.38	64.908	
5,000.0	4,884.9	4,950.4	4,889.9	21.2	15.6	163.89	284.6	698.9	1,601.5	1,576.8	24.75	64.702	
5,019.7	4,903.9	4,969.4	4,908.9	21.3	15.7	163.94	284.6	698.9	1,606.3	1,581.5	24.85	64.651	
5,100.0	4,981.6	5,047.1	4,986.6	21.8	15.8	164.13	284.6	698.9	1,626.0	1,600.8	25.23	64.449	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,118.1	4,999.1	5,064.6	5,004.1	21.8	15.8	164.18	284.6	698.9	1,630.4	1,605.1	25.32	64.404	
5,200.0	5,078.3	5,143.9	5,083.3	22.3	15.9	164.37	284.6	698.9	1,650.5	1,624.8	25.71	64.205	
5,216.5	5,094.3	5,159.8	5,099.3	22.4	15.9	164.41	284.6	698.9	1,654.6	1,628.8	25.79	64.166	
5,300.0	5,175.1	5,240.6	5,180.1	22.8	16.1	164.61	284.6	698.9	1,675.0	1,648.9	26.18	63.971	
5,314.9	5,189.5	5,255.0	5,194.5	22.9	16.1	164.64	284.6	698.9	1,678.7	1,652.5	26.26	63.937	
5,400.0	5,271.8	5,337.3	5,276.8	23.4	16.2	164.83	284.6	698.9	1,699.6	1,672.9	26.66	63.746	
5,413.4	5,284.7	5,350.2	5,289.7	23.5	16.2	164.86	284.6	698.9	1,702.9	1,676.2	26.73	63.717	
5,500.0	5,368.5	5,434.0	5,373.5	23.9	16.4	165.05	284.6	698.9	1,724.2	1,697.0	27.14	63.529	
5,511.8	5,379.9	5,445.4	5,384.9	24.0	16.4	165.08	284.6	698.9	1,727.1	1,699.9	27.20	63.504	
5,600.0	5,465.2	5,530.7	5,470.2	24.5	16.5	165.27	284.6	698.9	1,748.8	1,721.2	27.62	63.320	
5,610.2	5,475.1	5,540.6	5,480.1	24.5	16.5	165.29	284.6	698.9	1,751.3	1,723.6	27.67	63.299	
5,647.2	5,510.9	5,576.4	5,515.9	24.7	16.6	165.37	284.6	698.9	1,760.4	1,732.6	27.84	63.224	
5,700.0	5,562.1	5,627.6	5,567.1	25.0	16.7	165.54	284.6	698.9	1,773.0	1,744.8	28.16	62.964	
5,708.6	5,570.5	5,636.0	5,575.5	25.0	16.7	165.56	284.6	698.9	1,774.9	1,746.7	28.21	62.926	
5,800.0	5,659.6	5,725.1	5,664.6	25.3	16.8	165.82	284.6	698.9	1,794.2	1,765.5	28.71	62.503	
5,807.1	5,666.6	5,732.1	5,671.6	25.4	16.8	165.84	284.6	698.9	1,795.6	1,766.9	28.74	62.471	
5,900.0	5,757.9	5,823.4	5,762.9	25.7	17.0	166.05	284.6	698.9	1,812.2	1,783.0	29.22	62.026	
5,905.5	5,763.3	5,828.8	5,768.3	25.7	17.0	166.06	284.6	698.9	1,813.1	1,783.8	29.24	62.000	
6,000.0	5,856.7	5,922.3	5,861.7	26.0	17.1	166.24	284.6	698.9	1,826.8	1,797.1	29.69	61.534	
6,003.9	5,860.6	5,926.2	5,865.6	26.0	17.2	166.24	284.6	698.9	1,827.3	1,797.6	29.71	61.514	
6,100.0	5,956.1	6,021.6	5,961.1	26.2	17.3	166.37	284.6	698.9	1,838.1	1,807.9	30.12	61.025	
6,102.3	5,958.4	6,023.9	5,963.4	26.2	17.3	166.38	284.6	698.9	1,838.3	1,808.2	30.13	61.013	
6,200.0	6,055.7	6,121.3	6,060.7	26.4	17.5	166.47	284.6	698.9	1,846.0	1,815.5	30.51	60.501	
6,200.8	6,056.5	6,122.0	6,061.5	26.4	17.5	166.47	284.6	698.9	1,846.0	1,815.5	30.51	60.497	
6,299.2	6,154.8	6,220.3	6,159.8	26.5	17.6	166.53	284.6	698.9	1,850.4	1,819.6	30.86	59.964	
6,300.0	6,155.6	6,221.1	6,160.6	26.5	17.6	166.53	284.6	698.9	1,850.5	1,819.6	30.86	59.960	
6,382.9	6,238.5	6,304.0	6,243.5	26.6	17.8	89.21	284.6	698.9	1,851.6	1,820.5	31.14	59.471	
6,397.6	6,253.2	6,318.8	6,258.2	26.6	17.8	89.21	284.6	698.9	1,851.6	1,820.5	31.19	59.370	
6,400.0	6,255.6	6,321.1	6,260.6	26.6	17.8	89.21	284.6	698.9	1,851.6	1,820.4	31.20	59.354	
6,412.9	6,268.5	6,334.0	6,273.5	26.6	17.8	89.21	284.6	698.9	1,851.6	1,820.4	31.24	59.264	
6,450.0	6,305.6	6,371.6	6,311.1	26.7	17.9	-91.02	284.5	698.9	1,851.7	1,820.3	31.36	59.041	
6,496.0	6,351.5	6,419.9	6,359.3	26.7	18.0	-91.07	282.2	698.9	1,851.7	1,820.2	31.49	58.805	
6,500.0	6,355.4	6,424.1	6,363.5	26.7	18.0	-91.08	281.8	698.9	1,851.7	1,820.2	31.50	58.788	
6,550.0	6,404.8	6,476.7	6,415.6	26.7	18.0	-91.13	275.3	698.8	1,851.7	1,820.1	31.59	58.612	
6,594.5	6,448.1	6,523.5	6,461.6	26.8	18.0	-91.17	266.2	698.8	1,851.7	1,820.1	31.65	58.513	
6,600.0	6,453.5	6,529.4	6,467.3	26.8	18.0	-91.17	264.9	698.8	1,851.7	1,820.1	31.65	58.502	
6,650.0	6,501.3	6,582.2	6,518.2	26.8	18.0	-91.21	250.7	698.7	1,851.8	1,820.1	31.68	58.447	
6,692.9	6,541.4	6,627.6	6,560.9	26.8	18.0	-91.23	235.5	698.7	1,851.8	1,820.1	31.69	58.434	
6,700.0	6,548.0	6,635.1	6,567.9	26.8	18.0	-91.24	232.8	698.7	1,851.8	1,820.1	31.69	58.433	
6,750.0	6,593.3	6,688.1	6,616.3	26.8	18.0	-91.26	211.2	698.6	1,851.8	1,820.1	31.68	58.445	
6,791.3	6,629.6	6,731.9	6,655.0	26.8	18.0	-91.28	190.6	698.5	1,851.8	1,820.1	31.68	58.461	
6,800.0	6,637.0	6,741.1	6,663.0	26.8	18.0	-91.28	186.0	698.5	1,851.8	1,820.1	31.67	58.465	
6,850.0	6,679.0	6,794.2	6,707.7	26.8	18.0	-91.29	157.5	698.4	1,851.8	1,820.2	31.67	58.472	
6,889.7	6,710.9	6,836.4	6,741.7	26.8	18.0	-91.30	132.5	698.3	1,851.8	1,820.2	31.68	58.450	
6,900.0	6,718.9	6,847.3	6,750.3	26.8	18.0	-91.30	125.7	698.3	1,851.8	1,820.1	31.69	58.444	
6,950.0	6,756.7	6,900.4	6,790.3	26.8	18.0	-91.30	90.8	698.2	1,851.8	1,820.1	31.73	58.357	
6,988.2	6,783.9	6,941.0	6,819.1	26.8	18.0	-91.29	62.3	698.1	1,851.8	1,820.0	31.80	58.229	
7,000.0	6,792.0	6,953.5	6,827.7	26.8	18.0	-91.29	53.1	698.0	1,851.8	1,820.0	31.83	58.185	
7,050.0	6,824.8	7,006.6	6,862.1	26.8	17.9	-91.27	12.8	697.9	1,851.8	1,819.8	31.98	57.911	
7,086.6	6,847.2	7,045.4	6,885.3	26.8	18.0	-91.26	-18.3	697.8	1,851.8	1,819.7	32.13	57.631	
7,100.0	6,854.9	7,059.6	6,893.4	26.8	18.0	-91.25	-30.0	697.7	1,851.8	1,819.6	32.20	57.515	
7,150.0	6,882.2	7,112.5	6,921.5	26.8	18.0	-91.22	-74.9	697.5	1,851.8	1,819.3	32.49	56.988	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,185.0	6,899.5	7,149.6	6,939.1	26.8	18.0	-91.20	-107.5	697.4	1,851.8	1,819.0	32.75	56.536	
7,200.0	6,906.5	7,165.4	6,946.1	26.9	18.1	-91.19	-121.7	697.4	1,851.8	1,818.9	32.88	56.322	
7,250.0	6,927.6	7,218.2	6,967.1	26.9	18.2	-91.15	-170.0	697.2	1,851.7	1,818.4	33.35	55.519	
7,283.4	6,940.0	7,253.4	6,979.2	27.0	18.3	-91.12	-203.1	697.1	1,851.7	1,818.0	33.72	54.908	
7,300.0	6,945.5	7,270.8	6,984.5	27.0	18.3	-91.10	-219.7	697.0	1,851.7	1,817.8	33.92	54.587	
7,350.0	6,960.2	7,323.3	6,998.2	27.1	18.5	-91.05	-270.4	696.8	1,851.7	1,817.1	34.58	53.542	
7,381.9	6,967.8	7,356.7	7,005.0	27.2	18.7	-91.01	-303.1	696.7	1,851.7	1,816.6	35.05	52.822	
7,400.0	6,971.5	7,375.7	7,008.1	27.2	18.8	-90.99	-321.8	696.6	1,851.6	1,816.3	35.34	52.402	
7,450.0	6,979.3	7,427.9	7,014.3	27.4	19.2	-90.93	-373.7	696.5	1,851.6	1,815.4	36.17	51.189	
7,480.3	6,982.4	7,459.5	7,016.1	27.5	19.4	-90.89	-405.2	696.3	1,851.6	1,814.9	36.72	50.426	
7,500.0	6,983.7	7,480.0	7,016.6	27.5	19.6	-90.86	-425.7	696.3	1,851.6	1,814.5	37.08	49.930	
7,539.8	6,984.7	7,520.1	7,016.5	27.7	19.9	-90.83	-465.8	696.1	1,851.6	1,813.7	37.86	48.907	
7,541.4	6,984.7	7,521.7	7,016.5	27.7	19.9	-90.83	-467.3	696.1	1,851.6	1,813.7	37.89	48.866	
7,578.7	6,984.5	7,559.0	7,016.4	27.9	20.3	-90.83	-504.7	696.0	1,851.6	1,812.9	38.66	47.899	
7,600.0	6,984.4	7,580.3	7,016.3	28.0	20.5	-90.83	-526.0	695.9	1,851.6	1,812.5	39.09	47.364	
7,677.1	6,984.0	7,657.4	7,016.1	28.5	21.3	-90.84	-603.1	695.6	1,851.6	1,810.8	40.80	45.384	
7,700.0	6,983.9	7,680.3	7,016.0	28.6	21.6	-90.84	-626.0	695.5	1,851.6	1,810.3	41.31	44.821	
7,775.6	6,983.5	7,755.9	7,015.8	29.2	22.5	-90.84	-701.5	695.3	1,851.6	1,808.4	43.14	42.921	
7,800.0	6,983.4	7,780.3	7,015.7	29.4	22.8	-90.84	-725.9	695.2	1,851.6	1,807.8	43.74	42.334	
7,874.0	6,983.1	7,854.3	7,015.4	30.0	23.8	-90.85	-799.9	694.9	1,851.6	1,805.9	45.69	40.528	
7,900.0	6,982.9	7,880.3	7,015.4	30.3	24.1	-90.85	-825.9	694.8	1,851.6	1,805.2	46.38	39.924	
7,972.4	6,982.6	7,952.7	7,015.1	31.0	25.1	-90.85	-898.4	694.5	1,851.6	1,803.2	48.41	38.244	
8,000.0	6,982.4	7,980.3	7,015.0	31.3	25.5	-90.85	-925.9	694.4	1,851.6	1,802.4	49.20	37.637	
8,070.8	6,982.1	8,051.1	7,014.8	32.1	26.5	-90.86	-996.8	694.2	1,851.6	1,800.3	51.30	36.096	
8,100.0	6,982.0	8,080.3	7,014.7	32.4	27.0	-90.86	-1,025.9	694.1	1,851.6	1,799.4	52.16	35.495	
8,169.3	6,981.6	8,149.6	7,014.5	33.2	28.0	-90.86	-1,095.2	693.8	1,851.6	1,797.3	54.30	34.096	
8,200.0	6,981.5	8,180.3	7,014.4	33.6	28.5	-90.86	-1,125.9	693.7	1,851.6	1,796.3	55.26	33.507	
8,267.7	6,981.1	8,248.0	7,014.2	34.5	29.6	-90.87	-1,193.6	693.5	1,851.6	1,794.2	57.42	32.245	
8,300.0	6,981.0	8,280.3	7,014.1	34.9	30.1	-90.87	-1,225.9	693.3	1,851.6	1,793.1	58.46	31.673	
8,366.1	6,980.7	8,346.4	7,013.9	35.8	31.2	-90.87	-1,292.0	693.1	1,851.6	1,791.0	60.63	30.539	
8,400.0	6,980.5	8,380.3	7,013.8	36.3	31.7	-90.88	-1,325.9	693.0	1,851.6	1,789.8	61.75	29.986	
8,464.5	6,980.2	8,444.8	7,013.6	37.2	32.8	-90.88	-1,390.5	692.7	1,851.6	1,787.7	63.92	28.968	
8,500.0	6,980.0	8,480.3	7,013.5	37.7	33.4	-90.88	-1,425.9	692.6	1,851.6	1,786.5	65.11	28.436	
8,563.0	6,979.7	8,543.2	7,013.3	38.6	34.4	-90.88	-1,488.9	692.4	1,851.6	1,784.3	67.27	27.524	
8,600.0	6,979.5	8,580.3	7,013.1	39.1	35.1	-90.89	-1,525.9	692.2	1,851.6	1,783.1	68.54	27.014	
8,661.4	6,979.2	8,641.7	7,013.0	40.1	36.1	-90.89	-1,587.3	692.0	1,851.6	1,780.9	70.68	26.196	
8,700.0	6,979.0	8,680.3	7,012.8	40.7	36.8	-90.89	-1,625.9	691.9	1,851.6	1,779.6	72.03	25.706	
8,759.8	6,978.7	8,740.1	7,012.6	41.6	37.8	-90.89	-1,685.7	691.7	1,851.6	1,777.5	74.14	24.974	
8,800.0	6,978.5	8,780.3	7,012.5	42.2	38.5	-90.90	-1,725.9	691.5	1,851.6	1,776.1	75.56	24.504	
8,858.2	6,978.2	8,838.5	7,012.3	43.1	39.6	-90.90	-1,784.2	691.3	1,851.6	1,774.0	77.64	23.848	
8,900.0	6,978.0	8,880.3	7,012.2	43.8	40.3	-90.90	-1,825.9	691.2	1,851.6	1,772.5	79.14	23.398	
8,956.7	6,977.8	8,936.9	7,012.0	44.7	41.3	-90.91	-1,882.6	691.0	1,851.6	1,770.4	81.18	22.808	
9,000.0	6,977.5	8,980.3	7,011.9	45.4	42.1	-90.91	-1,925.9	690.8	1,851.6	1,768.9	82.75	22.377	
9,055.1	6,977.3	9,035.4	7,011.7	46.3	43.1	-90.91	-1,981.0	690.6	1,851.6	1,766.9	84.75	21.847	
9,100.0	6,977.1	9,080.3	7,011.6	47.1	43.9	-90.91	-2,025.9	690.4	1,851.6	1,765.3	86.39	21.433	
9,153.5	6,976.8	9,133.8	7,011.4	48.0	44.9	-90.92	-2,079.4	690.2	1,851.6	1,763.3	88.35	20.957	
9,200.0	6,976.6	9,180.2	7,011.2	48.8	45.7	-90.92	-2,125.9	690.1	1,851.6	1,761.6	90.06	20.560	
9,251.9	6,976.3	9,232.2	7,011.1	49.7	46.7	-90.92	-2,177.8	689.9	1,851.7	1,759.7	91.98	20.131	
9,300.0	6,976.1	9,280.2	7,010.9	50.5	47.5	-90.92	-2,225.9	689.7	1,851.7	1,757.9	93.75	19.750	
9,350.4	6,975.8	9,330.6	7,010.8	51.3	48.5	-90.93	-2,276.3	689.5	1,851.7	1,756.0	95.63	19.364	
9,400.0	6,975.6	9,380.2	7,010.6	52.2	49.4	-90.93	-2,325.9	689.3	1,851.7	1,754.2	97.47	18.997	
9,448.8	6,975.3	9,429.0	7,010.4	53.1	50.3	-90.93	-2,374.7	689.2	1,851.7	1,752.4	99.29	18.649	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWMD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.0	6,975.1	9,480.2	7,010.3	54.0	51.2	-90.93	-2,425.9	689.0	1,851.7	1,750.5	101.21	18.296	
9,547.2	6,974.9	9,527.5	7,010.1	54.8	52.1	-90.94	-2,473.1	688.8	1,851.7	1,748.7	102.98	17.981	
9,600.0	6,974.6	9,580.2	7,010.0	55.7	53.1	-90.94	-2,525.9	688.6	1,851.7	1,746.7	104.96	17.642	
9,645.6	6,974.4	9,625.9	7,009.8	56.5	53.9	-90.94	-2,571.5	688.4	1,851.7	1,745.0	106.68	17.358	
9,700.0	6,974.1	9,680.2	7,009.6	57.5	55.0	-90.94	-2,625.9	688.3	1,851.7	1,743.0	108.73	17.031	
9,744.1	6,973.9	9,724.3	7,009.5	58.3	55.8	-90.95	-2,669.9	688.1	1,851.7	1,741.3	110.39	16.774	
9,800.0	6,973.6	9,780.2	7,009.3	59.3	56.8	-90.95	-2,725.9	687.9	1,851.7	1,739.2	112.51	16.458	
9,842.5	6,973.4	9,822.7	7,009.2	60.0	57.6	-90.95	-2,768.4	687.7	1,851.7	1,737.6	114.12	16.226	
9,900.0	6,973.1	9,880.2	7,009.0	61.1	58.7	-90.96	-2,825.9	687.5	1,851.7	1,735.4	116.30	15.921	
9,940.9	6,972.9	9,921.1	7,008.9	61.8	59.5	-90.96	-2,866.8	687.4	1,851.7	1,733.9	117.86	15.711	
10,000.0	6,972.6	9,980.2	7,008.7	62.9	60.6	-90.96	-2,925.9	687.2	1,851.7	1,731.6	120.11	15.417	
10,039.3	6,972.4	10,019.6	7,008.6	63.6	61.4	-90.96	-2,965.2	687.0	1,851.7	1,730.1	121.61	15.227	
10,100.0	6,972.1	10,080.2	7,008.4	64.7	62.5	-90.97	-3,025.9	686.8	1,851.7	1,727.8	123.93	14.942	
10,137.8	6,972.0	10,118.0	7,008.2	65.4	63.2	-90.97	-3,063.6	686.7	1,851.7	1,726.4	125.37	14.770	
10,200.0	6,971.6	10,180.2	7,008.0	66.6	64.4	-90.97	-3,125.8	686.4	1,851.7	1,724.0	127.75	14.495	
10,236.2	6,971.5	10,216.4	7,007.9	67.2	65.1	-90.97	-3,162.0	686.3	1,851.7	1,722.6	129.14	14.339	
10,300.0	6,971.2	10,280.2	7,007.7	68.4	66.3	-90.98	-3,225.8	686.1	1,851.8	1,720.2	131.59	14.073	
10,334.6	6,971.0	10,314.8	7,007.6	69.0	67.0	-90.98	-3,260.5	686.0	1,851.8	1,718.8	132.92	13.932	
10,400.0	6,970.7	10,380.2	7,007.4	70.2	68.2	-90.98	-3,325.8	685.7	1,851.8	1,716.3	135.43	13.673	
10,433.0	6,970.5	10,413.3	7,007.3	70.9	68.8	-90.98	-3,358.9	685.6	1,851.8	1,715.1	136.70	13.546	
10,500.0	6,970.2	10,480.2	7,007.1	72.1	70.1	-90.99	-3,425.8	685.4	1,851.8	1,712.5	139.28	13.296	
10,531.5	6,970.0	10,511.7	7,007.0	72.7	70.7	-90.99	-3,457.3	685.2	1,851.8	1,711.3	140.49	13.181	
10,600.0	6,969.7	10,580.2	7,006.7	74.0	72.0	-90.99	-3,525.8	685.0	1,851.8	1,708.7	143.13	12.938	
10,629.9	6,969.5	10,610.1	7,006.6	74.5	72.6	-90.99	-3,555.7	684.9	1,851.8	1,707.5	144.29	12.834	
10,700.0	6,969.2	10,680.2	7,006.4	75.8	74.0	-91.00	-3,625.8	684.6	1,851.8	1,704.8	146.99	12.598	
10,728.3	6,969.0	10,708.5	7,006.3	76.4	74.5	-91.00	-3,654.1	684.5	1,851.8	1,703.7	148.09	12.505	
10,800.0	6,968.7	10,780.2	7,006.1	77.7	75.9	-91.00	-3,725.8	684.3	1,851.8	1,700.9	150.86	12.275	
10,826.7	6,968.6	10,806.9	7,006.0	78.2	76.4	-91.00	-3,752.6	684.2	1,851.8	1,699.9	151.90	12.191	
10,900.0	6,968.2	10,880.2	7,005.8	79.6	77.8	-91.01	-3,825.8	683.9	1,851.8	1,697.1	154.73	11.968	
10,925.2	6,968.1	10,905.4	7,005.7	80.1	78.3	-91.01	-3,851.0	683.8	1,851.8	1,696.1	155.71	11.893	
11,000.0	6,967.7	10,980.2	7,005.5	81.5	79.7	-91.01	-3,925.8	683.6	1,851.8	1,693.2	158.61	11.675	
11,023.6	6,967.6	11,003.8	7,005.4	81.9	80.2	-91.01	-3,949.4	683.5	1,851.8	1,692.3	159.53	11.608	
11,100.0	6,967.2	11,080.2	7,005.1	83.4	81.7	-91.02	-4,025.8	683.2	1,851.8	1,689.4	162.49	11.396	
11,122.0	6,967.1	11,102.2	7,005.1	83.8	82.1	-91.02	-4,047.8	683.1	1,851.9	1,688.5	163.35	11.337	
11,200.0	6,966.7	11,180.2	7,004.8	85.3	83.6	-91.02	-4,125.8	682.8	1,851.9	1,685.5	166.38	11.130	
11,220.4	6,966.6	11,200.6	7,004.7	85.7	84.0	-91.02	-4,146.3	682.8	1,851.9	1,684.7	167.17	11.077	
11,300.0	6,966.2	11,280.2	7,004.5	87.2	85.5	-91.03	-4,225.8	682.5	1,851.9	1,681.6	170.27	10.876	
11,318.9	6,966.1	11,299.1	7,004.4	87.5	85.9	-91.03	-4,244.7	682.4	1,851.9	1,680.9	171.00	10.829	
11,400.0	6,965.7	11,380.2	7,004.2	89.1	87.5	-91.03	-4,325.8	682.1	1,851.9	1,677.7	174.16	10.633	
11,417.3	6,965.6	11,397.5	7,004.1	89.4	87.8	-91.03	-4,343.1	682.1	1,851.9	1,677.1	174.84	10.592	
11,500.0	6,965.2	11,480.2	7,003.8	91.0	89.4	-91.04	-4,425.8	681.8	1,851.9	1,673.8	178.06	10.400	
11,515.7	6,965.2	11,495.9	7,003.8	91.3	89.7	-91.04	-4,441.5	681.7	1,851.9	1,673.2	178.67	10.365	
11,600.0	6,964.7	11,580.2	7,003.5	92.9	91.3	-91.04	-4,525.8	681.4	1,851.9	1,670.0	181.96	10.178	
11,614.1	6,964.7	11,594.3	7,003.5	93.2	91.6	-91.05	-4,539.9	681.3	1,851.9	1,669.4	182.51	10.147	
11,700.0	6,964.3	11,680.2	7,003.2	94.8	93.3	-91.05	-4,625.8	681.0	1,851.9	1,666.1	185.86	9.964	
11,712.6	6,964.2	11,692.7	7,003.1	95.1	93.5	-91.05	-4,638.4	681.0	1,851.9	1,665.6	186.35	9.938	
11,800.0	6,963.8	11,780.2	7,002.9	96.7	95.2	-91.05	-4,725.8	680.7	1,851.9	1,662.2	189.77	9.759	
11,811.0	6,963.7	11,791.2	7,002.8	97.0	95.4	-91.06	-4,736.8	680.6	1,851.9	1,661.8	190.20	9.737	
11,900.0	6,963.3	11,880.2	7,002.5	98.7	97.2	-91.06	-4,825.8	680.3	1,852.0	1,658.3	193.68	9.562	
11,909.4	6,963.2	11,889.6	7,002.5	98.9	97.4	-91.06	-4,835.2	680.3	1,852.0	1,657.9	194.04	9.544	
12,000.0	6,962.8	11,980.2	7,002.2	100.6	99.1	-91.07	-4,925.8	680.0	1,852.0	1,654.4	197.59	9.373	
12,007.8	6,962.7	11,988.0	7,002.2	100.7	99.3	-91.07	-4,933.6	679.9	1,852.0	1,654.1	197.89	9.358	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,100.0	6,962.3	12,080.2	7,001.9	102.5	101.1	-91.07	-5,025.8	679.6	1,852.0	1,650.5	201.50	9.191	
12,106.3	6,962.2	12,086.4	7,001.8	102.6	101.2	-91.07	-5,032.0	679.6	1,852.0	1,650.2	201.75	9.180	
12,200.0	6,961.8	12,180.2	7,001.5	104.5	103.0	-91.08	-5,125.8	679.2	1,852.0	1,646.6	205.42	9.016	
12,204.7	6,961.8	12,184.9	7,001.5	104.5	103.1	-91.08	-5,130.5	679.2	1,852.0	1,646.4	205.60	9.008	
12,300.0	6,961.3	12,280.2	7,001.2	106.4	105.0	-91.08	-5,225.8	678.9	1,852.0	1,642.7	209.33	8.847	
12,303.1	6,961.3	12,283.3	7,001.2	106.4	105.0	-91.08	-5,228.9	678.9	1,852.0	1,642.6	209.46	8.842	
12,400.0	6,960.8	12,380.2	7,000.9	108.3	106.9	-91.09	-5,325.8	678.5	1,852.0	1,638.8	213.25	8.685	
12,401.5	6,960.8	12,381.7	7,000.9	108.3	106.9	-91.09	-5,327.3	678.5	1,852.0	1,638.7	213.31	8.682	
12,500.0	6,960.3	12,480.2	7,000.6	110.3	108.9	-91.09	-5,425.8	678.2	1,852.1	1,634.9	217.17	8.528	
12,598.4	6,959.8	12,578.5	7,000.2	112.2	110.8	-91.10	-5,524.1	677.8	1,852.1	1,631.0	221.03	8.379	
12,600.0	6,959.8	12,580.1	7,000.2	112.2	110.8	-91.10	-5,525.7	677.8	1,852.1	1,631.0	221.10	8.377	
12,696.8	6,959.3	12,677.0	6,999.9	114.1	112.7	-91.10	-5,622.6	677.5	1,852.1	1,627.2	224.90	8.235	
12,700.0	6,959.3	12,680.1	6,999.9	114.1	112.8	-91.10	-5,625.7	677.4	1,852.1	1,627.1	225.02	8.231	
12,795.2	6,958.8	12,775.4	6,999.6	116.0	114.6	-91.11	-5,721.0	677.1	1,852.1	1,623.4	228.76	8.096	
12,800.0	6,958.8	12,780.1	6,999.6	116.1	114.7	-91.11	-5,725.7	677.1	1,852.1	1,623.2	228.95	8.090	
12,893.7	6,958.3	12,873.8	6,999.3	117.9	116.6	-91.11	-5,819.4	676.8	1,852.1	1,619.5	232.62	7.962	
12,900.0	6,958.3	12,880.1	6,999.2	118.0	116.7	-91.11	-5,825.7	676.7	1,852.1	1,619.3	232.87	7.953	
12,992.1	6,957.9	12,972.2	6,998.9	119.8	118.5	-91.12	-5,917.8	676.4	1,852.1	1,615.7	236.49	7.832	
13,000.0	6,957.8	12,980.1	6,998.9	120.0	118.6	-91.12	-5,925.7	676.4	1,852.1	1,615.3	236.80	7.821	
13,090.5	6,957.4	13,070.7	6,998.6	121.7	120.4	-91.12	-6,016.3	676.1	1,852.2	1,611.8	240.36	7.706	
13,100.0	6,957.3	13,080.1	6,998.6	121.9	120.6	-91.12	-6,025.7	676.0	1,852.2	1,611.4	240.73	7.694	
13,188.9	6,956.9	13,169.1	6,998.3	123.6	122.3	-91.13	-6,114.7	675.7	1,852.2	1,608.0	244.23	7.584	
13,200.0	6,956.8	13,180.1	6,998.3	123.9	122.5	-91.13	-6,125.7	675.7	1,852.2	1,607.5	244.66	7.570	
13,287.4	6,956.4	13,267.5	6,998.0	125.6	124.3	-91.13	-6,213.1	675.4	1,852.2	1,604.1	248.10	7.466	
13,300.0	6,956.3	13,280.1	6,997.9	125.8	124.5	-91.13	-6,225.7	675.3	1,852.2	1,603.6	248.60	7.451	
13,385.8	6,955.9	13,365.9	6,997.6	127.5	126.2	-91.14	-6,311.5	675.0	1,852.2	1,600.2	251.97	7.351	
13,400.0	6,955.8	13,380.1	6,997.6	127.8	126.5	-91.14	-6,325.7	674.9	1,852.2	1,599.7	252.53	7.335	
13,484.2	6,955.4	13,464.3	6,997.3	129.4	128.1	-91.14	-6,409.9	674.6	1,852.2	1,596.4	255.84	7.240	
13,500.0	6,955.3	13,480.1	6,997.3	129.7	128.4	-91.14	-6,425.7	674.6	1,852.2	1,595.8	256.47	7.222	
13,582.6	6,954.9	13,562.8	6,997.0	131.3	130.0	-91.15	-6,508.4	674.3	1,852.3	1,592.5	259.72	7.132	
13,600.0	6,954.8	13,580.1	6,996.9	131.7	130.4	-91.15	-6,525.7	674.2	1,852.3	1,591.9	260.40	7.113	
13,681.1	6,954.4	13,661.2	6,996.7	133.2	132.0	-91.15	-6,606.8	673.9	1,852.3	1,588.7	263.59	7.027	
13,700.0	6,954.3	13,680.1	6,996.6	133.6	132.3	-91.15	-6,625.7	673.9	1,852.3	1,587.9	264.34	7.007	
13,779.5	6,953.9	13,759.6	6,996.3	135.2	133.9	-91.16	-6,705.2	673.6	1,852.3	1,584.8	267.47	6.925	
13,800.0	6,953.8	13,780.1	6,996.3	135.6	134.3	-91.16	-6,725.7	673.5	1,852.3	1,584.0	268.28	6.904	
13,877.9	6,953.5	13,858.0	6,996.0	137.1	135.8	-91.16	-6,803.6	673.2	1,852.3	1,581.0	271.35	6.826	
13,900.0	6,953.3	13,880.1	6,995.9	137.5	136.3	-91.16	-6,825.7	673.2	1,852.3	1,580.1	272.21	6.805	
13,976.3	6,953.0	13,956.5	6,995.7	139.0	137.8	-91.17	-6,902.0	672.9	1,852.3	1,577.1	275.22	6.730	
14,000.0	6,952.8	13,980.1	6,995.6	139.5	138.2	-91.17	-6,925.7	672.8	1,852.3	1,576.2	276.15	6.708	
14,074.8	6,952.5	14,054.9	6,995.4	140.9	139.7	-91.17	-7,000.5	672.5	1,852.4	1,573.3	279.10	6.637	
14,100.0	6,952.4	14,080.1	6,995.3	141.4	140.2	-91.17	-7,025.7	672.5	1,852.4	1,572.3	280.09	6.613	
14,170.4	6,952.0	14,150.5	6,995.0	142.8	141.5	-91.18	-7,096.1	672.2	1,852.4	1,569.6	282.77	6.551 SF	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	3.0	3.0	0.0	0.0	90.00	0.0	89.2	89.2					
98.4	98.4	101.4	101.4	0.1	0.1	90.00	0.0	89.2	89.2	89.0	0.20	455.562		
100.0	100.0	103.0	103.0	0.1	0.1	90.00	0.0	89.2	89.2	89.0	0.20	443.537		
196.8	196.8	199.8	199.8	0.3	0.3	90.00	0.0	89.2	89.2	88.6	0.64	140.172		
200.0	200.0	203.0	203.0	0.3	0.3	90.00	0.0	89.2	89.2	88.6	0.65	137.121		
295.3	295.3	298.3	298.3	0.5	0.5	90.00	0.0	89.2	89.2	88.1	1.08	82.693		
300.0	300.0	303.0	303.0	0.5	0.6	90.00	0.0	89.2	89.2	88.1	1.10	81.096		
393.7	393.7	396.7	396.7	0.8	0.8	90.00	0.0	89.2	89.2	87.7	1.52	58.645		
400.0	400.0	403.0	403.0	0.8	0.8	90.00	0.0	89.2	89.2	87.7	1.55	57.573		
492.1	492.1	495.1	495.1	1.0	1.0	90.00	0.0	89.2	89.2	87.3	1.96	45.432		
500.0	500.0	503.0	503.0	1.0	1.0	90.00	0.0	89.2	89.2	87.2	2.00	44.628		
590.5	590.5	593.5	593.5	1.2	1.2	90.00	0.0	89.2	89.2	86.8	2.41	37.079		
600.0	600.0	603.0	603.0	1.2	1.2	90.00	0.0	89.2	89.2	86.8	2.45	36.436		
689.0	689.0	692.0	692.0	1.4	1.4	90.00	0.0	89.2	89.2	86.4	2.85	31.320		
700.0	700.0	703.0	703.0	1.4	1.5	90.00	0.0	89.2	89.2	86.3	2.90	30.784		
787.4	787.4	790.4	790.4	1.6	1.6	90.00	0.0	89.2	89.2	85.9	3.29	27.110		
800.0	800.0	803.0	803.0	1.7	1.7	90.00	0.0	89.2	89.2	85.9	3.35	26.651		
885.8	885.8	888.8	888.8	1.9	1.9	90.00	0.0	89.2	89.2	85.5	3.73	23.897		
900.0	900.0	903.0	903.0	1.9	1.9	90.00	0.0	89.2	89.2	85.4	3.80	23.496		
984.2	984.2	987.2	987.2	2.1	2.1	90.00	0.0	89.2	89.2	85.0	4.18	21.365		
1,000.0	1,000.0	1,003.0	1,003.0	2.1	2.1	90.00	0.0	89.2	89.2	85.0	4.25	21.009 CC, ES		
1,082.7	1,082.7	1,085.7	1,085.7	2.3	2.3	167.49	0.0	89.2	90.4	85.8	4.61	19.610		
1,100.0	1,100.0	1,103.0	1,103.0	2.3	2.4	167.56	0.0	89.2	90.9	86.2	4.68	19.409		
1,181.1	1,181.0	1,184.0	1,184.0	2.5	2.5	168.06	0.0	89.2	94.8	89.8	5.03	18.845		
1,200.0	1,199.8	1,202.8	1,202.8	2.5	2.6	168.21	0.0	89.2	96.0	90.9	5.11	18.791		
1,279.5	1,279.1	1,282.1	1,282.1	2.7	2.8	168.94	0.0	89.2	102.6	97.1	5.45	18.819		
1,300.0	1,299.5	1,302.5	1,302.5	2.8	2.8	169.15	0.0	89.2	104.6	99.1	5.54	18.893		
1,377.9	1,376.9	1,380.2	1,380.2	3.0	3.0	169.43	1.1	89.1	113.5	107.6	5.87	19.352		
1,400.0	1,398.7	1,402.2	1,402.2	3.0	3.0	169.35	1.8	89.1	116.4	110.4	5.96	19.532		
1,476.4	1,474.2	1,478.1	1,478.0	3.2	3.2	168.60	5.5	88.8	127.4	121.1	6.28	20.291		
1,500.0	1,497.5	1,501.5	1,501.3	3.3	3.3	168.25	7.1	88.7	131.2	124.8	6.38	20.570		
1,574.8	1,571.0	1,575.4	1,574.9	3.5	3.4	166.86	13.2	88.2	144.3	137.6	6.70	21.552		
1,600.0	1,595.6	1,600.1	1,599.6	3.6	3.5	166.31	15.7	88.1	149.1	142.3	6.80	21.925		
1,673.2	1,667.0	1,671.8	1,670.8	3.9	3.6	164.58	24.0	87.4	164.4	157.3	7.13	23.066		
1,700.0	1,693.1	1,697.9	1,696.6	4.0	3.7	163.91	27.5	87.2	170.4	163.2	7.25	23.522		
1,735.7	1,727.6	1,732.5	1,730.9	4.1	3.8	162.99	32.5	86.8	178.8	171.4	7.41	24.129		
1,771.6	1,762.4	1,767.3	1,765.2	4.3	3.9	162.09	37.9	86.4	187.6	180.0	7.60	24.690		
1,800.0	1,789.8	1,794.6	1,792.2	4.4	4.0	161.35	42.5	86.0	194.5	186.8	7.74	25.116		
1,870.1	1,857.6	1,862.0	1,858.4	4.7	4.2	159.41	54.8	85.1	211.8	203.6	8.14	26.027		
1,900.0	1,886.6	1,890.7	1,886.5	4.8	4.2	158.55	60.5	84.7	219.3	210.9	8.31	26.398		
1,968.5	1,952.8	1,956.5	1,950.9	5.2	4.4	156.64	74.1	83.7	236.6	227.9	8.72	27.140		
2,000.0	1,983.3	1,986.8	1,980.5	5.3	4.5	155.86	80.4	83.2	244.6	235.7	8.92	27.437		
2,066.9	2,048.0	2,051.2	2,043.5	5.6	4.8	154.34	93.8	82.2	261.8	252.5	9.34	28.024		
2,100.0	2,080.0	2,083.0	2,074.6	5.8	4.9	153.66	100.4	81.7	270.4	260.8	9.56	28.289		
2,165.3	2,143.2	2,145.8	2,136.0	6.1	5.1	152.44	113.4	80.7	287.4	277.4	10.00	28.754		
2,200.0	2,176.7	2,179.1	2,168.6	6.3	5.2	151.85	120.3	80.2	296.5	286.3	10.23	28.984		
2,263.8	2,238.4	2,240.4	2,228.6	6.6	5.4	150.85	133.0	79.3	313.2	302.6	10.67	29.363		
2,300.0	2,273.4	2,275.2	2,262.7	6.8	5.5	150.33	140.2	78.7	322.8	311.9	10.92	29.560		
2,362.2	2,333.6	2,335.0	2,321.2	7.1	5.8	149.51	152.6	77.8	339.3	327.9	11.36	29.865		
2,400.0	2,370.2	2,371.4	2,356.7	7.3	5.9	149.04	160.2	77.2	349.3	337.7	11.63	30.035		
2,460.6	2,428.8	2,429.7	2,413.7	7.6	6.1	148.35	172.3	76.3	365.4	353.4	12.07	30.284		
2,500.0	2,466.9	2,467.5	2,450.8	7.8	6.3	147.93	180.1	75.7	375.9	363.6	12.35	30.432		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,559.0	2,524.0	2,524.3	2,506.3	8.1	6.5	147.35	191.9	74.9	391.7	378.9	12.79	30.635	
2,600.0	2,563.6	2,563.7	2,544.8	8.3	6.7	146.97	200.1	74.2	402.7	389.6	13.09	30.764	
2,657.5	2,619.2	2,619.0	2,598.9	8.6	6.9	146.47	211.5	73.4	418.1	404.6	13.52	30.934	
2,700.0	2,660.3	2,661.6	2,640.7	8.8	7.0	146.16	220.0	72.7	429.5	415.6	13.82	31.076	
2,755.9	2,714.4	2,717.9	2,696.0	9.1	7.2	145.89	230.3	72.0	444.1	429.9	14.21	31.265	
2,800.0	2,757.0	2,762.5	2,739.9	9.4	7.3	145.79	237.7	71.4	455.5	441.0	14.49	31.436	
2,854.3	2,809.6	2,817.5	2,794.4	9.6	7.5	145.79	245.9	70.8	469.2	454.4	14.83	31.637	
2,900.0	2,853.8	2,863.9	2,840.3	9.9	7.6	145.89	251.9	70.4	480.6	465.5	15.11	31.807	
2,952.7	2,904.8	2,917.5	2,893.6	10.2	7.8	146.10	258.0	69.9	493.4	478.0	15.42	31.998	
3,000.0	2,950.5	2,965.6	2,941.5	10.4	7.9	146.38	262.6	69.6	504.7	489.0	15.69	32.176	
3,051.2	3,000.0	3,017.8	2,993.5	10.7	8.0	146.77	266.7	69.2	516.7	500.8	15.96	32.367	
3,100.0	3,047.2	3,067.5	3,043.1	10.9	8.1	147.21	269.8	69.0	528.0	511.8	16.22	32.561	
3,149.6	3,095.2	3,117.9	3,093.5	11.2	8.2	147.74	272.0	68.9	539.3	522.8	16.46	32.761	
3,200.0	3,143.9	3,169.1	3,144.7	11.5	8.3	148.34	273.3	68.8	550.5	533.8	16.69	32.979	
3,248.0	3,190.4	3,217.8	3,193.4	11.7	8.3	148.98	273.7	68.7	561.1	544.2	16.91	33.190	
3,300.0	3,240.6	3,268.1	3,243.6	12.0	8.4	149.66	273.7	68.7	572.6	555.5	17.13	33.420	
3,346.4	3,285.6	3,313.0	3,288.6	12.3	8.5	150.24	273.7	68.7	582.9	565.5	17.34	33.621	
3,400.0	3,337.4	3,364.8	3,340.4	12.5	8.6	150.88	273.7	68.7	594.8	577.2	17.58	33.843	
3,444.9	3,380.8	3,408.2	3,383.8	12.8	8.7	151.40	273.7	68.7	604.9	587.1	17.78	34.029	
3,500.0	3,434.1	3,461.5	3,437.1	13.1	8.8	152.02	273.7	68.7	617.3	599.3	18.02	34.254	
3,543.3	3,476.0	3,503.4	3,479.0	13.3	8.9	152.49	273.7	68.7	627.1	608.9	18.21	34.431	
3,600.0	3,530.8	3,558.2	3,533.8	13.6	9.0	153.08	273.7	68.7	640.0	621.5	18.47	34.659	
3,641.7	3,571.2	3,598.6	3,574.2	13.8	9.0	153.50	273.7	68.7	649.5	630.9	18.65	34.826	
3,700.0	3,627.5	3,655.0	3,630.5	14.2	9.1	154.07	273.7	68.7	662.9	644.0	18.91	35.055	
3,740.1	3,666.4	3,693.8	3,669.4	14.4	9.2	154.45	273.7	68.7	672.1	653.0	19.09	35.212	
3,800.0	3,724.2	3,751.7	3,727.2	14.7	9.3	154.99	273.7	68.7	686.0	666.6	19.35	35.442	
3,838.6	3,761.6	3,789.0	3,764.6	14.9	9.4	155.33	273.7	68.7	694.9	675.4	19.53	35.589	
3,900.0	3,821.0	3,848.4	3,824.0	15.2	9.5	155.85	273.7	68.7	709.2	689.4	19.80	35.819	
3,937.0	3,856.8	3,884.2	3,859.8	15.4	9.6	156.16	273.7	68.7	717.8	697.9	19.96	35.956	
4,000.0	3,917.7	3,945.1	3,920.7	15.8	9.7	156.66	273.7	68.7	732.6	712.3	20.24	36.185	
4,035.4	3,951.9	3,979.4	3,954.9	16.0	9.7	156.94	273.7	68.7	740.9	720.5	20.40	36.312	
4,100.0	4,014.4	4,041.9	4,017.4	16.3	9.9	157.42	273.7	68.7	756.1	735.4	20.69	36.540	
4,133.8	4,047.1	4,074.6	4,050.1	16.5	9.9	157.67	273.7	68.7	764.0	743.2	20.84	36.658	
4,200.0	4,111.1	4,138.6	4,114.1	16.9	10.1	158.14	273.7	68.7	779.7	758.5	21.14	36.884	
4,232.3	4,142.3	4,169.8	4,145.3	17.0	10.1	158.36	273.7	68.7	787.3	766.1	21.28	36.993	
4,300.0	4,207.8	4,235.3	4,210.8	17.4	10.2	158.81	273.7	68.7	803.4	781.8	21.59	37.217	
4,330.7	4,237.5	4,265.0	4,240.5	17.6	10.3	159.01	273.7	68.7	810.7	789.0	21.73	37.317	
4,400.0	4,304.6	4,332.0	4,307.6	17.9	10.4	159.44	273.7	68.7	827.2	805.2	22.04	37.539	
4,429.1	4,332.7	4,360.2	4,335.7	18.1	10.5	159.62	273.7	68.7	834.2	812.0	22.17	37.631	
4,500.0	4,401.3	4,428.7	4,404.3	18.5	10.6	160.04	273.7	68.7	851.2	828.7	22.49	37.850	
4,527.5	4,427.9	4,455.4	4,430.9	18.6	10.7	160.20	273.7	68.7	857.8	835.2	22.61	37.934	
4,600.0	4,498.0	4,525.5	4,501.0	19.0	10.8	160.60	273.7	68.7	875.2	852.2	22.94	38.150	
4,626.0	4,523.1	4,550.6	4,526.1	19.2	10.9	160.75	273.7	68.7	881.4	858.4	23.06	38.227	
4,700.0	4,594.7	4,622.2	4,597.7	19.6	11.0	161.14	273.7	68.7	899.3	875.9	23.39	38.440	
4,724.4	4,618.3	4,645.8	4,621.3	19.7	11.0	161.27	273.7	68.7	905.1	881.6	23.50	38.509	
4,800.0	4,691.5	4,718.9	4,694.5	20.1	11.2	161.65	273.7	68.7	923.4	899.6	23.85	38.720	
4,822.8	4,713.5	4,741.0	4,716.5	20.2	11.2	161.76	273.7	68.7	928.9	905.0	23.95	38.782	
4,900.0	4,788.2	4,815.6	4,791.2	20.7	11.4	162.13	273.7	68.7	947.6	923.3	24.30	38.989	
4,921.2	4,808.7	4,836.2	4,811.7	20.8	11.4	162.23	273.7	68.7	952.8	928.4	24.40	39.045	
5,000.0	4,884.9	4,912.3	4,887.9	21.2	11.6	162.59	273.7	68.7	971.9	947.1	24.76	39.249	
5,019.7	4,903.9	4,931.4	4,906.9	21.3	11.6	162.68	273.7	68.7	976.7	951.8	24.85	39.299	
5,100.0	4,981.6	5,009.1	4,984.6	21.8	11.8	163.02	273.7	68.7	996.2	971.0	25.22	39.500	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,118.1	4,999.1	5,026.6	5,002.1	21.8	11.8	163.10	273.7	68.7	1,000.6	975.3	25.30	39.545	
5,200.0	5,078.3	5,105.8	5,081.3	22.3	12.0	163.44	273.7	68.7	1,020.6	994.9	25.68	39.742	
5,216.5	5,094.3	5,121.8	5,097.3	22.4	12.0	163.51	273.7	68.7	1,024.6	998.9	25.76	39.782	
5,300.0	5,175.1	5,202.5	5,178.1	22.8	12.2	163.84	273.7	68.7	1,045.0	1,018.9	26.14	39.976	
5,314.9	5,189.5	5,217.0	5,192.5	22.9	12.2	163.89	273.7	68.7	1,048.7	1,022.5	26.21	40.010	
5,400.0	5,271.8	5,299.2	5,274.8	23.4	12.4	164.21	273.7	68.7	1,069.5	1,042.9	26.60	40.201	
5,413.4	5,284.7	5,312.2	5,287.7	23.5	12.4	164.26	273.7	68.7	1,072.8	1,046.1	26.67	40.231	
5,500.0	5,368.5	5,395.9	5,371.5	23.9	12.6	164.57	273.7	68.7	1,094.0	1,067.0	27.07	40.418	
5,511.8	5,379.9	5,407.4	5,382.9	24.0	12.6	164.62	273.7	68.7	1,096.9	1,069.8	27.12	40.444	
5,600.0	5,465.2	5,492.7	5,468.2	24.5	12.8	164.92	273.7	68.7	1,118.6	1,091.1	27.53	40.628	
5,610.2	5,475.1	5,502.6	5,478.1	24.5	12.8	164.95	273.7	68.7	1,121.1	1,093.5	27.58	40.649	
5,647.2	5,510.9	5,538.3	5,513.9	24.7	12.9	165.08	273.7	68.7	1,130.2	1,102.5	27.75	40.725	
5,700.0	5,562.1	5,589.5	5,565.1	25.0	13.0	165.31	273.7	68.7	1,142.7	1,114.7	28.03	40.766	
5,708.6	5,570.5	5,597.9	5,573.5	25.0	13.0	165.35	273.7	68.7	1,144.7	1,116.6	28.07	40.774	
5,800.0	5,659.6	5,687.1	5,662.6	25.3	13.2	165.69	273.7	68.7	1,164.0	1,135.5	28.52	40.815	
5,807.1	5,666.6	5,694.0	5,669.6	25.4	13.2	165.71	273.7	68.7	1,165.4	1,136.8	28.55	40.816	
5,900.0	5,757.9	5,785.3	5,760.9	25.7	13.4	166.00	273.7	68.7	1,181.9	1,153.0	28.98	40.791	
5,905.5	5,763.3	5,790.8	5,766.3	25.7	13.4	166.02	273.7	68.7	1,182.8	1,153.8	29.00	40.788	
6,000.0	5,856.7	5,884.2	5,859.7	26.0	13.6	166.25	273.7	68.7	1,196.6	1,167.2	29.40	40.700	
6,003.9	5,860.6	5,888.1	5,863.6	26.0	13.6	166.25	273.7	68.7	1,197.1	1,167.7	29.42	40.695	
6,100.0	5,956.1	5,983.5	5,959.1	26.2	13.8	166.43	273.7	68.7	1,207.8	1,178.0	29.79	40.545	
6,102.3	5,958.4	5,985.9	5,961.4	26.2	13.8	166.43	273.7	68.7	1,208.1	1,178.3	29.80	40.541	
6,200.0	6,055.7	6,083.2	6,058.7	26.4	14.0	166.56	273.7	68.7	1,215.7	1,185.6	30.15	40.329	
6,200.8	6,056.5	6,084.0	6,059.5	26.4	14.0	166.56	273.7	68.7	1,215.8	1,185.6	30.15	40.327	
6,299.2	6,154.8	6,182.3	6,157.8	26.5	14.2	166.63	273.7	68.7	1,220.2	1,189.8	30.46	40.057	
6,300.0	6,155.6	6,183.1	6,158.6	26.5	14.2	166.63	273.7	68.7	1,220.2	1,189.8	30.46	40.054	
6,382.9	6,238.5	6,265.9	6,241.5	26.6	14.4	89.32	273.7	68.7	1,221.4	1,190.7	30.73	39.750	
6,397.6	6,253.2	6,280.7	6,256.2	26.6	14.4	89.32	273.7	68.7	1,221.4	1,190.6	30.78	39.679	
6,400.0	6,255.6	6,283.1	6,258.6	26.6	14.4	89.32	273.7	68.7	1,221.4	1,190.6	30.79	39.668	
6,412.9	6,268.5	6,295.9	6,271.5	26.6	14.4	89.32	273.7	68.7	1,221.4	1,190.6	30.84	39.605	
6,450.0	6,305.6	6,333.0	6,308.6	26.7	14.5	-90.93	273.7	68.7	1,221.4	1,190.5	30.96	39.455	
6,496.0	6,351.5	6,378.9	6,354.5	26.7	14.6	-91.11	273.7	68.7	1,221.5	1,190.4	31.13	39.242	
6,500.0	6,355.4	6,382.8	6,358.4	26.7	14.6	-91.13	273.7	68.7	1,221.5	1,190.4	31.14	39.223	
6,550.0	6,404.8	6,432.2	6,407.8	26.7	14.7	-91.48	273.7	68.7	1,221.7	1,190.4	31.33	39.000	
6,594.5	6,448.1	6,478.0	6,453.5	26.8	14.8	-91.87	272.5	68.7	1,221.9	1,190.5	31.46	38.837	
6,600.0	6,453.5	6,483.7	6,459.3	26.8	14.8	-91.92	272.1	68.7	1,222.0	1,190.5	31.48	38.818	
6,650.0	6,501.3	6,536.2	6,511.5	26.8	14.9	-92.37	266.7	68.7	1,222.3	1,190.7	31.60	38.686	
6,692.9	6,541.4	6,581.9	6,556.4	26.8	14.9	-92.74	258.9	68.7	1,222.7	1,191.0	31.67	38.610	
6,700.0	6,548.0	6,589.5	6,563.9	26.8	14.9	-92.80	257.4	68.7	1,222.8	1,191.1	31.68	38.599	
6,750.0	6,593.3	6,643.6	6,616.3	26.8	14.9	-93.23	243.9	68.6	1,223.3	1,191.5	31.73	38.550	
6,791.3	6,629.6	6,688.9	6,659.3	26.8	14.9	-93.57	229.6	68.6	1,223.7	1,191.9	31.76	38.533	
6,800.0	6,637.0	6,698.5	6,668.2	26.8	14.9	-93.64	226.2	68.5	1,223.8	1,192.0	31.76	38.531	
6,850.0	6,679.0	6,754.3	6,719.5	26.8	14.9	-94.03	204.2	68.5	1,224.4	1,192.6	31.78	38.531	
6,889.7	6,710.9	6,799.2	6,759.4	26.8	14.9	-94.33	183.7	68.4	1,224.9	1,193.1	31.79	38.535	
6,900.0	6,718.9	6,810.8	6,769.5	26.8	14.9	-94.41	178.0	68.4	1,225.0	1,193.2	31.79	38.536	
6,950.0	6,756.7	6,868.2	6,818.0	26.8	14.9	-94.77	147.3	68.3	1,225.6	1,193.8	31.81	38.527	
6,988.2	6,783.9	6,912.5	6,853.7	26.8	14.9	-95.02	121.1	68.2	1,226.1	1,194.2	31.85	38.499	
7,000.0	6,792.0	6,926.3	6,864.5	26.8	14.9	-95.10	112.5	68.1	1,226.2	1,194.3	31.86	38.487	
7,050.0	6,824.8	6,985.2	6,908.6	26.8	15.0	-95.40	73.4	68.0	1,226.8	1,194.8	31.95	38.393	
7,086.6	6,847.2	7,028.8	6,939.0	26.8	15.0	-95.61	42.3	67.9	1,227.2	1,195.2	32.06	38.277	
7,100.0	6,854.9	7,044.8	6,949.7	26.8	15.0	-95.68	30.3	67.8	1,227.4	1,195.3	32.11	38.227	
7,150.0	6,882.2	7,105.1	6,987.6	26.8	15.1	-95.93	-16.5	67.7	1,227.9	1,195.5	32.34	37.964	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,185.0	6,899.5	7,147.6	7,011.8	26.8	15.3	-96.08	-51.5	67.5	1,228.2	1,195.6	32.57	37.709	
7,200.0	6,906.5	7,165.9	7,021.6	26.9	15.3	-96.14	-66.9	67.5	1,228.3	1,195.7	32.68	37.588	
7,250.0	6,927.6	7,227.2	7,051.5	26.9	15.5	-96.31	-120.4	67.3	1,228.7	1,195.6	33.12	37.095	
7,283.4	6,940.0	7,268.4	7,069.0	27.0	15.7	-96.41	-157.8	67.1	1,229.0	1,195.5	33.49	36.692	
7,300.0	6,945.5	7,288.9	7,076.8	27.0	15.8	-96.45	-176.6	67.1	1,229.1	1,195.4	33.69	36.483	
7,350.0	6,960.2	7,350.9	7,097.3	27.1	16.2	-96.54	-235.2	66.9	1,229.3	1,194.9	34.38	35.759	
7,381.9	6,967.8	7,390.5	7,107.7	27.2	16.5	-96.58	-273.4	66.7	1,229.4	1,194.5	34.89	35.234	
7,400.0	6,971.5	7,413.1	7,112.7	27.2	16.7	-96.60	-295.4	66.6	1,229.4	1,194.2	35.20	34.928	
7,450.0	6,979.3	7,475.4	7,122.9	27.4	17.2	-96.61	-356.9	66.4	1,229.4	1,193.3	36.14	34.021	
7,480.3	6,982.4	7,513.2	7,126.4	27.5	17.5	-96.60	-394.5	66.3	1,229.4	1,192.7	36.76	33.442	
7,500.0	6,983.7	7,537.7	7,127.6	27.5	17.7	-96.58	-419.0	66.2	1,229.4	1,192.2	37.18	33.062	
7,539.5	6,984.7	7,582.1	7,128.0	27.7	18.2	-96.55	-463.4	66.0	1,229.3	1,191.3	38.03	32.323	
7,541.4	6,984.7	7,584.0	7,127.9	27.7	18.2	-96.55	-465.3	66.0	1,229.3	1,191.2	38.07	32.289	
7,578.7	6,984.5	7,621.4	7,127.9	27.9	18.6	-96.56	-502.6	65.9	1,229.3	1,190.5	38.85	31.645	
7,600.0	6,984.4	7,642.6	7,127.8	28.0	18.8	-96.56	-523.9	65.8	1,229.3	1,190.0	39.30	31.282	
7,677.1	6,984.0	7,719.8	7,127.6	28.5	19.7	-96.57	-601.0	65.5	1,229.3	1,188.4	40.97	30.009	
7,700.0	6,983.9	7,742.6	7,127.6	28.6	19.9	-96.57	-623.9	65.4	1,229.3	1,187.9	41.45	29.659	
7,775.6	6,983.5	7,818.2	7,127.4	29.2	20.8	-96.58	-699.5	65.2	1,229.4	1,186.2	43.13	28.502	
7,800.0	6,983.4	7,842.6	7,127.4	29.4	21.0	-96.58	-723.9	65.1	1,229.4	1,185.7	43.70	28.135	
7,874.0	6,983.1	7,916.6	7,127.2	30.0	21.9	-96.59	-797.9	64.8	1,229.4	1,183.9	45.52	27.007	
7,900.0	6,982.9	7,942.6	7,127.1	30.3	22.3	-96.60	-823.9	64.7	1,229.4	1,183.2	46.21	26.604	
7,972.4	6,982.6	8,015.1	7,127.0	31.0	23.3	-96.60	-896.3	64.4	1,229.4	1,181.2	48.21	25.502	
8,000.0	6,982.4	8,042.6	7,126.9	31.3	23.7	-96.61	-923.9	64.3	1,229.4	1,180.4	48.99	25.098	
8,070.8	6,982.1	8,113.5	7,126.7	32.1	24.8	-96.62	-994.7	64.1	1,229.5	1,178.4	51.04	24.087	
8,100.0	6,982.0	8,142.6	7,126.7	32.4	25.2	-96.62	-1,023.9	64.0	1,229.5	1,177.6	51.90	23.688	
8,169.3	6,981.6	8,211.9	7,126.5	33.2	26.3	-96.63	-1,093.2	63.7	1,229.5	1,175.5	54.00	22.769	
8,200.0	6,981.5	8,242.6	7,126.5	33.6	26.8	-96.63	-1,123.9	63.6	1,229.5	1,174.6	54.94	22.378	
8,267.7	6,981.1	8,310.3	7,126.3	34.5	27.9	-96.64	-1,191.6	63.4	1,229.5	1,172.5	57.06	21.548	
8,300.0	6,981.0	8,342.6	7,126.2	34.9	28.4	-96.64	-1,223.9	63.2	1,229.5	1,171.4	58.08	21.170	
8,366.1	6,980.7	8,408.8	7,126.1	35.8	29.5	-96.65	-1,290.0	63.0	1,229.5	1,169.3	60.21	20.423	
8,400.0	6,980.5	8,442.6	7,126.0	36.3	30.0	-96.66	-1,323.9	62.9	1,229.6	1,168.3	61.30	20.057	
8,464.5	6,980.2	8,507.2	7,125.9	37.2	31.1	-96.66	-1,388.4	62.6	1,229.6	1,166.2	63.43	19.386	
8,500.0	6,980.0	8,542.6	7,125.8	37.7	31.7	-96.67	-1,423.9	62.5	1,229.6	1,165.0	64.60	19.033	
8,563.0	6,979.7	8,605.6	7,125.6	38.6	32.7	-96.68	-1,486.8	62.3	1,229.6	1,162.9	66.71	18.432	
8,600.0	6,979.5	8,642.6	7,125.5	39.1	33.4	-96.68	-1,523.9	62.1	1,229.6	1,161.7	67.96	18.093	
8,661.4	6,979.2	8,704.0	7,125.4	40.1	34.4	-96.69	-1,585.3	61.9	1,229.6	1,159.6	70.05	17.553	
8,700.0	6,979.0	8,742.6	7,125.3	40.7	35.1	-96.69	-1,623.9	61.8	1,229.7	1,158.3	71.38	17.228	
8,759.8	6,978.7	8,802.5	7,125.2	41.6	36.1	-96.70	-1,683.7	61.6	1,229.7	1,156.2	73.44	16.744	
8,800.0	6,978.5	8,842.6	7,125.1	42.2	36.8	-96.70	-1,723.9	61.4	1,229.7	1,154.9	74.83	16.432	
8,858.2	6,978.2	8,900.9	7,125.0	43.1	37.8	-96.71	-1,782.1	61.2	1,229.7	1,152.8	76.87	15.998	
8,900.0	6,978.0	8,942.6	7,124.9	43.8	38.6	-96.72	-1,823.9	61.0	1,229.7	1,151.4	78.33	15.699	
8,956.7	6,977.8	8,999.3	7,124.7	44.7	39.6	-96.72	-1,880.5	60.8	1,229.7	1,149.4	80.33	15.308	
9,000.0	6,977.5	9,042.6	7,124.6	45.4	40.3	-96.73	-1,923.9	60.7	1,229.8	1,147.9	81.87	15.021	
9,055.1	6,977.3	9,097.7	7,124.5	46.3	41.3	-96.74	-1,979.0	60.5	1,229.8	1,145.9	83.83	14.670	
9,100.0	6,977.1	9,142.6	7,124.4	47.1	42.1	-96.74	-2,023.9	60.3	1,229.8	1,144.4	85.43	14.395	
9,153.5	6,976.8	9,196.2	7,124.3	48.0	43.1	-96.75	-2,077.4	60.1	1,229.8	1,142.5	87.35	14.079	
9,200.0	6,976.6	9,242.6	7,124.2	48.8	43.9	-96.75	-2,123.9	60.0	1,229.8	1,140.8	89.02	13.815	
9,251.9	6,976.3	9,294.6	7,124.1	49.7	44.9	-96.76	-2,175.8	59.8	1,229.8	1,138.9	90.90	13.530	
9,300.0	6,976.1	9,342.6	7,124.0	50.5	45.7	-96.77	-2,223.9	59.6	1,229.9	1,137.2	92.64	13.276	
9,350.4	6,975.8	9,393.0	7,123.9	51.3	46.6	-96.77	-2,274.2	59.4	1,229.9	1,135.4	94.47	13.019	
9,400.0	6,975.6	9,442.6	7,123.7	52.2	47.5	-96.78	-2,323.9	59.2	1,229.9	1,133.6	96.28	12.775	
9,448.8	6,975.3	9,491.4	7,123.6	53.1	48.4	-96.78	-2,372.7	59.0	1,229.9	1,131.9	98.06	12.543	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWMD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.0	6,975.1	9,542.6	7,123.5	54.0	49.4	-96.79	-2,423.9	58.9	1,229.9	1,130.0	99.93	12.308	
9,547.2	6,974.9	9,589.8	7,123.4	54.8	50.2	-96.80	-2,471.1	58.7	1,229.9	1,128.3	101.66	12.098	
9,600.0	6,974.6	9,642.6	7,123.3	55.7	51.2	-96.80	-2,523.8	58.5	1,230.0	1,126.4	103.60	11.872	
9,645.6	6,974.4	9,688.3	7,123.2	56.5	52.0	-96.81	-2,569.5	58.3	1,230.0	1,124.7	105.28	11.683	
9,700.0	6,974.1	9,742.6	7,123.1	57.5	53.0	-96.81	-2,623.8	58.1	1,230.0	1,122.7	107.29	11.464	
9,744.1	6,973.9	9,786.7	7,123.0	58.3	53.8	-96.82	-2,667.9	58.0	1,230.0	1,121.1	108.92	11.293	
9,800.0	6,973.6	9,842.6	7,122.8	59.3	54.9	-96.83	-2,723.8	57.8	1,230.0	1,119.0	110.99	11.083	
9,842.5	6,973.4	9,885.1	7,122.7	60.0	55.7	-96.83	-2,766.3	57.6	1,230.1	1,117.5	112.56	10.928	
9,900.0	6,973.1	9,942.6	7,122.6	61.1	56.7	-96.84	-2,823.8	57.4	1,230.1	1,115.4	114.70	10.724	
9,940.9	6,972.9	9,983.5	7,122.5	61.8	57.5	-96.84	-2,864.8	57.2	1,230.1	1,113.9	116.22	10.584	
10,000.0	6,972.6	10,042.6	7,122.4	62.9	58.6	-96.85	-2,923.8	57.0	1,230.1	1,111.7	118.42	10.387	
10,039.3	6,972.4	10,082.0	7,122.3	63.6	59.3	-96.86	-2,963.2	56.9	1,230.1	1,110.2	119.89	10.260	
10,100.0	6,972.1	10,142.6	7,122.2	64.7	60.4	-96.86	-3,023.8	56.7	1,230.1	1,108.0	122.16	10.070	
10,137.8	6,972.0	10,180.4	7,122.1	65.4	61.1	-96.87	-3,061.6	56.5	1,230.2	1,106.6	123.57	9.955	
10,200.0	6,971.6	10,242.6	7,121.9	66.6	62.3	-96.88	-3,123.8	56.3	1,230.2	1,104.3	125.90	9.771	
10,236.2	6,971.5	10,278.8	7,121.9	67.2	63.0	-96.88	-3,160.0	56.2	1,230.2	1,102.9	127.25	9.667	
10,300.0	6,971.2	10,342.6	7,121.7	68.4	64.1	-96.89	-3,223.8	55.9	1,230.2	1,100.6	129.65	9.489	
10,334.6	6,971.0	10,377.2	7,121.6	69.0	64.8	-96.89	-3,258.5	55.8	1,230.2	1,099.3	130.95	9.395	
10,400.0	6,970.7	10,442.6	7,121.5	70.2	66.0	-96.90	-3,323.8	55.6	1,230.3	1,096.8	133.41	9.222	
10,433.0	6,970.5	10,475.7	7,121.4	70.9	66.6	-96.90	-3,356.9	55.5	1,230.3	1,095.6	134.65	9.137	
10,500.0	6,970.2	10,542.6	7,121.3	72.1	67.9	-96.91	-3,423.8	55.2	1,230.3	1,093.1	137.17	8.969	
10,531.5	6,970.0	10,574.1	7,121.2	72.7	68.5	-96.92	-3,455.3	55.1	1,230.3	1,091.9	138.36	8.892	
10,600.0	6,969.7	10,642.6	7,121.0	74.0	69.7	-96.93	-3,523.8	54.8	1,230.3	1,089.4	140.94	8.729	
10,629.9	6,969.5	10,672.5	7,121.0	74.5	70.3	-96.93	-3,553.7	54.7	1,230.3	1,088.3	142.07	8.660	
10,700.0	6,969.2	10,742.6	7,120.8	75.8	71.6	-96.94	-3,623.8	54.5	1,230.4	1,085.6	144.72	8.502	
10,728.3	6,969.0	10,770.9	7,120.7	76.4	72.2	-96.94	-3,652.2	54.4	1,230.4	1,084.6	145.79	8.439	
10,800.0	6,968.7	10,842.6	7,120.6	77.7	73.5	-96.95	-3,723.8	54.1	1,230.4	1,081.9	148.50	8.286	
10,826.7	6,968.6	10,869.4	7,120.5	78.2	74.0	-96.95	-3,750.6	54.0	1,230.4	1,080.9	149.51	8.229	
10,900.0	6,968.2	10,942.6	7,120.4	79.6	75.4	-96.96	-3,823.8	53.7	1,230.4	1,078.2	152.29	8.080	
10,925.2	6,968.1	10,967.8	7,120.3	80.1	75.9	-96.97	-3,849.0	53.7	1,230.5	1,077.2	153.24	8.029	
11,000.0	6,967.7	11,042.6	7,120.1	81.5	77.3	-96.97	-3,923.8	53.4	1,230.5	1,074.4	156.08	7.884	
11,023.6	6,967.6	11,066.2	7,120.1	81.9	77.7	-96.98	-3,947.4	53.3	1,230.5	1,073.5	156.97	7.839	
11,100.0	6,967.2	11,142.6	7,119.9	83.4	79.1	-96.99	-4,023.8	53.0	1,230.5	1,070.6	159.87	7.697	
11,122.0	6,967.1	11,164.6	7,119.9	83.8	79.6	-96.99	-4,045.8	52.9	1,230.5	1,069.8	160.71	7.657	
11,200.0	6,966.7	11,242.6	7,119.7	85.3	81.0	-97.00	-4,123.8	52.7	1,230.6	1,066.9	163.67	7.518	
11,220.4	6,966.6	11,263.1	7,119.6	85.7	81.4	-97.00	-4,144.3	52.6	1,230.6	1,066.1	164.45	7.483	
11,300.0	6,966.2	11,342.6	7,119.5	87.2	82.9	-97.01	-4,223.8	52.3	1,230.6	1,063.1	167.48	7.348	
11,318.9	6,966.1	11,361.5	7,119.4	87.5	83.3	-97.01	-4,242.7	52.2	1,230.6	1,062.4	168.20	7.316	
11,400.0	6,965.7	11,442.6	7,119.2	89.1	84.8	-97.02	-4,323.8	51.9	1,230.6	1,059.4	171.29	7.185	
11,417.3	6,965.6	11,459.9	7,119.2	89.4	85.1	-97.03	-4,341.1	51.9	1,230.6	1,058.7	171.94	7.157	
11,500.0	6,965.2	11,542.6	7,119.0	91.0	86.7	-97.04	-4,423.8	51.6	1,230.7	1,055.6	175.10	7.029	
11,515.7	6,965.2	11,558.3	7,119.0	91.3	87.0	-97.04	-4,439.5	51.5	1,230.7	1,055.0	175.69	7.005	
11,600.0	6,964.7	11,642.6	7,118.8	92.9	88.6	-97.05	-4,523.8	51.2	1,230.7	1,051.8	178.91	6.879	
11,614.1	6,964.7	11,656.8	7,118.7	93.2	88.8	-97.05	-4,538.0	51.1	1,230.7	1,051.3	179.45	6.858	
11,700.0	6,964.3	11,742.6	7,118.6	94.8	90.5	-97.06	-4,623.8	50.8	1,230.8	1,048.0	182.72	6.736	
11,712.6	6,964.2	11,755.2	7,118.5	95.1	90.7	-97.06	-4,636.4	50.8	1,230.8	1,047.6	183.20	6.718	
11,800.0	6,963.8	11,842.6	7,118.3	96.7	92.4	-97.07	-4,723.8	50.5	1,230.8	1,044.3	186.54	6.598	
11,811.0	6,963.7	11,853.6	7,118.3	97.0	92.6	-97.08	-4,734.8	50.4	1,230.8	1,043.8	186.96	6.583	
11,900.0	6,963.3	11,942.6	7,118.1	98.7	94.3	-97.09	-4,823.8	50.1	1,230.8	1,040.5	190.36	6.466	
11,909.4	6,963.2	11,952.0	7,118.1	98.9	94.4	-97.09	-4,833.2	50.1	1,230.8	1,040.1	190.72	6.454	
12,000.0	6,962.8	12,042.6	7,117.9	100.6	96.2	-97.10	-4,923.8	49.7	1,230.9	1,036.7	194.19	6.339	
12,007.8	6,962.7	12,050.4	7,117.9	100.7	96.3	-97.10	-4,931.7	49.7	1,230.9	1,036.4	194.49	6.329	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,100.0	6,962.3	12,142.6	7,117.7	102.5	98.0	-97.11	-5,023.8	49.4	1,230.9	1,032.9	198.01	6.216	
12,106.3	6,962.2	12,148.9	7,117.6	102.6	98.2	-97.11	-5,030.1	49.4	1,230.9	1,032.7	198.25	6.209	
12,200.0	6,961.8	12,242.6	7,117.4	104.5	99.9	-97.12	-5,123.8	49.0	1,231.0	1,029.1	201.84	6.099	
12,204.7	6,961.8	12,247.3	7,117.4	104.5	100.0	-97.12	-5,128.5	49.0	1,231.0	1,028.9	202.02	6.093	
12,300.0	6,961.3	12,342.6	7,117.2	106.4	101.8	-97.14	-5,223.8	48.7	1,231.0	1,025.3	205.67	5.985	
12,303.1	6,961.3	12,345.7	7,117.2	106.4	101.9	-97.14	-5,226.9	48.6	1,231.0	1,025.2	205.79	5.982	
12,400.0	6,960.8	12,442.6	7,117.0	108.3	103.7	-97.15	-5,323.8	48.3	1,231.0	1,021.5	209.50	5.876	
12,401.5	6,960.8	12,444.1	7,117.0	108.3	103.8	-97.15	-5,325.3	48.3	1,231.0	1,021.5	209.56	5.875	
12,500.0	6,960.3	12,542.6	7,116.8	110.3	105.6	-97.16	-5,423.8	47.9	1,231.1	1,017.8	213.33	5.771	
12,598.4	6,959.8	12,641.0	7,116.5	112.2	107.5	-97.17	-5,522.2	47.6	1,231.1	1,014.0	217.10	5.671	
12,600.0	6,959.8	12,642.6	7,116.5	112.2	107.5	-97.17	-5,523.8	47.6	1,231.1	1,014.0	217.16	5.669	
12,696.8	6,959.3	12,739.4	7,116.3	114.1	109.4	-97.19	-5,620.6	47.2	1,231.2	1,010.3	220.88	5.574	
12,700.0	6,959.3	12,742.6	7,116.3	114.1	109.4	-97.19	-5,623.8	47.2	1,231.2	1,010.2	221.00	5.571	
12,795.2	6,958.8	12,837.8	7,116.1	116.0	111.2	-97.20	-5,719.0	46.9	1,231.2	1,006.6	224.65	5.480	
12,800.0	6,958.8	12,842.6	7,116.1	116.1	111.3	-97.20	-5,723.8	46.8	1,231.2	1,006.4	224.83	5.476	
12,893.7	6,958.3	12,936.3	7,115.9	117.9	113.1	-97.21	-5,817.5	46.5	1,231.3	1,002.8	228.43	5.390	
12,900.0	6,958.3	12,942.6	7,115.9	118.0	113.2	-97.21	-5,823.8	46.5	1,231.3	1,002.6	228.67	5.384	
12,992.1	6,957.9	13,034.7	7,115.7	119.8	115.0	-97.22	-5,915.9	46.1	1,231.3	999.1	232.21	5.303	
13,000.0	6,957.8	13,042.6	7,115.6	120.0	115.1	-97.22	-5,923.8	46.1	1,231.3	998.8	232.51	5.296	
13,090.5	6,957.4	13,133.1	7,115.4	121.7	116.9	-97.23	-6,014.3	45.8	1,231.3	995.3	235.99	5.218	
13,100.0	6,957.3	13,142.6	7,115.4	121.9	117.0	-97.24	-6,023.8	45.7	1,231.3	995.0	236.35	5.210	
13,188.9	6,956.9	13,231.5	7,115.2	123.6	118.7	-97.25	-6,112.7	45.4	1,231.4	991.6	239.77	5.136	
13,200.0	6,956.8	13,242.6	7,115.2	123.9	118.9	-97.25	-6,123.8	45.4	1,231.4	991.2	240.19	5.127	
13,287.4	6,956.4	13,330.0	7,115.0	125.6	120.6	-97.26	-6,211.2	45.1	1,231.4	987.9	243.55	5.056	
13,300.0	6,956.3	13,342.6	7,115.0	125.8	120.9	-97.26	-6,223.8	45.0	1,231.4	987.4	244.04	5.046	
13,385.8	6,955.9	13,428.4	7,114.8	127.5	122.5	-97.27	-6,309.6	44.7	1,231.5	984.1	247.33	4.979	
13,400.0	6,955.8	13,442.6	7,114.7	127.8	122.8	-97.27	-6,323.8	44.7	1,231.5	983.6	247.88	4.968	
13,484.2	6,955.4	13,526.8	7,114.5	129.4	124.4	-97.28	-6,408.0	44.3	1,231.5	980.4	251.12	4.904	
13,500.0	6,955.3	13,542.6	7,114.5	129.7	124.7	-97.29	-6,423.8	44.3	1,231.5	979.8	251.72	4.892	
13,582.6	6,954.9	13,625.2	7,114.3	131.3	126.2	-97.30	-6,506.4	44.0	1,231.6	976.7	254.90	4.831	
13,600.0	6,954.8	13,642.6	7,114.3	131.7	126.6	-97.30	-6,523.8	43.9	1,231.6	976.0	255.57	4.819	
13,681.1	6,954.4	13,723.7	7,114.1	133.2	128.1	-97.31	-6,604.8	43.6	1,231.6	972.9	258.69	4.761	
13,700.0	6,954.3	13,742.6	7,114.1	133.6	128.5	-97.31	-6,623.8	43.6	1,231.6	972.2	259.41	4.748	
13,779.5	6,953.9	13,822.1	7,113.9	135.2	130.0	-97.32	-6,703.3	43.3	1,231.6	969.2	262.47	4.692	
13,800.0	6,953.8	13,842.6	7,113.8	135.6	130.4	-97.32	-6,723.8	43.2	1,231.6	968.4	263.26	4.678	
13,877.9	6,953.5	13,920.5	7,113.7	137.1	131.9	-97.33	-6,801.7	42.9	1,231.7	965.4	266.26	4.626	
13,900.0	6,953.3	13,942.6	7,113.6	137.5	132.3	-97.34	-6,823.8	42.8	1,231.7	964.6	267.11	4.611	
13,976.3	6,953.0	14,018.9	7,113.4	139.0	133.7	-97.35	-6,900.1	42.6	1,231.7	961.7	270.05	4.561	
14,000.0	6,952.8	14,042.6	7,113.4	139.5	134.2	-97.35	-6,923.8	42.5	1,231.7	960.8	270.96	4.546	
14,074.8	6,952.5	14,117.3	7,113.2	140.9	135.6	-97.36	-6,998.5	42.2	1,231.8	957.9	273.83	4.498	
14,100.0	6,952.4	14,142.6	7,113.2	141.4	136.1	-97.36	-7,023.8	42.1	1,231.8	957.0	274.80	4.482	
14,170.4	6,952.0	14,213.0	7,113.0	142.8	137.4	-97.37	-7,094.1	41.9	1,231.8	954.4	277.45	4.440 SF	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	6.0	6.0	0.0	0.0	90.00	0.0	178.4	178.4				
98.4	98.4	104.4	104.4	0.1	0.1	90.00	0.0	178.4	178.4	178.2	0.20	880.800	
100.0	100.0	106.0	106.0	0.1	0.1	90.00	0.0	178.4	178.4	178.2	0.21	858.304	
196.8	196.8	202.8	202.8	0.3	0.3	90.00	0.0	178.4	178.4	177.8	0.64	277.404	
200.0	200.0	206.0	206.0	0.3	0.3	90.00	0.0	178.4	178.4	177.8	0.66	271.430	
295.3	295.3	301.3	301.3	0.5	0.5	90.00	0.0	178.4	178.4	177.4	1.09	164.358	
300.0	300.0	306.0	306.0	0.5	0.6	90.00	0.0	178.4	178.4	177.3	1.11	161.204	
393.7	393.7	399.7	399.7	0.8	0.8	90.00	0.0	178.4	178.4	176.9	1.53	116.772	
400.0	400.0	406.0	406.0	0.8	0.8	90.00	0.0	178.4	178.4	176.9	1.56	114.647	
492.1	492.1	498.1	498.1	1.0	1.0	90.00	0.0	178.4	178.4	176.5	1.97	90.554	
500.0	500.0	506.0	506.0	1.0	1.0	90.00	0.0	178.4	178.4	176.4	2.01	88.956	
590.5	590.5	596.5	596.5	1.2	1.2	90.00	0.0	178.4	178.4	176.0	2.41	73.950	
600.0	600.0	606.0	606.0	1.2	1.2	90.00	0.0	178.4	178.4	176.0	2.46	72.671	
689.0	689.0	695.0	695.0	1.4	1.4	90.00	0.0	178.4	178.4	175.6	2.86	62.492	
700.0	700.0	706.0	706.0	1.4	1.5	90.00	0.0	178.4	178.4	175.5	2.91	61.426	
787.4	787.4	793.4	793.4	1.6	1.7	90.00	0.0	178.4	178.4	175.2	3.30	54.108	
800.0	800.0	806.0	806.0	1.7	1.7	90.00	0.0	178.4	178.4	175.1	3.35	53.195	
885.8	885.8	891.8	891.8	1.9	1.9	90.00	0.0	178.4	178.4	174.7	3.74	47.708	
900.0	900.0	906.0	906.0	1.9	1.9	90.00	0.0	178.4	178.4	174.6	3.80	46.909	
984.2	984.2	990.2	990.2	2.1	2.1	90.00	0.0	178.4	178.4	174.3	4.18	42.662	
986.5	986.5	992.5	992.5	2.1	2.1	90.00	0.0	178.4	178.4	174.3	4.19	42.558 CC	
1,000.0	1,000.0	1,005.7	1,005.7	2.1	2.1	90.00	0.0	178.5	178.5	174.2	4.25	41.965 ES	
1,082.7	1,082.7	1,083.7	1,083.7	2.3	2.3	167.26	0.4	179.6	180.8	176.2	4.60	39.327	
1,100.0	1,100.0	1,100.0	1,100.0	2.3	2.3	167.23	0.6	180.1	181.9	177.2	4.67	38.946	
1,181.1	1,181.0	1,176.1	1,176.0	2.5	2.5	167.07	1.9	183.5	189.4	184.4	5.00	37.893	
1,200.0	1,199.8	1,193.8	1,193.6	2.5	2.5	167.03	2.2	184.6	191.8	186.7	5.08	37.792	
1,279.5	1,279.1	1,267.5	1,267.1	2.7	2.7	166.79	4.3	190.2	204.3	198.9	5.40	37.825	
1,300.0	1,299.5	1,286.3	1,285.9	2.8	2.7	166.73	4.9	191.9	208.1	202.6	5.48	37.957	
1,377.9	1,376.9	1,357.3	1,356.4	3.0	2.9	166.46	7.6	199.4	225.2	219.4	5.80	38.815	
1,400.0	1,398.7	1,377.2	1,376.1	3.0	3.0	166.38	8.5	201.8	230.8	224.9	5.89	39.165	
1,476.4	1,474.2	1,445.1	1,443.3	3.2	3.1	166.09	11.8	210.9	252.2	246.0	6.20	40.647	
1,500.0	1,497.5	1,465.8	1,463.7	3.3	3.2	166.00	12.9	214.0	259.5	253.2	6.30	41.198	
1,574.8	1,571.0	1,530.3	1,527.3	3.5	3.4	165.72	16.7	224.5	284.9	278.3	6.60	43.146	
1,600.0	1,595.6	1,551.7	1,548.3	3.6	3.5	165.62	18.1	228.2	294.2	287.5	6.70	43.882	
1,673.2	1,667.0	1,614.0	1,609.4	3.9	3.7	165.35	22.3	240.0	323.2	316.2	7.00	46.157	
1,700.0	1,693.1	1,638.4	1,633.1	4.0	3.7	165.25	24.1	244.8	334.4	327.3	7.11	47.014	
1,735.7	1,727.6	1,670.6	1,664.7	4.1	3.9	165.15	26.3	251.1	349.7	342.4	7.26	48.153	
1,771.6	1,762.4	1,703.1	1,696.4	4.3	4.0	165.14	28.6	257.5	365.2	357.8	7.42	49.194	
1,800.0	1,789.8	1,728.6	1,721.4	4.4	4.1	165.14	30.5	262.4	377.5	369.9	7.55	49.995	
1,870.1	1,857.6	1,791.8	1,783.2	4.7	4.3	165.13	34.9	274.8	407.8	399.9	7.87	51.808	
1,900.0	1,886.6	1,818.8	1,809.6	4.8	4.4	165.12	36.8	280.1	420.8	412.8	8.00	52.568	
1,968.5	1,952.8	1,880.5	1,870.0	5.2	4.6	165.12	41.2	292.1	450.4	442.1	8.32	54.129	
2,000.0	1,983.3	1,908.9	1,897.8	5.3	4.7	165.11	43.2	297.7	464.0	455.6	8.47	54.757	
2,066.9	2,048.0	1,969.3	1,956.8	5.6	5.0	165.10	47.5	309.5	493.0	484.2	8.79	56.066	
2,100.0	2,080.0	1,999.1	1,986.0	5.8	5.1	165.10	49.6	315.3	507.3	498.3	8.95	56.683	
2,165.3	2,143.2	2,058.0	2,043.6	6.1	5.3	165.10	53.8	326.8	535.6	526.3	9.27	57.800	
2,200.0	2,176.7	2,089.2	2,074.2	6.3	5.5	165.09	56.0	332.9	550.5	541.1	9.43	58.362	
2,263.8	2,238.4	2,146.7	2,130.4	6.6	5.7	165.09	60.1	344.2	578.1	568.4	9.75	59.323	
2,300.0	2,273.4	2,179.4	2,162.4	6.8	5.8	165.09	62.4	350.6	593.8	583.9	9.92	59.839	
2,362.2	2,333.6	2,235.5	2,217.2	7.1	6.1	165.08	66.4	361.5	620.7	610.5	10.23	60.667	
2,400.0	2,370.2	2,269.6	2,250.5	7.3	6.2	165.08	68.8	368.2	637.1	626.7	10.42	61.143	
2,460.6	2,428.8	2,324.2	2,304.0	7.6	6.4	165.08	72.6	378.9	663.3	652.6	10.72	61.861	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,500.0	2,466.9	2,359.7	2,338.7	7.8	6.6	165.07	75.2	385.8	680.3	669.4	10.92	62.302	
2,559.0	2,524.0	2,413.0	2,390.8	8.1	6.8	165.07	78.9	396.2	705.9	694.7	11.22	62.927	
2,600.0	2,563.6	2,449.9	2,426.9	8.3	7.0	165.07	81.6	403.4	723.6	712.2	11.42	63.336	
2,657.5	2,619.2	2,501.7	2,477.6	8.6	7.2	165.07	85.2	413.6	748.5	736.7	11.72	63.881	
2,700.0	2,660.3	2,540.0	2,515.1	8.8	7.4	165.07	87.9	421.1	766.9	754.9	11.93	64.262	
2,755.9	2,714.4	2,590.4	2,564.4	9.1	7.6	165.06	91.5	430.9	791.0	778.8	12.22	64.738	
2,800.0	2,757.0	2,630.2	2,603.3	9.4	7.8	165.06	94.3	438.7	810.1	797.7	12.45	65.095	
2,854.3	2,809.6	2,679.2	2,651.2	9.6	8.0	165.06	97.8	448.3	833.6	820.9	12.72	65.513	
2,900.0	2,853.8	2,720.3	2,691.5	9.9	8.1	165.06	100.7	456.3	853.4	840.4	12.96	65.848	
2,952.7	2,904.8	2,767.9	2,738.0	10.2	8.4	165.06	104.1	465.6	876.2	863.0	13.23	66.215	
3,000.0	2,950.5	2,810.5	2,779.7	10.4	8.5	165.06	107.1	473.9	896.7	883.2	13.48	66.530	
3,051.2	3,000.0	2,856.6	2,824.8	10.7	8.7	165.05	110.4	483.0	918.8	905.0	13.74	66.854	
3,100.0	3,047.2	2,900.7	2,867.9	10.9	8.9	165.05	113.5	491.6	939.9	925.9	14.00	67.151	
3,149.6	3,095.2	2,945.4	2,911.6	11.2	9.1	165.05	116.7	500.3	961.4	947.1	14.26	67.437	
3,200.0	3,143.9	2,990.8	2,956.0	11.5	9.3	165.05	119.9	509.2	983.2	968.7	14.52	67.717	
3,248.0	3,190.4	3,034.1	2,998.4	11.7	9.5	165.05	122.9	517.7	1,004.0	989.2	14.77	67.971	
3,300.0	3,240.6	3,081.0	3,044.2	12.0	9.7	165.05	126.3	526.8	1,026.4	1,011.4	15.04	68.235	
3,346.4	3,285.6	3,122.8	3,085.2	12.3	9.9	165.05	129.2	535.0	1,046.5	1,031.2	15.29	68.461	
3,400.0	3,337.4	3,171.1	3,132.4	12.5	10.1	165.05	132.7	544.4	1,069.7	1,054.1	15.57	68.711	
3,444.9	3,380.8	3,211.6	3,172.0	12.8	10.3	165.04	135.5	552.3	1,089.1	1,073.3	15.80	68.913	
3,500.0	3,434.1	3,261.3	3,220.6	13.1	10.5	165.04	139.0	562.1	1,113.0	1,096.9	16.09	69.150	
3,543.3	3,476.0	3,300.3	3,258.8	13.3	10.7	165.04	141.8	569.7	1,131.7	1,115.4	16.32	69.329	
3,600.0	3,530.8	3,351.4	3,308.8	13.6	10.9	165.04	145.4	579.7	1,156.2	1,139.6	16.62	69.555	
3,641.7	3,571.2	3,389.1	3,345.6	13.8	11.1	165.04	148.1	587.0	1,174.3	1,157.4	16.84	69.714	
3,700.0	3,627.5	3,441.6	3,397.0	14.2	11.3	165.04	151.8	597.3	1,199.5	1,182.3	17.15	69.929	
3,740.1	3,666.4	3,477.8	3,432.4	14.4	11.5	165.04	154.4	604.4	1,216.9	1,199.5	17.37	70.072	
3,800.0	3,724.2	3,531.8	3,485.2	14.7	11.7	165.04	158.2	614.9	1,242.8	1,225.1	17.68	70.277	
3,838.6	3,761.6	3,566.5	3,519.2	14.9	11.9	165.04	160.7	621.7	1,259.4	1,241.6	17.89	70.404	
3,900.0	3,821.0	3,621.9	3,573.3	15.2	12.1	165.04	164.6	632.6	1,286.0	1,267.8	18.22	70.600	
3,937.0	3,856.8	3,655.3	3,606.0	15.4	12.3	165.04	167.0	639.1	1,302.0	1,283.6	18.41	70.713	
4,000.0	3,917.7	3,712.1	3,661.5	15.8	12.5	165.04	171.0	650.2	1,329.3	1,310.5	18.75	70.901	
4,035.4	3,951.9	3,744.0	3,692.8	16.0	12.7	165.04	173.2	656.4	1,344.6	1,325.7	18.94	71.002	
4,100.0	4,014.4	3,802.2	3,749.7	16.3	13.0	165.03	177.4	667.8	1,372.5	1,353.3	19.28	71.181	
4,133.8	4,047.1	3,832.7	3,779.6	16.5	13.1	165.03	179.5	673.8	1,387.2	1,367.7	19.46	71.272	
4,200.0	4,111.1	3,892.4	3,837.9	16.9	13.4	165.03	183.7	685.4	1,415.8	1,396.0	19.82	71.443	
4,232.3	4,142.3	3,921.5	3,866.4	17.0	13.5	165.03	185.8	691.1	1,429.8	1,409.8	19.99	71.524	
4,300.0	4,207.8	3,982.5	3,926.1	17.4	13.8	165.03	190.1	703.1	1,459.1	1,438.7	20.35	71.689	
4,330.7	4,237.5	4,010.2	3,953.2	17.6	13.9	165.03	192.1	708.5	1,472.3	1,451.8	20.52	71.761	
4,400.0	4,304.6	4,072.7	4,014.3	17.9	14.2	165.03	196.5	720.7	1,502.3	1,481.4	20.89	71.919	
4,429.1	4,332.7	4,099.0	4,040.0	18.1	14.3	165.03	198.4	725.8	1,514.9	1,493.9	21.05	71.984	
4,500.0	4,401.3	4,162.9	4,102.5	18.5	14.6	165.03	202.9	738.3	1,545.6	1,524.2	21.43	72.136	
4,527.5	4,427.9	4,187.7	4,126.8	18.6	14.7	165.03	204.7	743.2	1,557.5	1,535.9	21.57	72.193	
4,600.0	4,498.0	4,253.0	4,190.7	19.0	15.0	165.03	209.3	755.9	1,588.9	1,566.9	21.96	72.339	
4,626.0	4,523.1	4,276.4	4,213.6	19.2	15.1	165.03	211.0	760.5	1,600.1	1,578.0	22.10	72.390	
4,700.0	4,594.7	4,343.2	4,278.8	19.6	15.4	165.03	215.7	773.6	1,632.1	1,609.6	22.50	72.531	
4,724.4	4,618.3	4,365.2	4,300.4	19.7	15.5	165.03	217.2	777.9	1,642.7	1,620.0	22.63	72.576	
4,800.0	4,691.5	4,433.3	4,367.0	20.1	15.8	165.03	222.1	791.2	1,675.4	1,652.3	23.04	72.712	
4,822.8	4,713.5	4,453.9	4,387.2	20.2	15.9	165.03	223.5	795.2	1,685.3	1,662.1	23.16	72.751	
4,900.0	4,788.2	4,523.5	4,455.2	20.7	16.2	165.03	228.5	808.8	1,718.6	1,695.1	23.58	72.882	
4,921.2	4,808.7	4,542.6	4,474.0	20.8	16.3	165.03	229.8	812.6	1,727.8	1,704.1	23.70	72.917	
5,000.0	4,884.9	4,613.6	4,543.4	21.2	16.6	165.03	234.8	826.4	1,761.9	1,737.8	24.12	73.044	
5,019.7	4,903.9	4,631.4	4,560.8	21.3	16.7	165.03	236.1	829.9	1,770.4	1,746.2	24.23	73.074	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	4,981.6	4,703.8	4,631.6	21.8	17.0	165.02	241.2	844.1	1,805.2	1,780.5	24.66	73.197	
5,118.1	4,999.1	4,720.1	4,647.6	21.8	17.1	165.02	242.4	847.2	1,813.0	1,788.2	24.76	73.223	
5,200.0	5,078.3	4,794.0	4,719.8	22.3	17.4	165.02	247.6	861.7	1,848.4	1,823.2	25.20	73.341	
5,216.5	5,094.3	4,808.9	4,734.3	22.4	17.5	165.02	248.7	864.6	1,855.6	1,830.3	25.29	73.364	
5,300.0	5,175.1	4,884.1	4,808.0	22.8	17.8	165.02	254.0	879.3	1,891.7	1,865.9	25.74	73.478	
5,314.9	5,189.5	4,897.6	4,821.1	22.9	17.9	165.02	255.0	881.9	1,898.2	1,872.3	25.83	73.498	
5,400.0	5,271.8	4,974.3	4,896.1	23.4	18.2	165.02	260.4	896.9	1,935.0	1,908.7	26.29	73.608	
5,413.4	5,284.7	4,986.3	4,907.9	23.5	18.3	165.02	261.3	899.3	1,940.7	1,914.4	26.36	73.625	
5,500.0	5,368.5	5,158.3	5,076.8	23.9	18.9	165.06	272.2	929.6	1,977.0	1,950.0	27.02	73.169	
5,511.8	5,379.9	5,189.9	5,108.0	24.0	19.0	165.07	273.9	934.1	1,981.6	1,954.5	27.12	73.065	
5,600.0	5,465.2	5,434.2	5,350.9	24.5	19.6	165.31	282.7	958.4	2,011.8	1,983.9	27.84	72.256	
5,610.2	5,475.1	5,463.4	5,380.1	24.5	19.6	165.35	283.2	960.0	2,014.8	1,986.9	27.92	72.158	
5,647.2	5,510.9	5,570.4	5,487.0	24.7	19.8	165.52	284.5	963.4	2,025.1	1,996.9	28.21	71.797	
5,700.0	5,562.1	5,651.4	5,568.1	25.0	19.9	165.72	284.6	963.7	2,037.8	2,009.2	28.57	71.327	
5,708.6	5,570.5	5,659.9	5,576.5	25.0	19.9	165.75	284.6	963.7	2,039.7	2,011.1	28.62	71.274	
5,800.0	5,659.6	5,749.0	5,665.6	25.3	20.0	165.98	284.6	963.7	2,059.0	2,029.9	29.13	70.682	
5,807.1	5,666.6	5,755.9	5,672.6	25.4	20.0	166.00	284.6	963.7	2,060.4	2,031.3	29.17	70.637	
5,900.0	5,757.9	5,847.3	5,763.9	25.7	20.1	166.19	284.6	963.7	2,077.0	2,047.4	29.66	70.032	
5,905.5	5,763.3	5,852.7	5,769.3	25.7	20.2	166.20	284.6	963.7	2,077.9	2,048.2	29.69	69.997	
6,000.0	5,856.7	5,946.1	5,862.7	26.0	20.3	166.36	284.6	963.7	2,091.6	2,061.5	30.14	69.387	
6,003.9	5,860.6	5,950.0	5,866.6	26.0	20.3	166.36	284.6	963.7	2,092.2	2,062.0	30.16	69.363	
6,100.0	5,956.1	6,045.5	5,962.1	26.2	20.4	166.49	284.6	963.7	2,102.9	2,072.3	30.59	68.747	
6,102.3	5,958.4	6,047.8	5,964.4	26.2	20.4	166.49	284.6	963.7	2,103.1	2,072.5	30.60	68.733	
6,200.0	6,055.7	6,145.1	6,061.7	26.4	20.6	166.58	284.6	963.7	2,110.8	2,079.8	30.99	68.110	
6,200.8	6,056.5	6,145.9	6,062.5	26.4	20.6	166.58	284.6	963.7	2,110.9	2,079.9	30.99	68.105	
6,299.2	6,154.8	6,244.2	6,160.8	26.5	20.7	166.62	284.6	963.7	2,115.3	2,084.0	31.35	67.477	
6,300.0	6,155.6	6,245.0	6,161.6	26.5	20.7	166.63	284.6	963.7	2,115.3	2,084.0	31.35	67.472	
6,382.9	6,238.5	6,327.9	6,244.5	26.6	20.8	89.31	284.6	963.7	2,116.5	2,084.9	31.63	66.923	
6,397.6	6,253.2	6,342.8	6,259.4	26.6	20.8	89.31	284.6	963.7	2,116.5	2,084.8	31.68	66.815	
6,400.0	6,255.6	6,345.2	6,261.9	26.6	20.8	89.31	284.6	963.7	2,116.5	2,084.8	31.69	66.798	
6,412.9	6,268.5	6,358.8	6,275.4	26.6	20.9	89.32	284.4	963.7	2,116.5	2,084.8	31.73	66.709	
6,450.0	6,305.6	6,397.6	6,314.2	26.7	20.9	-90.86	282.3	963.7	2,116.5	2,084.7	31.83	66.494	
6,496.0	6,351.5	6,445.7	6,362.0	26.7	20.9	-90.83	276.8	963.7	2,116.5	2,084.5	31.93	66.284	
6,500.0	6,355.4	6,449.9	6,366.0	26.7	20.9	-90.82	276.2	963.7	2,116.5	2,084.5	31.94	66.266	
6,550.0	6,404.8	6,502.0	6,417.2	26.7	21.0	-90.78	266.4	963.7	2,116.4	2,084.4	32.01	66.113	
6,594.5	6,448.1	6,548.2	6,461.9	26.8	21.0	-90.73	254.6	963.6	2,116.4	2,084.4	32.05	66.033	
6,600.0	6,453.5	6,554.0	6,467.4	26.8	21.0	-90.73	252.9	963.6	2,116.4	2,084.4	32.05	66.025	
6,650.0	6,501.3	6,605.8	6,516.4	26.8	21.0	-90.68	235.8	963.6	2,116.4	2,084.3	32.07	65.988	
6,692.9	6,541.4	6,650.2	6,557.2	26.8	21.0	-90.63	218.5	963.5	2,116.4	2,084.3	32.07	65.986	
6,700.0	6,548.0	6,657.5	6,563.8	26.8	21.0	-90.62	215.4	963.5	2,116.4	2,084.3	32.07	65.987	
6,750.0	6,593.3	6,709.0	6,609.5	26.8	21.0	-90.56	191.6	963.4	2,116.3	2,084.3	32.06	66.002	
6,791.3	6,629.6	6,751.5	6,645.8	26.8	20.9	-90.51	169.6	963.3	2,116.3	2,084.3	32.06	66.014	
6,800.0	6,637.0	6,760.4	6,653.3	26.8	20.9	-90.50	164.7	963.3	2,116.3	2,084.3	32.06	66.015	
6,850.0	6,679.0	6,811.6	6,694.8	26.8	20.9	-90.44	134.9	963.2	2,116.3	2,084.2	32.06	66.002	
6,889.7	6,710.9	6,852.1	6,726.2	26.8	20.9	-90.38	109.2	963.1	2,116.3	2,084.2	32.08	65.959	
6,900.0	6,718.9	6,862.6	6,734.0	26.8	20.9	-90.37	102.3	963.1	2,116.3	2,084.2	32.09	65.941	
6,950.0	6,756.7	6,913.4	6,770.7	26.8	20.9	-90.30	67.1	963.0	2,116.3	2,084.1	32.16	65.809	
6,988.2	6,783.9	6,952.1	6,796.8	26.8	20.9	-90.25	38.6	962.8	2,116.3	2,084.0	32.24	65.646	
7,000.0	6,792.0	6,964.0	6,804.6	26.8	20.9	-90.23	29.5	962.8	2,116.3	2,084.0	32.27	65.583	
7,050.0	6,824.8	7,014.5	6,835.7	26.8	20.9	-90.16	-10.2	962.7	2,116.3	2,083.8	32.44	65.244	
7,086.6	6,847.2	7,051.3	6,856.6	26.8	20.9	-90.11	-40.5	962.6	2,116.2	2,083.6	32.60	64.915	
7,100.0	6,854.9	7,064.7	6,863.8	26.8	20.9	-90.09	-51.8	962.5	2,116.2	2,083.6	32.67	64.777	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWDD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	7,114.8	6,888.9	26.8	21.0	-90.02	-95.2	962.4	2,116.2	2,083.3	32.98	64.172	
7,159.7	6,887.2	7,124.5	6,893.4	26.8	21.0	-90.01	-103.8	962.3	2,116.2	2,083.2	33.05	64.030	
7,185.0	6,899.5	7,149.8	6,904.5	26.8	21.0	-89.97	-126.4	962.2	2,116.2	2,083.0	33.24	63.665	
7,200.0	6,906.5	7,164.7	6,910.8	26.9	21.0	-89.95	-140.0	962.2	2,116.2	2,082.9	33.37	63.426	
7,250.0	6,927.6	7,214.4	6,929.4	26.9	21.1	-89.88	-186.1	962.0	2,116.2	2,082.4	33.84	62.541	
7,283.4	6,940.0	7,247.6	6,940.0	27.0	21.2	-89.83	-217.5	961.9	2,116.3	2,082.0	34.20	61.874	
7,300.0	6,945.5	7,263.9	6,944.8	27.0	21.2	-89.81	-233.2	961.9	2,116.3	2,081.9	34.40	61.527	
7,350.0	6,960.2	7,313.3	6,956.8	27.1	21.4	-89.74	-281.0	961.7	2,116.3	2,081.2	35.04	60.397	
7,381.9	6,967.8	7,344.7	6,962.7	27.2	21.5	-89.70	-311.8	961.6	2,116.3	2,080.8	35.50	59.622	
7,400.0	6,971.5	7,362.5	6,965.5	27.2	21.6	-89.67	-329.4	961.5	2,116.3	2,080.5	35.76	59.173	
7,450.0	6,979.3	7,411.5	6,970.8	27.4	21.9	-89.61	-378.1	961.3	2,116.3	2,079.7	36.57	57.874	
7,480.3	6,982.4	7,441.1	6,972.4	27.5	22.0	-89.57	-407.7	961.2	2,116.3	2,079.2	37.09	57.054	
7,500.0	6,983.7	7,460.4	6,972.8	27.5	22.2	-89.54	-427.0	961.1	2,116.3	2,078.9	37.44	56.526	
7,541.4	6,984.7	7,501.5	6,972.5	27.7	22.4	-89.51	-468.1	961.0	2,116.3	2,078.1	38.22	55.371	
7,578.7	6,984.5	7,538.8	6,972.2	27.9	22.7	-89.50	-505.4	960.9	2,116.3	2,077.4	38.97	54.308	
7,600.0	6,984.4	7,560.1	6,972.0	28.0	22.9	-89.50	-526.7	960.8	2,116.3	2,076.9	39.40	53.720	
7,677.1	6,984.0	7,637.2	6,971.3	28.5	23.6	-89.49	-603.8	960.5	2,116.3	2,075.3	41.02	51.593	
7,700.0	6,983.9	7,660.1	6,971.1	28.6	23.8	-89.49	-626.7	960.4	2,116.3	2,074.8	41.51	50.983	
7,775.6	6,983.5	7,735.7	6,970.4	29.2	24.6	-89.48	-702.2	960.1	2,116.3	2,073.1	43.24	48.941	
7,800.0	6,983.4	7,760.1	6,970.1	29.4	24.9	-89.48	-726.7	960.0	2,116.3	2,072.5	43.82	48.298	
7,874.0	6,983.1	7,834.1	6,969.5	30.0	25.7	-89.47	-800.6	959.8	2,116.3	2,070.7	45.68	46.329	
7,900.0	6,982.9	7,860.1	6,969.2	30.3	26.0	-89.47	-826.6	959.7	2,116.3	2,070.0	46.35	45.661	
7,972.4	6,982.6	7,932.5	6,968.6	31.0	26.9	-89.46	-899.1	959.4	2,116.3	2,068.0	48.31	43.808	
8,000.0	6,982.4	7,960.1	6,968.3	31.3	27.3	-89.46	-926.6	959.3	2,116.3	2,067.3	49.07	43.131	
8,070.8	6,982.1	8,030.9	6,967.7	32.1	28.2	-89.45	-997.5	959.1	2,116.4	2,065.3	51.10	41.417	
8,100.0	6,982.0	8,060.1	6,967.4	32.4	28.6	-89.44	-1,026.6	959.0	2,116.4	2,064.4	51.95	40.741	
8,169.3	6,981.6	8,129.3	6,966.8	33.2	29.5	-89.44	-1,095.9	958.7	2,116.4	2,062.3	54.02	39.174	
8,200.0	6,981.5	8,160.1	6,966.5	33.6	30.0	-89.43	-1,126.6	958.6	2,116.4	2,061.4	54.96	38.509	
8,267.7	6,981.1	8,227.8	6,965.9	34.5	31.0	-89.43	-1,194.3	958.3	2,116.4	2,059.3	57.07	37.086	
8,300.0	6,981.0	8,260.1	6,965.6	34.9	31.4	-89.42	-1,226.6	958.2	2,116.4	2,058.3	58.08	36.438	
8,366.1	6,980.7	8,326.2	6,965.0	35.8	32.4	-89.41	-1,292.7	958.0	2,116.4	2,056.2	60.20	35.153	
8,400.0	6,980.5	8,360.0	6,964.7	36.3	32.9	-89.41	-1,326.6	957.9	2,116.4	2,055.1	61.30	34.524	
8,464.5	6,980.2	8,424.6	6,964.1	37.2	33.9	-89.40	-1,391.1	957.6	2,116.4	2,053.0	63.43	33.367	
8,500.0	6,980.0	8,460.0	6,963.8	37.7	34.5	-89.40	-1,426.6	957.5	2,116.4	2,051.8	64.60	32.760	
8,563.0	6,979.7	8,523.0	6,963.2	38.6	35.4	-89.39	-1,489.5	957.3	2,116.4	2,049.7	66.72	31.720	
8,600.0	6,979.5	8,560.0	6,962.9	39.1	36.0	-89.39	-1,526.6	957.1	2,116.4	2,048.4	67.97	31.135	
8,661.4	6,979.2	8,621.4	6,962.3	40.1	37.0	-89.38	-1,588.0	956.9	2,116.4	2,046.3	70.08	30.202	
8,700.0	6,979.0	8,660.0	6,962.0	40.7	37.7	-89.38	-1,626.6	956.8	2,116.4	2,045.0	71.40	29.640	
8,759.8	6,978.7	8,719.9	6,961.4	41.6	38.6	-89.37	-1,686.4	956.6	2,116.4	2,042.9	73.48	28.801	
8,800.0	6,978.5	8,760.0	6,961.1	42.2	39.3	-89.36	-1,726.6	956.4	2,116.4	2,041.5	74.89	28.262	
8,858.2	6,978.2	8,818.3	6,960.5	43.1	40.3	-89.36	-1,784.8	956.2	2,116.4	2,039.5	76.94	27.509	
8,900.0	6,978.0	8,860.0	6,960.2	43.8	41.0	-89.35	-1,826.5	956.0	2,116.4	2,038.0	78.41	26.991	
8,956.7	6,977.8	8,916.7	6,959.6	44.7	41.9	-89.35	-1,883.2	955.8	2,116.4	2,036.0	80.43	26.314	
9,000.0	6,977.5	8,960.0	6,959.2	45.4	42.7	-89.34	-1,926.5	955.7	2,116.4	2,034.5	81.98	25.817	
9,055.1	6,977.3	9,015.1	6,958.7	46.3	43.6	-89.34	-1,981.6	955.5	2,116.4	2,032.5	83.96	25.208	
9,100.0	6,977.1	9,060.0	6,958.3	47.1	44.4	-89.33	-2,026.5	955.3	2,116.4	2,030.9	85.58	24.731	
9,153.5	6,976.8	9,113.5	6,957.9	48.0	45.3	-89.32	-2,080.0	955.1	2,116.4	2,028.9	87.52	24.183	
9,200.0	6,976.6	9,160.0	6,957.4	48.8	46.1	-89.32	-2,126.5	955.0	2,116.4	2,027.2	89.21	23.725	
9,251.9	6,976.3	9,212.0	6,957.0	49.7	47.0	-89.31	-2,178.5	954.8	2,116.5	2,025.4	91.10	23.232	
9,300.0	6,976.1	9,260.0	6,956.5	50.5	47.9	-89.31	-2,226.5	954.6	2,116.5	2,023.6	92.86	22.792	
9,350.4	6,975.8	9,310.4	6,956.1	51.3	48.7	-89.30	-2,276.9	954.4	2,116.5	2,021.8	94.71	22.346	
9,400.0	6,975.6	9,360.0	6,955.6	52.2	49.6	-89.30	-2,326.5	954.2	2,116.5	2,019.9	96.54	21.923	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWDD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,448.8	6,975.3	9,408.8	6,955.2	53.1	50.5	-89.29	-2,375.3	954.1	2,116.5	2,018.1	98.34	21.521	
9,500.0	6,975.1	9,460.0	6,954.7	54.0	51.4	-89.29	-2,426.5	953.9	2,116.5	2,016.2	100.24	21.114	
9,547.2	6,974.9	9,507.2	6,954.3	54.8	52.2	-89.28	-2,473.7	953.7	2,116.5	2,014.5	101.99	20.751	
9,600.0	6,974.6	9,560.0	6,953.8	55.7	53.2	-89.27	-2,526.5	953.5	2,116.5	2,012.5	103.96	20.359	
9,645.6	6,974.4	9,605.6	6,953.4	56.5	54.0	-89.27	-2,572.1	953.3	2,116.5	2,010.8	105.66	20.031	
9,700.0	6,974.1	9,660.0	6,952.9	57.5	55.0	-89.26	-2,626.5	953.1	2,116.5	2,008.8	107.69	19.653	
9,744.1	6,973.9	9,704.1	6,952.5	58.3	55.8	-89.26	-2,670.5	953.0	2,116.5	2,007.2	109.34	19.357	
9,800.0	6,973.6	9,760.0	6,952.0	59.3	56.8	-89.25	-2,726.5	952.8	2,116.5	2,005.1	111.44	18.992	
9,842.5	6,973.4	9,802.5	6,951.6	60.0	57.6	-89.25	-2,768.9	952.6	2,116.5	2,003.5	113.04	18.724	
9,900.0	6,973.1	9,860.0	6,951.1	61.1	58.6	-89.24	-2,826.4	952.4	2,116.5	2,001.3	115.20	18.372	
9,940.9	6,972.9	9,900.9	6,950.7	61.8	59.4	-89.24	-2,867.4	952.3	2,116.5	1,999.8	116.75	18.129	
10,000.0	6,972.6	9,960.0	6,950.2	62.9	60.5	-89.23	-2,926.4	952.1	2,116.5	1,997.6	118.98	17.789	
10,039.3	6,972.4	9,999.3	6,949.8	63.6	61.2	-89.22	-2,965.8	951.9	2,116.6	1,996.1	120.47	17.569	
10,100.0	6,972.1	10,060.0	6,949.2	64.7	62.3	-89.22	-3,026.4	951.7	2,116.6	1,993.8	122.77	17.241	
10,137.8	6,972.0	10,097.7	6,948.9	65.4	63.0	-89.21	-3,064.2	951.6	2,116.6	1,992.4	124.20	17.042	
10,200.0	6,971.6	10,160.0	6,948.3	66.6	64.1	-89.21	-3,126.4	951.3	2,116.6	1,990.0	126.56	16.724	
10,236.2	6,971.5	10,196.2	6,948.0	67.2	64.8	-89.20	-3,162.6	951.2	2,116.6	1,988.6	127.94	16.544	
10,300.0	6,971.2	10,260.0	6,947.4	68.4	66.0	-89.20	-3,226.4	951.0	2,116.6	1,986.2	130.37	16.235	
10,334.6	6,971.0	10,294.6	6,947.1	69.0	66.6	-89.19	-3,261.0	950.9	2,116.6	1,984.9	131.69	16.073	
10,400.0	6,970.7	10,359.9	6,946.5	70.2	67.9	-89.18	-3,326.4	950.6	2,116.6	1,982.4	134.18	15.774	
10,433.0	6,970.5	10,393.0	6,946.2	70.9	68.5	-89.18	-3,359.4	950.5	2,116.6	1,981.2	135.44	15.627	
10,500.0	6,970.2	10,459.9	6,945.6	72.1	69.7	-89.17	-3,426.4	950.3	2,116.6	1,978.6	138.00	15.337	
10,531.5	6,970.0	10,491.4	6,945.3	72.7	70.3	-89.17	-3,457.9	950.1	2,116.6	1,977.4	139.21	15.205	
10,600.0	6,969.7	10,559.9	6,944.7	74.0	71.6	-89.16	-3,526.4	949.9	2,116.6	1,974.8	141.83	14.923	
10,629.9	6,969.5	10,589.8	6,944.4	74.5	72.1	-89.16	-3,556.3	949.8	2,116.6	1,973.7	142.98	14.804	
10,700.0	6,969.2	10,659.9	6,943.8	75.8	73.5	-89.15	-3,626.4	949.5	2,116.7	1,971.0	145.67	14.531	
10,728.3	6,969.0	10,688.3	6,943.5	76.4	74.0	-89.15	-3,654.7	949.4	2,116.7	1,969.9	146.76	14.423	
10,800.0	6,968.7	10,759.9	6,942.9	77.7	75.3	-89.14	-3,726.4	949.2	2,116.7	1,967.2	149.51	14.157	
10,826.7	6,968.6	10,786.7	6,942.6	78.2	75.8	-89.14	-3,753.1	949.1	2,116.7	1,966.1	150.54	14.061	
10,900.0	6,968.2	10,859.9	6,942.0	79.6	77.2	-89.13	-3,826.3	948.8	2,116.7	1,963.3	153.36	13.802	
10,925.2	6,968.1	10,885.1	6,941.7	80.1	77.7	-89.12	-3,851.5	948.7	2,116.7	1,962.4	154.33	13.716	
11,000.0	6,967.7	10,959.9	6,941.1	81.5	79.1	-89.12	-3,926.3	948.5	2,116.7	1,959.5	157.21	13.464	
11,023.6	6,967.6	10,983.5	6,940.8	81.9	79.5	-89.11	-3,949.9	948.4	2,116.7	1,958.6	158.12	13.387	
11,100.0	6,967.2	11,059.9	6,940.1	83.4	81.0	-89.10	-4,026.3	948.1	2,116.7	1,955.7	161.07	13.142	
11,122.0	6,967.1	11,081.9	6,939.9	83.8	81.4	-89.10	-4,048.4	948.0	2,116.7	1,954.8	161.92	13.073	
11,200.0	6,966.7	11,159.9	6,939.2	85.3	82.9	-89.09	-4,126.3	947.7	2,116.7	1,951.8	164.93	12.834	
11,220.4	6,966.6	11,180.4	6,939.0	85.7	83.3	-89.09	-4,146.8	947.7	2,116.7	1,951.0	165.72	12.773	
11,300.0	6,966.2	11,259.9	6,938.3	87.2	84.8	-89.08	-4,226.3	947.4	2,116.8	1,948.0	168.79	12.541	
11,318.9	6,966.1	11,278.8	6,938.1	87.5	85.1	-89.08	-4,245.2	947.3	2,116.8	1,947.2	169.52	12.487	
11,400.0	6,965.7	11,359.9	6,937.4	89.1	86.7	-89.07	-4,326.3	947.0	2,116.8	1,944.1	172.66	12.260	
11,417.3	6,965.6	11,377.2	6,937.3	89.4	87.0	-89.07	-4,343.6	947.0	2,116.8	1,943.5	173.33	12.212	
11,500.0	6,965.2	11,459.9	6,936.5	91.0	88.6	-89.06	-4,426.3	946.7	2,116.8	1,940.3	176.53	11.991	
11,515.7	6,965.2	11,475.6	6,936.4	91.3	88.9	-89.06	-4,442.0	946.6	2,116.8	1,939.7	177.14	11.950	
11,600.0	6,964.7	11,559.9	6,935.6	92.9	90.5	-89.05	-4,526.3	946.3	2,116.8	1,936.4	180.41	11.733	
11,614.1	6,964.7	11,574.0	6,935.5	93.2	90.7	-89.05	-4,540.4	946.3	2,116.8	1,935.9	180.96	11.698	
11,700.0	6,964.3	11,659.9	6,934.7	94.8	92.4	-89.04	-4,626.3	946.0	2,116.8	1,932.5	184.29	11.486	
11,712.6	6,964.2	11,672.5	6,934.6	95.1	92.6	-89.04	-4,638.8	945.9	2,116.8	1,932.1	184.78	11.456	
11,800.0	6,963.8	11,759.9	6,933.8	96.7	94.3	-89.03	-4,726.3	945.6	2,116.9	1,928.7	188.17	11.250	
11,811.0	6,963.7	11,770.9	6,933.7	97.0	94.5	-89.02	-4,737.3	945.6	2,116.9	1,928.3	188.60	11.224	
11,900.0	6,963.3	11,859.9	6,932.9	98.7	96.2	-89.01	-4,826.2	945.2	2,116.9	1,924.8	192.06	11.022	
11,909.4	6,963.2	11,869.3	6,932.8	98.9	96.4	-89.01	-4,835.7	945.2	2,116.9	1,924.5	192.42	11.001	
12,000.0	6,962.8	11,959.9	6,931.9	100.6	98.1	-89.00	-4,926.2	944.9	2,116.9	1,921.0	195.95	10.804	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,007.8	6,962.7	11,967.7	6,931.9	100.7	98.3	-89.00	-4,934.1	944.9	2,116.9	1,920.7	196.25	10.787	
12,100.0	6,962.3	12,059.9	6,931.0	102.5	100.0	-88.99	-5,026.2	944.5	2,116.9	1,917.1	199.84	10.593	
12,106.3	6,962.2	12,066.1	6,931.0	102.6	100.1	-88.99	-5,032.5	944.5	2,116.9	1,916.8	200.08	10.580	
12,200.0	6,961.8	12,159.9	6,930.1	104.5	101.9	-88.98	-5,126.2	944.2	2,116.9	1,913.2	203.73	10.391	
12,204.7	6,961.8	12,164.6	6,930.1	104.5	102.0	-88.98	-5,130.9	944.2	2,116.9	1,913.0	203.91	10.382	
12,300.0	6,961.3	12,259.9	6,929.2	106.4	103.9	-88.97	-5,226.2	943.8	2,117.0	1,909.3	207.62	10.196	
12,303.1	6,961.3	12,263.0	6,929.2	106.4	103.9	-88.97	-5,229.3	943.8	2,117.0	1,909.2	207.74	10.190	
12,400.0	6,960.8	12,359.8	6,928.3	108.3	105.8	-88.96	-5,326.2	943.5	2,117.0	1,905.5	211.52	10.008	
12,401.5	6,960.8	12,361.4	6,928.3	108.3	105.8	-88.96	-5,327.7	943.4	2,117.0	1,905.4	211.58	10.006	
12,500.0	6,960.3	12,459.8	6,927.4	110.3	107.7	-88.95	-5,426.2	943.1	2,117.0	1,901.6	215.42	9.827	
12,598.4	6,959.8	12,558.2	6,926.5	112.2	109.6	-88.94	-5,524.6	942.7	2,117.0	1,897.8	219.26	9.656	
12,600.0	6,959.8	12,559.8	6,926.5	112.2	109.6	-88.94	-5,526.2	942.7	2,117.0	1,897.7	219.32	9.653	
12,696.8	6,959.3	12,656.7	6,925.6	114.1	111.5	-88.92	-5,623.0	942.4	2,117.1	1,894.0	223.10	9.489	
12,700.0	6,959.3	12,659.8	6,925.6	114.1	111.5	-88.92	-5,626.2	942.4	2,117.1	1,893.8	223.22	9.484	
12,795.2	6,958.8	12,755.1	6,924.7	116.0	113.4	-88.91	-5,721.4	942.0	2,117.1	1,890.1	226.94	9.329	
12,800.0	6,958.8	12,759.8	6,924.6	116.1	113.5	-88.91	-5,726.2	942.0	2,117.1	1,890.0	227.13	9.321	
12,893.7	6,958.3	12,853.5	6,923.8	117.9	115.3	-88.90	-5,819.8	941.7	2,117.1	1,886.3	230.78	9.174	
12,900.0	6,958.3	12,859.8	6,923.7	118.0	115.4	-88.90	-5,826.1	941.7	2,117.1	1,886.1	231.03	9.164	
12,992.1	6,957.9	12,951.9	6,922.9	119.8	117.2	-88.89	-5,918.2	941.3	2,117.1	1,882.5	234.63	9.023	
13,000.0	6,957.8	12,959.8	6,922.8	120.0	117.3	-88.89	-5,926.1	941.3	2,117.1	1,882.2	234.94	9.011	
13,090.5	6,957.4	13,050.3	6,922.0	121.7	119.1	-88.88	-6,016.7	941.0	2,117.2	1,878.7	238.48	8.878	
13,100.0	6,957.3	13,059.8	6,921.9	121.9	119.2	-88.88	-6,026.1	941.0	2,117.2	1,878.3	238.85	8.864	
13,188.9	6,956.9	13,148.8	6,921.1	123.6	121.0	-88.87	-6,115.1	940.7	2,117.2	1,874.9	242.32	8.737	
13,200.0	6,956.8	13,159.8	6,921.0	123.9	121.2	-88.87	-6,126.1	940.6	2,117.2	1,874.4	242.76	8.721	
13,287.4	6,956.4	13,247.2	6,920.2	125.6	122.9	-88.86	-6,213.5	940.3	2,117.2	1,871.0	246.17	8.600	
13,300.0	6,956.3	13,259.8	6,920.1	125.8	123.1	-88.86	-6,226.1	940.3	2,117.2	1,870.5	246.67	8.583	
13,385.8	6,955.9	13,345.6	6,919.3	127.5	124.8	-88.85	-6,311.9	940.0	2,117.2	1,867.2	250.02	8.468	
13,400.0	6,955.8	13,359.8	6,919.2	127.8	125.0	-88.85	-6,326.1	939.9	2,117.2	1,866.7	250.58	8.449	
13,484.2	6,955.4	13,444.0	6,918.4	129.4	126.7	-88.84	-6,410.3	939.6	2,117.3	1,863.4	253.88	8.340	
13,500.0	6,955.3	13,459.8	6,918.3	129.7	127.0	-88.83	-6,426.1	939.5	2,117.3	1,862.8	254.49	8.320	
13,582.6	6,954.9	13,542.4	6,917.5	131.3	128.6	-88.82	-6,508.7	939.3	2,117.3	1,859.6	257.73	8.215	
13,600.0	6,954.8	13,559.8	6,917.3	131.7	128.9	-88.82	-6,526.1	939.2	2,117.3	1,858.9	258.41	8.194	
13,681.1	6,954.4	13,640.9	6,916.6	133.2	130.5	-88.81	-6,607.1	938.9	2,117.3	1,855.7	261.58	8.094	
13,700.0	6,954.3	13,659.8	6,916.4	133.6	130.8	-88.81	-6,626.1	938.8	2,117.3	1,855.0	262.32	8.071	
13,779.5	6,953.9	13,739.3	6,915.7	135.2	132.4	-88.80	-6,705.6	938.6	2,117.3	1,851.9	265.44	7.977	
13,800.0	6,953.8	13,759.8	6,915.5	135.6	132.8	-88.80	-6,726.1	938.5	2,117.4	1,851.1	266.24	7.953	
13,877.9	6,953.5	13,837.7	6,914.8	137.1	134.3	-88.79	-6,804.0	938.2	2,117.4	1,848.1	269.29	7.863	
13,900.0	6,953.3	13,859.8	6,914.6	137.5	134.7	-88.79	-6,826.1	938.1	2,117.4	1,847.2	270.16	7.838	
13,976.3	6,953.0	13,936.1	6,913.9	139.0	136.2	-88.78	-6,902.4	937.9	2,117.4	1,844.3	273.15	7.752	
14,000.0	6,952.8	13,959.8	6,913.7	139.5	136.6	-88.78	-6,926.0	937.8	2,117.4	1,843.3	274.08	7.726	
14,074.8	6,952.5	14,034.5	6,913.0	140.9	138.1	-88.77	-7,000.8	937.5	2,117.4	1,840.4	277.01	7.644	
14,100.0	6,952.4	14,059.8	6,912.8	141.4	138.6	-88.77	-7,026.0	937.4	2,117.4	1,839.4	277.99	7.617	
14,170.4	6,952.0	14,130.1	6,912.1	142.8	139.9	-88.76	-7,096.4	937.2	2,117.5	1,836.8	280.66	7.544 SF	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-INC													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-157.45	-3,511.9	-1,458.5	3,803.1					
98.4	98.4	40.9	40.9	0.1	0.5	-157.45	-3,511.9	-1,458.5	3,802.7	3,802.0	0.63	6,041.729		
100.0	100.0	42.5	42.5	0.1	0.6	-157.45	-3,511.9	-1,458.5	3,802.7	3,802.0	0.65	5,834.818		
196.8	196.8	139.3	139.3	0.3	2.2	-157.45	-3,511.9	-1,458.5	3,802.7	3,800.2	2.51	1,514.054		
200.0	200.0	142.5	142.5	0.3	2.3	-157.45	-3,511.9	-1,458.5	3,802.7	3,800.1	2.59	1,468.176		
295.3	295.3	237.8	237.8	0.5	4.4	-157.45	-3,511.9	-1,458.5	3,802.7	3,797.8	4.89	777.346		
300.0	300.0	242.5	242.5	0.5	4.5	-157.45	-3,511.9	-1,458.5	3,802.7	3,797.7	5.00	760.446		
393.7	393.7	336.2	336.2	0.8	6.4	-157.45	-3,511.9	-1,458.5	3,802.7	3,795.5	7.14	532.285		
400.0	400.0	342.5	342.5	0.8	6.5	-157.45	-3,511.9	-1,458.5	3,802.7	3,795.4	7.29	521.855		
492.1	492.1	434.6	434.6	1.0	8.4	-157.45	-3,511.9	-1,458.5	3,802.7	3,793.3	9.37	405.822		
500.0	500.0	442.5	442.5	1.0	8.6	-157.45	-3,511.9	-1,458.5	3,802.7	3,793.1	9.55	398.279		
590.5	590.5	533.0	533.0	1.2	10.4	-157.45	-3,511.9	-1,458.5	3,802.7	3,791.1	11.59	328.203		
600.0	600.0	542.5	542.5	1.2	10.6	-157.45	-3,511.9	-1,458.5	3,802.7	3,790.9	11.80	322.295		
689.0	689.0	631.5	631.5	1.4	12.4	-157.45	-3,511.9	-1,458.5	3,802.7	3,788.9	13.80	275.610		
700.0	700.0	642.5	642.5	1.4	12.6	-157.45	-3,511.9	-1,458.5	3,802.7	3,788.6	14.04	270.755		
787.4	787.4	729.9	729.9	1.6	14.4	-157.45	-3,511.9	-1,458.5	3,802.7	3,786.7	16.01	237.588		
800.0	800.0	742.5	742.5	1.7	14.6	-157.45	-3,511.9	-1,458.5	3,802.7	3,786.4	16.29	233.468		
885.8	885.8	828.3	828.3	1.9	16.3	-157.45	-3,511.9	-1,458.5	3,802.7	3,784.5	18.21	208.806		
900.0	900.0	842.5	842.5	1.9	16.6	-157.45	-3,511.9	-1,458.5	3,802.7	3,784.1	18.53	205.228		
984.2	984.2	926.7	926.7	2.1	18.3	-157.45	-3,511.9	-1,458.5	3,802.7	3,782.3	20.42	186.256		
1,000.0	1,000.0	942.5	942.5	2.1	18.6	-157.45	-3,511.9	-1,458.5	3,802.7	3,781.9	20.77	183.093		
1,082.7	1,082.7	1,025.2	1,025.2	2.3	20.3	-80.14	-3,511.9	-1,458.5	3,802.5	3,779.9	22.61	168.163		
1,100.0	1,100.0	1,042.5	1,042.5	2.3	20.7	-80.15	-3,511.9	-1,458.5	3,802.4	3,779.4	23.00	165.337		
1,181.1	1,181.0	1,123.5	1,123.5	2.5	22.3	-80.23	-3,511.9	-1,458.5	3,801.7	3,776.9	24.80	153.300		
1,200.0	1,199.8	1,142.3	1,142.3	2.5	22.7	-80.25	-3,511.9	-1,458.5	3,801.5	3,776.3	25.22	150.743		
1,279.5	1,279.1	1,221.6	1,221.6	2.7	24.3	-80.37	-3,511.9	-1,458.5	3,800.4	3,773.4	26.99	140.807		
1,300.0	1,299.5	1,242.0	1,242.0	2.8	24.7	-80.41	-3,511.9	-1,458.5	3,800.0	3,772.6	27.45	138.458		
1,377.9	1,376.9	1,319.4	1,319.4	3.0	26.2	-80.57	-3,511.9	-1,458.5	3,798.5	3,769.3	29.19	130.125		
1,400.0	1,398.7	1,341.2	1,341.2	3.0	26.7	-80.63	-3,511.9	-1,458.5	3,798.0	3,768.3	29.68	127.948		
1,476.4	1,474.2	1,416.7	1,416.7	3.2	28.2	-80.83	-3,511.9	-1,458.5	3,796.1	3,764.7	31.41	120.861		
1,500.0	1,497.5	1,440.0	1,440.0	3.3	28.7	-80.91	-3,511.9	-1,458.5	3,795.5	3,763.5	31.94	118.826		
1,574.8	1,571.0	1,513.5	1,513.5	3.5	30.1	-81.15	-3,511.9	-1,458.5	3,793.2	3,759.6	33.65	112.724		
1,600.0	1,595.6	1,538.1	1,538.1	3.6	30.6	-81.25	-3,511.9	-1,458.5	3,792.4	3,758.2	34.23	110.809		
1,673.2	1,667.0	1,609.5	1,609.5	3.9	32.1	-81.53	-3,511.9	-1,458.5	3,790.0	3,754.0	35.92	105.500		
1,700.0	1,693.1	1,635.6	1,635.6	4.0	32.6	-81.64	-3,511.9	-1,458.5	3,789.0	3,752.5	36.54	103.685		
1,735.7	1,727.6	1,670.1	1,670.1	4.1	33.3	-81.80	-3,511.9	-1,458.5	3,787.7	3,750.3	37.38	101.328		
1,771.6	1,762.4	1,704.9	1,704.9	4.3	34.0	-81.93	-3,511.9	-1,458.5	3,786.4	3,748.1	38.23	99.036		
1,800.0	1,789.8	1,732.3	1,732.3	4.4	34.5	-82.03	-3,511.9	-1,458.5	3,785.3	3,746.4	38.90	97.300		
1,870.1	1,857.6	1,800.1	1,800.1	4.7	35.9	-82.29	-3,511.9	-1,458.5	3,782.8	3,742.2	40.58	93.224		
1,900.0	1,886.6	1,829.1	1,829.1	4.8	36.5	-82.40	-3,511.9	-1,458.5	3,781.8	3,740.5	41.29	91.584		
1,968.5	1,952.8	1,895.3	1,895.3	5.2	37.8	-82.65	-3,511.9	-1,458.5	3,779.4	3,736.5	42.94	88.011		
2,000.0	1,983.3	1,925.8	1,925.8	5.3	38.4	-82.77	-3,511.9	-1,458.5	3,778.4	3,734.7	43.70	86.458		
2,066.9	2,048.0	1,990.5	1,990.5	5.6	39.7	-83.02	-3,511.9	-1,458.5	3,776.2	3,730.9	45.32	83.315		
2,100.0	2,080.0	2,022.5	2,022.5	5.8	40.4	-83.14	-3,511.9	-1,458.5	3,775.2	3,729.0	46.13	81.843		
2,165.3	2,143.2	2,085.7	2,085.7	6.1	41.7	-83.38	-3,511.9	-1,458.5	3,773.1	3,725.4	47.72	79.071		
2,200.0	2,176.7	2,119.2	2,119.2	6.3	42.3	-83.51	-3,511.9	-1,458.5	3,772.1	3,723.5	48.56	77.675		
2,263.8	2,238.4	2,180.9	2,180.9	6.6	43.6	-83.75	-3,511.9	-1,458.5	3,770.2	3,720.1	50.12	75.220		
2,300.0	2,273.4	2,215.9	2,215.9	6.8	44.3	-83.88	-3,511.9	-1,458.5	3,769.2	3,718.2	51.01	73.894		
2,362.2	2,333.6	2,276.1	2,276.1	7.1	45.5	-84.11	-3,511.9	-1,458.5	3,767.5	3,715.0	52.53	71.715		
2,400.0	2,370.2	2,312.7	2,312.7	7.3	46.2	-84.25	-3,511.9	-1,458.5	3,766.5	3,713.1	53.46	70.452		
2,460.6	2,428.8	2,371.3	2,371.3	7.6	47.4	-84.48	-3,511.9	-1,458.5	3,765.0	3,710.0	54.95	68.512		
2,500.0	2,466.9	2,409.4	2,409.4	7.8	48.2	-84.63	-3,511.9	-1,458.5	3,764.0	3,708.0	55.92	67.308		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,559.0	2,524.0	2,466.5	2,466.5	8.1	49.3	-84.85	-3,511.9	-1,458.5	3,762.5	3,705.2	57.38	65.576	
2,600.0	2,563.6	2,506.1	2,506.1	8.3	50.1	-85.00	-3,511.9	-1,458.5	3,761.6	3,703.2	58.39	64.426	
2,657.5	2,619.2	2,561.7	2,561.7	8.6	51.2	-85.21	-3,511.9	-1,458.5	3,760.3	3,700.5	59.81	62.876	
2,700.0	2,660.3	2,602.8	2,602.8	8.8	52.1	-85.37	-3,511.9	-1,458.5	3,759.4	3,698.5	60.86	61.776	
2,755.9	2,714.4	2,656.9	2,656.9	9.1	53.1	-85.58	-3,511.9	-1,458.5	3,758.2	3,696.0	62.24	60.386	
2,800.0	2,757.0	2,699.5	2,699.5	9.4	54.0	-85.75	-3,511.9	-1,458.5	3,757.4	3,694.0	63.33	59.332	
2,854.3	2,809.6	2,752.1	2,752.1	9.6	55.1	-85.95	-3,511.9	-1,458.5	3,756.3	3,691.7	64.67	58.083	
2,900.0	2,853.8	2,796.3	2,796.3	9.9	56.0	-86.12	-3,511.9	-1,458.5	3,755.5	3,689.7	65.80	57.072	
2,952.7	2,904.8	2,847.3	2,847.3	10.2	57.0	-86.32	-3,511.9	-1,458.5	3,754.6	3,687.5	67.11	55.947	
3,000.0	2,950.5	2,893.0	2,893.0	10.4	57.9	-86.49	-3,511.9	-1,458.5	3,753.8	3,685.5	68.28	54.976	
3,051.2	3,000.0	2,942.5	2,942.5	10.7	58.9	-86.69	-3,511.9	-1,458.5	3,753.0	3,683.5	69.55	53.962	
3,100.0	3,047.2	2,989.7	2,989.7	10.9	59.8	-86.87	-3,511.9	-1,458.5	3,752.3	3,681.5	70.76	53.028	
3,149.6	3,095.2	3,037.7	3,037.7	11.2	60.8	-87.05	-3,511.9	-1,458.5	3,751.6	3,679.6	71.99	52.112	
3,200.0	3,143.9	3,086.4	3,086.4	11.5	61.8	-87.24	-3,511.9	-1,458.5	3,750.9	3,677.7	73.24	51.213	
3,248.0	3,190.4	3,132.9	3,132.9	11.7	62.7	-87.42	-3,511.9	-1,458.5	3,750.3	3,675.9	74.43	50.385	
3,300.0	3,240.6	3,183.1	3,183.1	12.0	63.7	-87.62	-3,511.9	-1,458.5	3,749.8	3,674.0	75.72	49.519	
3,346.4	3,285.6	3,228.1	3,228.1	12.3	64.6	-87.79	-3,511.9	-1,458.5	3,749.3	3,672.4	76.88	48.769	
3,400.0	3,337.4	3,279.9	3,279.9	12.5	65.7	-87.99	-3,511.9	-1,458.5	3,748.8	3,670.5	78.21	47.933	
3,444.9	3,380.8	3,323.3	3,323.3	12.8	66.6	-88.16	-3,511.9	-1,458.5	3,748.4	3,669.0	79.32	47.254	
3,500.0	3,434.1	3,376.6	3,376.6	13.1	67.6	-88.37	-3,511.9	-1,458.5	3,747.9	3,667.2	80.69	46.447	
3,543.3	3,476.0	3,418.5	3,418.5	13.3	68.5	-88.53	-3,511.9	-1,458.5	3,747.6	3,665.8	81.77	45.832	
3,600.0	3,530.8	3,473.3	3,473.3	13.6	69.6	-88.74	-3,511.9	-1,458.5	3,747.3	3,664.1	83.18	45.051	
3,641.7	3,571.2	3,513.7	3,513.7	13.8	70.4	-88.90	-3,511.9	-1,458.5	3,747.0	3,662.8	84.22	44.493	
3,700.0	3,627.5	3,570.0	3,570.0	14.2	71.5	-89.12	-3,511.9	-1,458.5	3,746.8	3,661.1	85.66	43.738	
3,740.1	3,666.4	3,608.9	3,608.9	14.4	72.3	-89.27	-3,511.9	-1,458.5	3,746.6	3,660.0	86.66	43.232	
3,800.0	3,724.2	3,666.7	3,666.7	14.7	73.5	-89.49	-3,511.9	-1,458.5	3,746.4	3,658.3	88.15	42.500	
3,838.6	3,761.6	3,704.1	3,704.1	14.9	74.2	-89.64	-3,511.9	-1,458.5	3,746.4	3,657.3	89.11	42.042	
3,900.0	3,821.0	3,763.5	3,763.5	15.2	75.4	-89.87	-3,511.9	-1,458.5	3,746.3	3,655.7	90.64	41.332	
3,934.5	3,854.3	3,796.8	3,796.8	15.4	76.1	-90.00	-3,511.9	-1,458.5	3,746.3	3,654.8	91.50	40.945	
3,937.0	3,856.8	3,799.3	3,799.3	15.4	76.1	-90.01	-3,511.9	-1,458.5	3,746.3	3,654.7	91.56	40.917	
4,000.0	3,917.7	3,860.2	3,860.2	15.8	77.3	-90.25	-3,511.9	-1,458.5	3,746.3	3,653.2	93.13	40.229	
4,035.4	3,951.9	3,894.4	3,894.4	16.0	78.0	-90.38	-3,511.9	-1,458.5	3,746.4	3,652.4	94.01	39.852	
4,100.0	4,014.4	3,956.9	3,956.9	16.3	79.3	-90.62	-3,511.9	-1,458.5	3,746.5	3,650.9	95.61	39.185	
4,133.8	4,047.1	3,989.6	3,989.6	16.5	80.0	-90.75	-3,511.9	-1,458.5	3,746.6	3,650.2	96.45	38.844	
4,200.0	4,111.1	4,053.6	4,053.6	16.9	81.2	-91.00	-3,511.9	-1,458.5	3,746.9	3,648.8	98.10	38.195	
4,232.3	4,142.3	4,084.8	4,084.8	17.0	81.9	-91.12	-3,511.9	-1,458.5	3,747.1	3,648.2	98.90	37.887	
4,300.0	4,207.8	4,150.3	4,150.3	17.4	83.2	-91.37	-3,511.9	-1,458.5	3,747.4	3,646.9	100.59	37.256	
4,330.7	4,237.5	4,180.0	4,180.0	17.6	83.8	-91.49	-3,511.9	-1,458.5	3,747.6	3,646.3	101.35	36.977	
4,400.0	4,304.6	4,247.1	4,247.1	17.9	85.1	-91.75	-3,511.9	-1,458.5	3,748.2	3,645.1	103.07	36.364	
4,429.1	4,332.7	4,275.2	4,275.2	18.1	85.7	-91.86	-3,511.9	-1,458.5	3,748.4	3,644.6	103.80	36.113	
4,500.0	4,401.3	4,343.8	4,343.8	18.5	87.1	-92.12	-3,511.9	-1,458.5	3,749.0	3,643.5	105.56	35.516	
4,527.5	4,427.9	4,370.4	4,370.4	18.6	87.6	-92.23	-3,511.9	-1,458.5	3,749.3	3,643.1	106.24	35.290	
4,600.0	4,498.0	4,440.5	4,440.5	19.0	89.0	-92.50	-3,511.9	-1,458.5	3,750.1	3,642.1	108.04	34.709	
4,626.0	4,523.1	4,465.6	4,465.6	19.2	89.5	-92.60	-3,511.9	-1,458.5	3,750.4	3,641.7	108.69	34.506	
4,700.0	4,594.7	4,537.2	4,537.2	19.6	91.0	-92.87	-3,511.9	-1,458.5	3,751.3	3,640.8	110.53	33.940	
4,724.4	4,618.3	4,560.8	4,560.8	19.7	91.4	-92.97	-3,511.9	-1,458.5	3,751.7	3,640.5	111.13	33.758	
4,800.0	4,691.5	4,634.0	4,634.0	20.1	92.9	-93.25	-3,511.9	-1,458.5	3,752.7	3,639.7	113.01	33.206	
4,822.8	4,713.5	4,656.0	4,656.0	20.2	93.4	-93.33	-3,511.9	-1,458.5	3,753.1	3,639.5	113.58	33.044	
4,900.0	4,788.2	4,730.7	4,730.7	20.7	94.9	-93.62	-3,511.9	-1,458.5	3,754.3	3,638.8	115.50	32.506	
4,921.2	4,808.7	4,751.2	4,751.2	20.8	95.3	-93.70	-3,511.9	-1,458.5	3,754.7	3,638.6	116.02	32.361	
5,000.0	4,884.9	4,827.4	4,827.4	21.2	96.8	-94.00	-3,511.9	-1,458.5	3,756.1	3,638.1	117.98	31.837	
5,019.7	4,903.9	4,846.4	4,846.4	21.3	97.2	-94.07	-3,511.9	-1,458.5	3,756.4	3,638.0	118.47	31.709	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	4,981.6	4,924.1	4,924.1	21.8	98.7	-94.37	-3,511.9	-1,458.5	3,758.0	3,637.5	120.46	31.197	
5,118.1	4,999.1	4,941.6	4,941.6	21.8	99.1	-94.44	-3,511.9	-1,458.5	3,758.3	3,637.4	120.91	31.084	
5,200.0	5,078.3	5,020.8	5,020.8	22.3	100.7	-94.74	-3,511.9	-1,458.5	3,760.1	3,637.1	122.94	30.585	
5,216.5	5,094.3	5,036.8	5,036.8	22.4	101.0	-94.81	-3,511.9	-1,458.5	3,760.4	3,637.1	123.35	30.486	
5,300.0	5,175.1	5,117.6	5,117.6	22.8	102.6	-95.12	-3,511.9	-1,458.5	3,762.3	3,636.9	125.42	29.998	
5,314.9	5,189.5	5,132.0	5,132.0	22.9	102.9	-95.17	-3,511.9	-1,458.5	3,762.7	3,636.9	125.79	29.913	
5,400.0	5,271.8	5,214.3	5,214.3	23.4	104.6	-95.49	-3,511.9	-1,458.5	3,764.7	3,636.8	127.90	29.436	
5,413.4	5,284.7	5,227.2	5,227.2	23.5	104.8	-95.54	-3,511.9	-1,458.5	3,765.1	3,636.9	128.23	29.362	
5,500.0	5,368.5	5,311.0	5,311.0	23.9	106.5	-95.86	-3,511.9	-1,458.5	3,767.3	3,637.0	130.37	28.897	
5,511.8	5,379.9	5,322.4	5,322.4	24.0	106.8	-95.91	-3,511.9	-1,458.5	3,767.7	3,637.0	130.67	28.834	
5,600.0	5,465.2	5,407.7	5,407.7	24.5	108.5	-96.23	-3,511.9	-1,458.5	3,770.1	3,637.3	132.85	28.379	
5,610.2	5,475.1	5,417.6	5,417.6	24.5	108.7	-96.27	-3,511.9	-1,458.5	3,770.4	3,637.3	133.10	28.327	
5,647.2	5,510.9	5,453.4	5,453.4	24.7	109.4	-96.41	-3,511.9	-1,458.5	3,771.5	3,637.5	134.02	28.142	
5,700.0	5,562.1	5,504.6	5,504.6	25.0	110.4	-96.63	-3,511.9	-1,458.5	3,773.0	3,637.7	135.29	27.888	
5,708.6	5,570.5	5,513.0	5,513.0	25.0	110.6	-96.66	-3,511.9	-1,458.5	3,773.2	3,637.7	135.49	27.849	
5,800.0	5,659.6	5,602.1	5,602.1	25.3	112.4	-97.00	-3,511.9	-1,458.5	3,775.6	3,638.0	137.61	27.437	
5,807.1	5,666.6	5,609.1	5,609.1	25.4	112.5	-97.03	-3,511.9	-1,458.5	3,775.8	3,638.0	137.77	27.406	
5,900.0	5,757.9	5,700.4	5,700.4	25.7	114.4	-97.32	-3,511.9	-1,458.5	3,778.0	3,638.1	139.91	27.003	
5,905.5	5,763.3	5,705.8	5,705.8	25.7	114.5	-97.34	-3,511.9	-1,458.5	3,778.1	3,638.1	140.03	26.980	
6,000.0	5,856.7	5,799.2	5,799.2	26.0	116.3	-97.59	-3,511.9	-1,458.5	3,780.0	3,637.8	142.17	26.587	
6,003.9	5,860.6	5,803.1	5,803.1	26.0	116.4	-97.60	-3,511.9	-1,458.5	3,780.0	3,637.8	142.26	26.572	
6,100.0	5,956.1	5,898.6	5,898.6	26.2	118.3	-97.79	-3,511.9	-1,458.5	3,781.5	3,637.1	144.40	26.188	
6,102.3	5,958.4	5,900.9	5,900.9	26.2	118.4	-97.79	-3,511.9	-1,458.5	3,781.6	3,637.1	144.45	26.179	
6,200.0	6,055.7	5,998.2	5,998.2	26.4	120.3	-97.93	-3,511.9	-1,458.5	3,782.6	3,636.1	146.59	25.804	
6,200.8	6,056.5	5,999.0	5,999.0	26.4	120.4	-97.93	-3,511.9	-1,458.5	3,782.6	3,636.0	146.61	25.801	
6,299.2	6,154.8	6,097.3	6,097.3	26.5	122.3	-98.02	-3,511.9	-1,458.5	3,783.3	3,634.6	148.73	25.437	
6,300.0	6,155.6	6,098.1	6,098.1	26.5	122.4	-98.02	-3,511.9	-1,458.5	3,783.3	3,634.5	148.75	25.435	
6,382.9	6,238.5	6,181.0	6,181.0	26.6	124.0	-175.36	-3,511.9	-1,458.5	3,783.5	3,633.0	150.49	25.140	
6,397.6	6,253.2	6,195.7	6,195.7	26.6	124.3	-175.36	-3,511.9	-1,458.5	3,783.5	3,632.6	150.81	25.088	
6,400.0	6,255.6	6,198.1	6,198.1	26.6	124.4	-175.36	-3,511.9	-1,458.5	3,783.5	3,632.6	150.86	25.080	
6,412.9	6,268.5	6,211.0	6,211.0	26.6	124.6	-175.36	-3,511.9	-1,458.5	3,783.5	3,632.3	151.13	25.035	
6,450.0	6,305.6	6,248.1	6,248.1	26.7	125.4	4.43	-3,511.9	-1,458.5	3,782.5	3,630.8	151.70	24.933	
6,496.0	6,351.5	6,294.0	6,294.0	26.7	126.3	4.46	-3,511.9	-1,458.5	3,778.6	3,626.8	151.84	24.886	
6,500.0	6,355.4	6,297.9	6,297.9	26.7	126.4	4.47	-3,511.9	-1,458.5	3,778.2	3,626.4	151.82	24.886	
6,550.0	6,404.8	6,347.3	6,347.3	26.7	127.4	4.52	-3,511.9	-1,458.5	3,770.4	3,619.2	151.18	24.939	
6,594.5	6,448.1	6,390.6	6,390.6	26.8	128.2	4.60	-3,511.9	-1,458.5	3,760.6	3,610.6	149.98	25.074	
6,600.0	6,453.5	6,396.0	6,396.0	26.8	128.3	4.61	-3,511.9	-1,458.5	3,759.2	3,609.4	149.79	25.097	
6,650.0	6,501.3	6,443.8	6,443.8	26.8	129.3	4.73	-3,511.9	-1,458.5	3,744.7	3,597.0	147.63	25.365	
6,692.9	6,541.4	6,483.9	6,483.9	26.8	130.1	4.86	-3,511.9	-1,458.5	3,729.6	3,584.4	145.18	25.690	
6,700.0	6,548.0	6,490.5	6,490.5	26.8	130.2	4.88	-3,511.9	-1,458.5	3,726.8	3,582.1	144.72	25.752	
6,750.0	6,593.3	6,535.8	6,535.8	26.8	131.2	5.07	-3,511.9	-1,458.5	3,705.8	3,564.8	141.05	26.273	
6,791.3	6,629.6	6,572.1	6,572.1	26.8	131.9	5.26	-3,511.9	-1,458.5	3,686.1	3,548.6	137.47	26.814	
6,800.0	6,637.0	6,579.5	6,579.5	26.8	132.0	5.30	-3,511.9	-1,458.5	3,681.7	3,545.0	136.65	26.942	
6,850.0	6,679.0	6,621.5	6,621.5	26.8	132.9	5.59	-3,511.9	-1,458.5	3,654.6	3,523.0	131.54	27.782	
6,889.7	6,710.9	6,653.4	6,653.4	26.8	133.5	5.86	-3,511.9	-1,458.5	3,631.0	3,504.0	127.00	28.591	
6,900.0	6,718.9	6,661.4	6,661.4	26.8	133.7	5.94	-3,511.9	-1,458.5	3,624.6	3,498.8	125.76	28.822	
6,950.0	6,756.7	6,699.2	6,699.2	26.8	134.4	6.36	-3,511.9	-1,458.5	3,591.9	3,472.6	119.35	30.095	
6,988.2	6,783.9	6,726.4	6,726.4	26.8	135.0	6.75	-3,511.9	-1,458.5	3,565.3	3,451.2	114.08	31.253	
7,000.0	6,792.0	6,734.5	6,734.5	26.8	135.2	6.88	-3,511.9	-1,458.5	3,556.7	3,444.3	112.39	31.647	
7,050.0	6,824.8	6,767.3	6,767.3	26.8	135.8	7.53	-3,511.9	-1,458.5	3,519.1	3,414.2	104.95	33.530	
7,086.6	6,847.2	6,789.7	6,789.7	26.8	136.3	8.11	-3,511.9	-1,458.5	3,490.2	3,390.9	99.29	35.151	
7,100.0	6,854.9	6,797.4	6,797.4	26.8	136.4	8.35	-3,511.9	-1,458.5	3,479.4	3,382.2	97.20	35.797	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - HOW SAD C 18-31 - Wellbore #1 - Design #1												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	6,824.7	6,824.7	26.8	137.0	9.39	-3,511.9	-1,458.5	3,437.6	3,348.3	89.33	38.482	
7,185.0	6,899.5	6,842.0	6,842.0	26.8	137.3	10.31	-3,511.9	-1,458.5	3,407.3	3,323.3	83.94	40.591	
7,200.0	6,906.5	6,849.0	6,849.0	26.9	137.5	10.76	-3,511.9	-1,458.5	3,394.1	3,312.3	81.72	41.535	
7,250.0	6,927.6	6,870.1	6,870.1	26.9	137.9	12.61	-3,511.9	-1,458.5	3,348.9	3,273.9	75.01	44.645	
7,283.4	6,940.0	6,882.5	6,882.5	27.0	138.1	14.25	-3,511.9	-1,458.5	3,318.0	3,246.3	71.62	46.327	
7,300.0	6,945.5	6,888.0	6,888.0	27.0	138.2	15.23	-3,511.9	-1,458.5	3,302.4	3,232.0	70.47	46.865	
7,350.0	6,960.2	6,902.7	6,902.7	27.1	138.5	19.16	-3,511.9	-1,458.5	3,254.8	3,184.4	70.39	46.239	
7,381.9	6,967.8	6,910.3	6,910.3	27.2	138.7	22.82	-3,511.9	-1,458.5	3,224.0	3,149.6	74.40	43.336	
7,400.0	6,971.5	6,914.0	6,914.0	27.2	138.8	25.55	-3,511.9	-1,458.5	3,206.3	3,127.6	78.69	40.745	
7,450.0	6,979.3	6,921.8	6,921.8	27.4	138.9	37.20	-3,511.9	-1,458.5	3,157.2	3,056.1	101.10	31.228	
7,480.3	6,982.4	6,924.9	6,924.9	27.5	139.0	49.42	-3,511.9	-1,458.5	3,127.2	3,003.5	123.68	25.283	
7,500.0	6,983.7	6,926.2	6,926.2	27.5	139.0	60.74	-3,511.9	-1,458.5	3,107.6	2,967.1	140.45	22.126	
7,541.4	6,984.7	6,927.2	6,927.2	27.7	139.0	92.92	-3,511.9	-1,458.5	3,066.4	2,908.2	158.21	19.382	
7,578.7	6,984.5	6,927.0	6,927.0	27.9	139.0	92.89	-3,511.9	-1,458.5	3,029.2	2,870.7	158.58	19.102	
7,600.0	6,984.4	6,926.9	6,926.9	28.0	139.0	92.87	-3,511.9	-1,458.5	3,008.1	2,849.3	158.79	18.943	
7,677.1	6,984.0	6,926.5	6,926.5	28.5	139.0	92.79	-3,511.9	-1,458.5	2,931.3	2,771.7	159.61	18.365	
7,700.0	6,983.9	6,926.4	6,926.4	28.6	139.0	92.77	-3,511.9	-1,458.5	2,908.6	2,748.7	159.86	18.195	
7,775.6	6,983.5	6,926.0	6,926.0	29.2	139.0	92.70	-3,511.9	-1,458.5	2,833.4	2,672.6	160.73	17.628	
7,800.0	6,983.4	6,925.9	6,925.9	29.4	139.0	92.68	-3,511.9	-1,458.5	2,809.1	2,648.1	161.01	17.446	
7,874.0	6,983.1	6,925.6	6,925.6	30.0	139.0	92.61	-3,511.9	-1,458.5	2,735.5	2,573.5	161.95	16.891	
7,900.0	6,982.9	6,925.4	6,925.4	30.3	139.0	92.58	-3,511.9	-1,458.5	2,709.6	2,547.4	162.28	16.697	
7,972.4	6,982.6	6,925.1	6,925.1	31.0	139.0	92.51	-3,511.9	-1,458.5	2,637.7	2,474.4	163.27	16.155	
8,000.0	6,982.4	6,924.9	6,924.9	31.3	139.0	92.49	-3,511.9	-1,458.5	2,610.3	2,446.6	163.64	15.951	
8,070.8	6,982.1	6,924.6	6,924.6	32.1	139.0	92.42	-3,511.9	-1,458.5	2,539.9	2,375.2	164.67	15.424	
8,100.0	6,982.0	6,924.5	6,924.5	32.4	139.0	92.39	-3,511.9	-1,458.5	2,510.9	2,345.8	165.09	15.209	
8,169.3	6,981.6	6,924.1	6,924.1	33.2	139.0	92.33	-3,511.9	-1,458.5	2,442.1	2,276.0	166.14	14.699	
8,200.0	6,981.5	6,924.0	6,924.0	33.6	139.0	92.30	-3,511.9	-1,458.5	2,411.6	2,245.0	166.60	14.475	
8,267.7	6,981.1	6,923.6	6,923.6	34.5	139.0	92.23	-3,511.9	-1,458.5	2,344.4	2,176.8	167.67	13.983	
8,300.0	6,981.0	6,923.5	6,923.5	34.9	139.0	92.20	-3,511.9	-1,458.5	2,312.4	2,144.2	168.17	13.750	
8,366.1	6,980.7	6,923.2	6,923.2	35.8	138.9	92.14	-3,511.9	-1,458.5	2,246.8	2,077.6	169.24	13.276	
8,400.0	6,980.5	6,923.0	6,923.0	36.3	138.9	92.11	-3,511.9	-1,458.5	2,213.2	2,043.4	169.79	13.035	
8,464.5	6,980.2	6,922.7	6,922.7	37.2	138.9	92.05	-3,511.9	-1,458.5	2,149.3	1,978.4	170.87	12.579	
8,500.0	6,980.0	6,922.5	6,922.5	37.7	138.9	92.01	-3,511.9	-1,458.5	2,114.1	1,942.7	171.45	12.331	
8,563.0	6,979.7	6,922.2	6,922.2	38.6	138.9	91.95	-3,511.9	-1,458.5	2,051.8	1,879.3	172.52	11.893	
8,600.0	6,979.5	6,922.0	6,922.0	39.1	138.9	91.92	-3,511.9	-1,458.5	2,015.1	1,842.0	173.15	11.638	
8,661.4	6,979.2	6,921.7	6,921.7	40.1	138.9	91.86	-3,511.9	-1,458.5	1,954.4	1,780.2	174.21	11.219	
8,700.0	6,979.0	6,921.5	6,921.5	40.7	138.9	91.82	-3,511.9	-1,458.5	1,916.3	1,741.4	174.88	10.958	
8,759.8	6,978.7	6,921.2	6,921.2	41.6	138.9	91.76	-3,511.9	-1,458.5	1,857.2	1,681.2	175.93	10.556	
8,800.0	6,978.5	6,921.0	6,921.0	42.2	138.9	91.73	-3,511.9	-1,458.5	1,817.5	1,640.9	176.63	10.290	
8,858.2	6,978.2	6,920.7	6,920.7	43.1	138.9	91.67	-3,511.9	-1,458.5	1,760.0	1,582.4	177.66	9.906	
8,900.0	6,978.0	6,920.5	6,920.5	43.8	138.9	91.63	-3,511.9	-1,458.5	1,718.9	1,540.5	178.41	9.635	
8,956.7	6,977.8	6,920.3	6,920.3	44.7	138.9	91.58	-3,511.9	-1,458.5	1,663.0	1,483.6	179.42	9.269	
9,000.0	6,977.5	6,920.0	6,920.0	45.4	138.9	91.53	-3,511.9	-1,458.5	1,620.4	1,440.2	180.20	8.992	
9,055.1	6,977.3	6,919.8	6,919.8	46.3	138.9	91.48	-3,511.9	-1,458.5	1,566.2	1,385.0	181.20	8.644	
9,100.0	6,977.1	6,919.6	6,919.6	47.1	138.9	91.44	-3,511.9	-1,458.5	1,522.2	1,340.1	182.01	8.363	
9,153.5	6,976.8	6,919.3	6,919.3	48.0	138.9	91.39	-3,511.9	-1,458.5	1,469.7	1,286.7	182.99	8.031	
9,200.0	6,976.6	6,919.1	6,919.1	48.8	138.9	91.34	-3,511.9	-1,458.5	1,424.1	1,240.3	183.84	7.747	
9,251.9	6,976.3	6,918.8	6,918.8	49.7	138.9	91.29	-3,511.9	-1,458.5	1,373.3	1,188.5	184.80	7.432	
9,300.0	6,976.1	6,918.6	6,918.6	50.5	138.9	91.25	-3,511.9	-1,458.5	1,326.4	1,140.7	185.68	7.144	
9,350.4	6,975.8	6,918.3	6,918.3	51.3	138.9	91.20	-3,511.9	-1,458.5	1,277.3	1,090.7	186.61	6.845	
9,400.0	6,975.6	6,918.1	6,918.1	52.2	138.8	91.15	-3,511.9	-1,458.5	1,229.1	1,041.5	187.53	6.554	
9,448.8	6,975.3	6,917.8	6,917.8	53.1	138.8	91.10	-3,511.9	-1,458.5	1,181.7	993.3	188.44	6.271	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.0	6,975.1	6,917.6	6,917.6	54.0	138.8	91.05	-3,511.9	-1,458.5	1,132.2	942.8	189.40	5.978	
9,547.2	6,974.9	6,917.4	6,917.4	54.8	138.8	91.01	-3,511.9	-1,458.5	1,086.6	896.4	190.28	5.711	
9,600.0	6,974.6	6,917.1	6,917.1	55.7	138.8	90.96	-3,511.9	-1,458.5	1,035.9	844.6	191.27	5.416	
9,645.6	6,974.4	6,916.9	6,916.9	56.5	138.8	90.91	-3,511.9	-1,458.5	992.2	800.1	192.13	5.164	
9,700.0	6,974.1	6,916.6	6,916.6	57.5	138.8	90.86	-3,511.9	-1,458.5	940.4	747.2	193.15	4.869	
9,744.1	6,973.9	6,916.4	6,916.4	58.3	138.8	90.82	-3,511.9	-1,458.5	898.6	704.6	193.98	4.632	
9,800.0	6,973.6	6,916.1	6,916.1	59.3	138.8	90.77	-3,511.9	-1,458.5	845.9	650.9	195.04	4.337	
9,842.5	6,973.4	6,915.9	6,915.9	60.0	138.8	90.72	-3,511.9	-1,458.5	806.1	610.3	195.84	4.116	
9,900.0	6,973.1	6,915.6	6,915.6	61.1	138.8	90.67	-3,511.9	-1,458.5	752.8	555.9	196.93	3.823	
9,940.9	6,972.9	6,915.4	6,915.4	61.8	138.8	90.63	-3,511.9	-1,458.5	715.3	517.6	197.71	3.618	
10,000.0	6,972.6	6,915.1	6,915.1	62.9	138.8	90.57	-3,511.9	-1,458.5	661.8	463.0	198.83	3.328	
10,039.3	6,972.4	6,914.9	6,914.9	63.6	138.8	90.54	-3,511.9	-1,458.5	626.7	427.1	199.58	3.140	
10,100.0	6,972.1	6,914.6	6,914.6	64.7	138.8	90.48	-3,511.9	-1,458.5	573.8	373.0	200.73	2.858	
10,137.8	6,972.0	6,914.5	6,914.5	65.4	138.8	90.44	-3,511.9	-1,458.5	541.6	340.1	201.46	2.688	
10,200.0	6,971.6	6,914.1	6,914.1	66.6	138.8	90.38	-3,511.9	-1,458.5	490.3	287.7	202.64	2.420	
10,236.2	6,971.5	6,914.0	6,914.0	67.2	138.8	90.35	-3,511.9	-1,458.5	461.7	258.4	203.34	2.271	
10,300.0	6,971.2	6,913.7	6,913.7	68.4	138.8	90.28	-3,511.9	-1,458.5	414.3	209.7	204.56	2.025	
10,334.6	6,971.0	6,913.5	6,913.5	69.0	138.8	90.25	-3,511.9	-1,458.5	390.5	185.3	205.22	1.903	
10,400.0	6,970.7	6,913.2	6,913.2	70.2	138.7	90.19	-3,511.9	-1,458.5	350.5	144.0	206.47	1.698	
10,433.0	6,970.5	6,913.0	6,913.0	70.9	138.7	90.16	-3,511.9	-1,458.5	333.4	126.3	207.11	1.610	
10,500.0	6,970.2	6,912.7	6,912.7	72.1	138.7	90.09	-3,511.9	-1,458.5	306.7	98.3	208.40	1.472	Level 3
10,531.5	6,970.0	6,912.5	6,912.5	72.7	138.7	90.06	-3,511.9	-1,458.5	298.6	89.6	209.00	1.429	Level 3
10,593.9	6,969.7	6,912.2	6,912.2	73.9	138.7	90.00	-3,511.9	-1,458.5	292.0	81.8	210.20	1.389	Level 3, CC
10,600.0	6,969.7	6,912.2	6,912.2	74.0	138.7	89.99	-3,511.9	-1,458.5	292.1	81.7	210.32	1.389	Level 3, ES, SF
10,629.9	6,969.5	6,912.0	6,912.0	74.5	138.7	89.97	-3,511.9	-1,458.5	294.2	83.3	210.90	1.395	Level 3
10,700.0	6,969.2	6,911.7	6,911.7	75.8	138.7	89.90	-3,511.9	-1,458.5	310.7	98.4	212.25	1.464	Level 3
10,728.3	6,969.0	6,911.5	6,911.5	76.4	138.7	89.87	-3,511.9	-1,458.5	321.4	108.7	212.79	1.511	
10,800.0	6,968.7	6,911.2	6,911.2	77.7	138.7	89.80	-3,511.9	-1,458.5	357.4	143.2	214.18	1.669	
10,826.7	6,968.6	6,911.1	6,911.1	78.2	138.7	89.77	-3,511.9	-1,458.5	373.5	158.8	214.69	1.740	
10,900.0	6,968.2	6,910.7	6,910.7	79.6	138.7	89.70	-3,511.9	-1,458.5	423.0	206.9	216.11	1.957	
10,925.2	6,968.1	6,910.6	6,910.6	80.1	138.7	89.68	-3,511.9	-1,458.5	441.6	225.0	216.60	2.039	
11,000.0	6,967.7	6,910.2	6,910.2	81.5	138.7	89.61	-3,511.9	-1,458.5	500.2	282.1	218.04	2.294	
11,023.6	6,967.6	6,910.1	6,910.1	81.9	138.7	89.58	-3,511.9	-1,458.5	519.5	301.0	218.50	2.378	
11,100.0	6,967.2	6,909.7	6,909.7	83.4	138.7	89.51	-3,511.9	-1,458.5	584.3	364.3	219.98	2.656	
11,122.0	6,967.1	6,909.6	6,909.6	83.8	138.7	89.49	-3,511.9	-1,458.5	603.5	383.1	220.40	2.738	
11,200.0	6,966.7	6,909.2	6,909.2	85.3	138.7	89.41	-3,511.9	-1,458.5	672.8	450.8	221.92	3.032	
11,220.4	6,966.6	6,909.1	6,909.1	85.7	138.7	89.39	-3,511.9	-1,458.5	691.2	468.9	222.31	3.109	
11,300.0	6,966.2	6,908.7	6,908.7	87.2	138.7	89.32	-3,511.9	-1,458.5	764.1	540.2	223.85	3.413	
11,318.9	6,966.1	6,908.6	6,908.6	87.5	138.7	89.30	-3,511.9	-1,458.5	781.6	557.3	224.22	3.486	
11,400.0	6,965.7	6,908.2	6,908.2	89.1	138.6	89.22	-3,511.9	-1,458.5	857.3	631.5	225.79	3.797	
11,417.3	6,965.6	6,908.1	6,908.1	89.4	138.6	89.20	-3,511.9	-1,458.5	873.6	647.5	226.13	3.863	
11,500.0	6,965.2	6,907.7	6,907.7	91.0	138.6	89.12	-3,511.9	-1,458.5	952.0	724.2	227.74	4.180	
11,515.7	6,965.2	6,907.7	6,907.7	91.3	138.6	89.11	-3,511.9	-1,458.5	966.9	738.9	228.04	4.240	
11,600.0	6,964.7	6,907.2	6,907.2	92.9	138.6	89.02	-3,511.9	-1,458.5	1,047.6	817.9	229.68	4.561	
11,614.1	6,964.7	6,907.2	6,907.2	93.2	138.6	89.01	-3,511.9	-1,458.5	1,061.2	831.2	229.95	4.615	
11,700.0	6,964.3	6,906.8	6,906.8	94.8	138.6	88.93	-3,511.9	-1,458.5	1,144.0	912.3	231.62	4.939	
11,712.6	6,964.2	6,906.7	6,906.7	95.1	138.6	88.92	-3,511.9	-1,458.5	1,156.1	924.3	231.87	4.986	
11,800.0	6,963.8	6,906.3	6,906.3	96.7	138.6	88.83	-3,511.9	-1,458.5	1,240.9	1,007.4	233.57	5.313	
11,811.0	6,963.7	6,906.2	6,906.2	97.0	138.6	88.82	-3,511.9	-1,458.5	1,251.6	1,017.8	233.78	5.354	
11,900.0	6,963.3	6,905.8	6,905.8	98.7	138.6	88.73	-3,511.9	-1,458.5	1,338.3	1,102.8	235.51	5.683	
11,909.4	6,963.2	6,905.7	6,905.7	98.9	138.6	88.72	-3,511.9	-1,458.5	1,347.5	1,111.8	235.69	5.717	
12,000.0	6,962.8	6,905.3	6,905.3	100.6	138.6	88.64	-3,511.9	-1,458.5	1,436.1	1,198.6	237.46	6.048	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-INC												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,007.8	6,962.7	6,905.2	6,905.2	100.7	138.6	88.63	-3,511.9	-1,458.5	1,443.8	1,206.1	237.61	6.076	
12,100.0	6,962.3	6,904.8	6,904.8	102.5	138.6	88.54	-3,511.9	-1,458.5	1,534.1	1,294.7	239.40	6.408	
12,106.3	6,962.2	6,904.7	6,904.7	102.6	138.6	88.53	-3,511.9	-1,458.5	1,540.3	1,300.8	239.52	6.431	
12,200.0	6,961.8	6,904.3	6,904.3	104.5	138.6	88.44	-3,511.9	-1,458.5	1,632.4	1,391.0	241.35	6.764	
12,204.7	6,961.8	6,904.3	6,904.3	104.5	138.6	88.44	-3,511.9	-1,458.5	1,637.0	1,395.6	241.44	6.780	
12,300.0	6,961.3	6,903.8	6,903.8	106.4	138.6	88.34	-3,511.9	-1,458.5	1,730.9	1,487.6	243.30	7.114	
12,303.1	6,961.3	6,903.8	6,903.8	106.4	138.6	88.34	-3,511.9	-1,458.5	1,734.0	1,490.6	243.36	7.125	
12,400.0	6,960.8	6,903.3	6,903.3	108.3	138.5	88.25	-3,511.9	-1,458.5	1,829.5	1,584.3	245.24	7.460	
12,401.5	6,960.8	6,903.3	6,903.3	108.3	138.5	88.24	-3,511.9	-1,458.5	1,831.0	1,585.8	245.27	7.465	
12,500.0	6,960.3	6,902.8	6,902.8	110.3	138.5	88.15	-3,511.9	-1,458.5	1,928.3	1,681.1	247.19	7.801	
12,598.4	6,959.8	6,902.3	6,902.3	112.2	138.5	88.05	-3,511.9	-1,458.5	2,025.6	1,776.5	249.11	8.132	
12,600.0	6,959.8	6,902.3	6,902.3	112.2	138.5	88.05	-3,511.9	-1,458.5	2,027.2	1,778.1	249.14	8.137	
12,696.8	6,959.3	6,901.8	6,901.8	114.1	138.5	87.96	-3,511.9	-1,458.5	2,123.1	1,872.0	251.02	8.458	
12,700.0	6,959.3	6,901.8	6,901.8	114.1	138.5	87.95	-3,511.9	-1,458.5	2,126.2	1,875.1	251.08	8.468	
12,795.2	6,958.8	6,901.3	6,901.3	116.0	138.5	87.86	-3,511.9	-1,458.5	2,220.6	1,967.7	252.94	8.779	
12,800.0	6,958.8	6,901.3	6,901.3	116.1	138.5	87.86	-3,511.9	-1,458.5	2,225.3	1,972.3	253.03	8.795	
12,893.7	6,958.3	6,900.8	6,900.8	117.9	138.5	87.76	-3,511.9	-1,458.5	2,318.2	2,063.3	254.85	9.096	
12,900.0	6,958.3	6,900.8	6,900.8	118.0	138.5	87.76	-3,511.9	-1,458.5	2,324.5	2,069.5	254.98	9.116	
12,992.1	6,957.9	6,900.4	6,900.4	119.8	138.5	87.67	-3,511.9	-1,458.5	2,415.9	2,159.1	256.77	9.409	
13,000.0	6,957.8	6,900.3	6,900.3	120.0	138.5	87.66	-3,511.9	-1,458.5	2,423.7	2,166.8	256.92	9.434	
13,090.5	6,957.4	6,899.9	6,899.9	121.7	138.5	87.57	-3,511.9	-1,458.5	2,513.6	2,254.9	258.69	9.717	
13,100.0	6,957.3	6,899.8	6,899.8	121.9	138.5	87.56	-3,511.9	-1,458.5	2,523.0	2,264.1	258.87	9.746	
13,188.9	6,956.9	6,899.4	6,899.4	123.6	138.5	87.48	-3,511.9	-1,458.5	2,611.4	2,350.8	260.60	10.021	
13,200.0	6,956.8	6,899.3	6,899.3	123.9	138.5	87.46	-3,511.9	-1,458.5	2,622.4	2,361.5	260.82	10.054	
13,287.4	6,956.4	6,898.9	6,898.9	125.6	138.5	87.38	-3,511.9	-1,458.5	2,709.2	2,446.7	262.52	10.320	
13,300.0	6,956.3	6,898.8	6,898.8	125.8	138.5	87.37	-3,511.9	-1,458.5	2,721.8	2,459.0	262.76	10.358	
13,385.8	6,955.9	6,898.4	6,898.4	127.5	138.4	87.28	-3,511.9	-1,458.5	2,807.1	2,542.6	264.43	10.615	
13,400.0	6,955.8	6,898.3	6,898.3	127.8	138.4	87.27	-3,511.9	-1,458.5	2,821.2	2,556.5	264.71	10.658	
13,484.2	6,955.4	6,897.9	6,897.9	129.4	138.4	87.19	-3,511.9	-1,458.5	2,905.0	2,638.6	266.35	10.907	
13,500.0	6,955.3	6,897.8	6,897.8	129.7	138.4	87.17	-3,511.9	-1,458.5	2,920.7	2,654.0	266.66	10.953	
13,582.6	6,954.9	6,897.4	6,897.4	131.3	138.4	87.09	-3,511.9	-1,458.5	3,002.9	2,734.7	268.26	11.194	
13,600.0	6,954.8	6,897.3	6,897.3	131.7	138.4	87.07	-3,511.9	-1,458.5	3,020.2	2,751.6	268.60	11.244	
13,681.1	6,954.4	6,896.9	6,896.9	133.2	138.4	86.99	-3,511.9	-1,458.5	3,100.9	2,830.7	270.18	11.477	
13,700.0	6,954.3	6,896.8	6,896.8	133.6	138.4	86.97	-3,511.9	-1,458.5	3,119.7	2,849.2	270.54	11.531	
13,779.5	6,953.9	6,896.4	6,896.4	135.2	138.4	86.90	-3,511.9	-1,458.5	3,198.9	2,926.8	272.09	11.757	
13,800.0	6,953.8	6,896.3	6,896.3	135.6	138.4	86.88	-3,511.9	-1,458.5	3,219.3	2,946.8	272.49	11.814	
13,877.9	6,953.5	6,896.0	6,896.0	137.1	138.4	86.80	-3,511.9	-1,458.5	3,296.9	3,022.9	274.00	12.032	
13,900.0	6,953.3	6,895.8	6,895.8	137.5	138.4	86.78	-3,511.9	-1,458.5	3,318.9	3,044.5	274.43	12.094	
13,976.3	6,953.0	6,895.5	6,895.5	139.0	138.4	86.70	-3,511.9	-1,458.5	3,395.0	3,119.1	275.92	12.304	
14,000.0	6,952.8	6,895.3	6,895.3	139.5	138.4	86.68	-3,511.9	-1,458.5	3,418.5	3,142.2	276.38	12.369	
14,074.8	6,952.5	6,895.0	6,895.0	140.9	138.4	86.61	-3,511.9	-1,458.5	3,493.0	3,215.2	277.83	12.573	
14,100.0	6,952.4	6,894.9	6,894.9	141.4	138.4	86.58	-3,511.9	-1,458.5	3,518.2	3,239.9	278.32	12.641	
14,170.4	6,952.0	6,894.5	6,894.5	142.8	138.4	86.51	-3,511.9	-1,458.5	3,588.3	3,308.7	279.62	12.833	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-170.82	-655.8	-106.0	664.7				
98.4	98.4	74.7	74.7	0.1	0.1	-170.80	-655.7	-106.2	664.2	664.1	0.15	4,442.946	
100.0	100.0	76.3	76.3	0.1	0.1	-170.80	-655.7	-106.2	664.2	664.1	0.15	4,357.768	
196.8	196.8	176.3	176.3	0.3	0.2	-170.72	-655.2	-107.0	663.9	663.4	0.49	1,359.082	
200.0	200.0	179.6	179.6	0.3	0.2	-170.72	-655.2	-107.0	663.9	663.4	0.50	1,327.982	
295.3	295.3	271.6	271.6	0.5	0.3	-170.68	-654.7	-107.4	663.4	662.6	0.79	841.010	
300.0	300.0	276.1	276.1	0.5	0.3	-170.68	-654.7	-107.5	663.4	662.6	0.80	826.748	
393.7	393.7	373.5	373.5	0.8	0.3	-170.61	-654.3	-108.2	663.2	662.2	1.08	616.240	
400.0	400.0	380.3	380.3	0.8	0.3	-170.61	-654.3	-108.2	663.2	662.1	1.09	605.780	
492.1	492.1	475.6	475.6	1.0	0.4	-170.55	-653.2	-108.8	662.3	660.9	1.36	488.390	
500.0	500.0	483.7	483.7	1.0	0.4	-170.54	-653.1	-108.8	662.2	660.8	1.38	480.479	
590.5	590.5	579.7	579.6	1.2	0.4	-170.51	-651.5	-108.9	660.7	659.1	1.63	404.771	
600.0	600.0	589.7	589.7	1.2	0.5	-170.50	-651.3	-108.9	660.5	658.9	1.66	398.180	
689.0	689.0	676.2	676.1	1.4	0.5	-170.43	-649.4	-109.4	658.7	656.8	1.90	346.490	
700.0	700.0	686.8	686.7	1.4	0.5	-170.42	-649.2	-109.5	658.5	656.6	1.93	341.024	
787.4	787.4	776.4	776.3	1.6	0.6	-170.34	-647.5	-110.2	656.9	654.8	2.17	303.088	
800.0	800.0	789.5	789.4	1.7	0.6	-170.33	-647.2	-110.2	656.7	654.5	2.20	298.278	
885.8	885.8	874.2	874.1	1.9	0.6	-170.28	-645.4	-110.6	654.9	652.5	2.43	269.611	
900.0	900.0	888.1	887.9	1.9	0.6	-170.27	-645.1	-110.6	654.6	652.2	2.47	265.404	
984.2	984.2	967.3	967.2	2.1	0.6	-170.23	-643.8	-110.8	653.3	650.6	2.69	243.218	
1,000.0	1,000.0	982.0	981.9	2.1	0.7	-170.23	-643.6	-110.8	653.1	650.4	2.73	239.505	
1,082.7	1,082.7	1,063.9	1,063.8	2.3	0.7	-92.99	-642.9	-111.1	652.5	649.6	2.97	220.025	
1,100.0	1,100.0	1,081.4	1,081.2	2.3	0.7	-93.03	-642.7	-111.2	652.4	649.4	3.01	216.723	
1,181.1	1,181.0	1,163.2	1,163.1	2.5	0.7	-93.35	-641.9	-111.5	651.8	648.6	3.21	202.778	
1,200.0	1,199.8	1,182.3	1,182.2	2.5	0.7	-93.46	-641.7	-111.5	651.7	648.5	3.26	199.786	
1,279.5	1,279.1	1,261.3	1,261.1	2.7	0.8	-94.04	-640.9	-111.4	651.3	647.9	3.47	187.471	
1,300.0	1,299.5	1,281.5	1,281.4	2.8	0.8	-94.22	-640.7	-111.4	651.3	647.7	3.53	184.542	
1,328.4	1,327.6	1,309.1	1,309.0	2.8	0.8	-94.48	-640.4	-111.4	651.2	647.6	3.61	180.414 CC, ES	
1,377.9	1,376.9	1,356.0	1,355.9	3.0	0.8	-94.99	-640.1	-111.4	651.4	647.6	3.75	173.861	
1,400.0	1,398.7	1,376.8	1,376.7	3.0	0.8	-95.23	-640.0	-111.4	651.5	647.7	3.81	171.121	
1,476.4	1,474.2	1,452.8	1,452.7	3.2	0.8	-96.24	-639.7	-111.2	652.5	648.4	4.04	161.506	
1,500.0	1,497.5	1,476.8	1,476.7	3.3	0.8	-96.59	-639.6	-111.2	652.8	648.7	4.11	158.768	
1,574.8	1,571.0	1,549.5	1,549.3	3.5	0.9	-97.72	-639.2	-111.4	654.1	649.8	4.37	149.658	
1,600.0	1,595.6	1,573.4	1,573.2	3.6	0.9	-98.12	-639.1	-111.5	654.8	650.3	4.46	146.853	
1,673.2	1,667.0	1,644.2	1,644.0	3.9	0.9	-99.39	-638.9	-111.8	657.1	652.4	4.75	138.341	
1,700.0	1,693.1	1,670.3	1,670.2	4.0	0.9	-99.89	-638.8	-112.0	658.1	653.3	4.86	135.518	
1,735.7	1,727.6	1,705.1	1,705.0	4.1	0.9	-100.59	-638.7	-112.1	659.7	654.6	5.01	131.624	
1,771.6	1,762.4	1,739.9	1,739.8	4.3	0.9	-101.33	-638.6	-112.2	661.3	656.2	5.17	127.818	
1,800.0	1,789.8	1,767.3	1,767.2	4.4	0.9	-101.92	-638.6	-112.2	662.8	657.5	5.30	125.011	
1,870.1	1,857.6	1,833.0	1,832.8	4.7	0.9	-103.33	-638.4	-112.2	666.6	661.0	5.62	118.635	
1,900.0	1,886.6	1,860.1	1,860.0	4.8	0.9	-103.90	-638.5	-112.2	668.5	662.8	5.75	116.272	
1,968.5	1,952.8	1,924.3	1,924.2	5.2	0.9	-105.26	-638.8	-112.1	673.5	667.4	6.06	111.108	
2,000.0	1,983.3	1,955.6	1,955.4	5.3	0.9	-105.93	-639.0	-112.0	675.9	669.6	6.20	108.932	
2,066.9	2,048.0	2,020.3	2,020.1	5.6	1.0	-107.30	-639.2	-111.5	681.2	674.6	6.52	104.545	
2,100.0	2,080.0	2,050.6	2,050.5	5.8	1.0	-107.94	-639.4	-111.2	684.0	677.3	6.67	102.573	
2,165.3	2,143.2	2,111.3	2,111.1	6.1	1.0	-109.19	-639.9	-110.8	690.1	683.1	6.97	98.944	
2,200.0	2,176.7	2,145.2	2,145.1	6.3	1.0	-109.87	-640.3	-110.7	693.5	686.3	7.13	97.200	
2,263.8	2,238.4	2,207.5	2,207.4	6.6	1.0	-111.09	-640.9	-110.6	699.9	692.5	7.43	94.180	
2,300.0	2,273.4	2,241.9	2,241.8	6.8	1.0	-111.76	-641.2	-110.6	703.8	696.2	7.60	92.607	
2,362.2	2,333.6	2,300.9	2,300.8	7.1	1.0	-112.88	-641.9	-110.6	710.6	702.7	7.89	90.088	
2,400.0	2,370.2	2,337.1	2,336.9	7.3	1.0	-113.55	-642.3	-110.6	715.0	706.9	8.06	88.682	
2,460.6	2,428.8	2,395.1	2,394.9	7.6	1.0	-114.62	-643.1	-110.6	722.2	713.9	8.34	86.576	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,466.9	2,434.7	2,434.6	7.8	1.0	-115.34	-643.6	-110.7	727.1	718.5	8.52	85.328	
2,559.0	2,524.0	2,494.6	2,494.4	8.1	1.0	-116.40	-644.1	-110.8	734.3	725.5	8.79	83.561	
2,600.0	2,563.6	2,535.3	2,535.2	8.3	1.0	-117.11	-644.4	-110.9	739.4	730.4	8.97	82.416	
2,657.5	2,619.2	2,592.3	2,592.2	8.6	1.0	-118.08	-644.7	-111.1	746.6	737.3	9.23	80.902	
2,700.0	2,660.3	2,634.4	2,634.2	8.8	1.0	-118.79	-644.9	-111.3	752.0	742.5	9.42	79.851	
2,755.9	2,714.4	2,689.6	2,689.4	9.1	1.0	-119.70	-645.1	-111.6	759.1	749.5	9.66	78.549	
2,800.0	2,757.0	2,731.9	2,731.8	9.4	1.0	-120.39	-645.2	-111.9	764.9	755.1	9.86	77.583	
2,854.3	2,809.6	2,783.6	2,783.4	9.6	1.1	-121.20	-645.4	-112.3	772.2	762.1	10.10	76.466	
2,900.0	2,853.8	2,827.4	2,827.2	9.9	1.1	-121.87	-645.7	-112.7	778.6	768.3	10.30	75.601	
2,952.7	2,904.8	2,878.2	2,878.0	10.2	1.1	-122.64	-646.0	-113.1	786.0	775.5	10.53	74.667	
3,000.0	2,950.5	2,924.2	2,924.1	10.4	1.1	-123.33	-646.3	-113.5	792.9	782.1	10.72	73.927	
3,051.2	3,000.0	2,974.5	2,974.3	10.7	1.1	-124.09	-646.4	-113.6	800.3	789.4	10.93	73.211	
3,100.0	3,047.2	3,022.9	3,022.7	10.9	1.1	-124.82	-646.4	-113.5	807.6	796.4	11.13	72.570	
3,149.6	3,095.2	3,072.6	3,072.4	11.2	1.1	-125.57	-646.4	-113.5	814.9	803.6	11.33	71.935	
3,200.0	3,143.9	3,121.7	3,121.6	11.5	1.1	-126.29	-646.2	-113.5	822.5	810.9	11.53	71.333	
3,248.0	3,190.4	3,167.0	3,166.8	11.7	1.1	-126.93	-646.1	-113.5	829.8	818.1	11.72	70.794	
3,300.0	3,240.6	3,215.7	3,215.5	12.0	1.1	-127.60	-646.2	-113.7	838.0	826.0	11.93	70.258	
3,346.4	3,285.6	3,258.7	3,258.5	12.3	1.1	-128.19	-646.4	-113.8	845.4	833.3	12.11	69.817	
3,400.0	3,337.4	3,308.9	3,308.7	12.5	1.1	-128.87	-646.6	-113.8	854.3	842.0	12.32	69.355	
3,444.9	3,380.8	3,353.8	3,353.6	12.8	1.1	-129.47	-646.7	-113.6	861.8	849.3	12.49	69.022	
3,500.0	3,434.1	3,408.6	3,408.4	13.1	1.1	-130.21	-646.6	-113.2	871.1	858.4	12.69	68.635	
3,543.3	3,476.0	3,450.9	3,450.7	13.3	1.1	-130.77	-646.5	-113.0	878.4	865.6	12.86	68.329	
3,600.0	3,530.8	3,505.8	3,505.6	13.6	1.1	-131.48	-646.4	-112.8	888.1	875.0	13.07	67.956	
3,641.7	3,571.2	3,542.8	3,542.6	13.8	1.1	-131.94	-646.5	-112.6	895.4	882.2	13.23	67.695	
3,700.0	3,627.5	3,594.3	3,594.1	14.2	1.1	-132.59	-646.6	-112.1	906.0	892.5	13.45	67.381	
3,740.1	3,666.4	3,631.3	3,631.1	14.4	1.1	-133.05	-646.8	-111.7	913.5	899.9	13.59	67.196	
3,800.0	3,724.2	3,687.0	3,686.8	14.7	1.2	-133.73	-647.2	-110.9	924.9	911.0	13.81	66.953	
3,838.6	3,761.6	3,723.3	3,723.0	14.9	1.2	-134.17	-647.5	-110.4	932.3	918.4	13.95	66.819	
3,900.0	3,821.0	3,781.3	3,781.1	15.2	1.2	-134.85	-648.0	-109.5	944.4	930.2	14.17	66.637	
3,937.0	3,856.8	3,817.7	3,817.4	15.4	1.2	-135.27	-648.3	-108.9	951.8	937.5	14.30	66.549	
4,000.0	3,917.7	3,882.3	3,882.0	15.8	1.2	-136.01	-648.7	-107.9	964.3	949.7	14.52	66.430	
4,035.4	3,951.9	3,917.6	3,917.3	16.0	1.2	-136.42	-648.7	-107.2	971.2	956.6	14.63	66.364	
4,100.0	4,014.4	3,980.2	3,980.0	16.3	1.2	-137.11	-648.8	-106.3	984.0	969.2	14.85	66.248	
4,133.8	4,047.1	4,012.5	4,012.2	16.5	1.2	-137.45	-649.0	-105.9	990.8	975.8	14.97	66.187	
4,200.0	4,111.1	4,073.5	4,073.2	16.9	1.2	-138.08	-649.3	-105.2	1,004.2	989.0	15.20	66.076	
4,232.3	4,142.3	4,103.6	4,103.3	17.0	1.2	-138.39	-649.6	-104.8	1,010.8	995.5	15.31	66.032	
4,300.0	4,207.8	4,172.2	4,172.0	17.4	1.2	-139.07	-650.1	-104.1	1,024.8	1,009.3	15.53	65.972	
4,330.7	4,237.5	4,203.4	4,203.1	17.6	1.2	-139.37	-650.3	-103.8	1,031.1	1,015.5	15.64	65.945	
4,400.0	4,304.6	4,273.1	4,272.8	17.9	1.2	-140.02	-650.6	-103.3	1,045.3	1,029.4	15.86	65.897	
4,429.1	4,332.7	4,300.0	4,299.7	18.1	1.2	-140.28	-650.7	-103.0	1,051.2	1,035.3	15.96	65.871	
4,500.0	4,401.3	4,363.8	4,363.5	18.5	1.3	-140.87	-650.9	-102.4	1,066.0	1,049.8	16.20	65.808	
4,527.5	4,427.9	4,387.7	4,387.5	18.6	1.3	-141.08	-651.1	-102.1	1,071.9	1,055.6	16.29	65.792	
4,600.0	4,498.0	4,458.5	4,458.2	19.0	1.3	-141.71	-651.7	-101.1	1,087.5	1,071.0	16.53	65.789	
4,626.0	4,523.1	4,484.6	4,484.3	19.2	1.3	-141.94	-651.9	-100.8	1,093.1	1,076.5	16.62	65.791	
4,700.0	4,594.7	4,561.4	4,561.1	19.6	1.3	-142.58	-652.4	-100.1	1,109.0	1,092.1	16.85	65.819	
4,724.4	4,618.3	4,587.0	4,586.7	19.7	1.3	-142.79	-652.6	-100.1	1,114.1	1,097.2	16.93	65.825	
4,800.0	4,691.5	4,664.0	4,663.7	20.1	1.3	-143.38	-653.0	-100.1	1,130.0	1,112.8	17.17	65.820	
4,822.8	4,713.5	4,687.1	4,686.8	20.2	1.3	-143.56	-653.1	-100.1	1,134.8	1,117.5	17.24	65.818	
4,900.0	4,788.2	4,758.6	4,758.3	20.7	1.3	-144.10	-653.4	-100.1	1,151.0	1,133.5	17.49	65.790	
4,921.2	4,808.7	4,777.9	4,777.6	20.8	1.3	-144.24	-653.5	-100.1	1,155.5	1,138.0	17.57	65.786	
5,000.0	4,884.9	4,852.5	4,852.2	21.2	1.3	-144.78	-654.2	-100.1	1,172.5	1,154.7	17.82	65.783	
5,019.7	4,903.9	4,871.5	4,871.2	21.3	1.3	-144.91	-654.4	-100.1	1,176.8	1,158.9	17.89	65.784	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	4,981.6	4,955.3	4,955.0	21.8	1.3	-145.48	-655.2	-100.3	1,194.1	1,176.0	18.14	65.817	
5,118.1	4,999.1	4,975.1	4,974.8	21.8	1.4	-145.61	-655.3	-100.4	1,198.0	1,179.8	18.20	65.826	
5,200.0	5,078.3	5,054.0	5,053.7	22.3	1.4	-146.12	-655.7	-100.9	1,215.3	1,196.8	18.46	65.829	
5,216.5	5,094.3	5,069.1	5,068.8	22.4	1.4	-146.22	-655.7	-101.0	1,218.8	1,200.3	18.51	65.830	
5,300.0	5,175.1	5,149.6	5,149.3	22.8	1.4	-146.74	-656.2	-101.2	1,236.8	1,218.0	18.78	65.851	
5,314.9	5,189.5	5,164.5	5,164.2	22.9	1.4	-146.83	-656.3	-101.3	1,240.0	1,221.2	18.83	65.856	
5,400.0	5,271.8	5,248.0	5,247.7	23.4	1.4	-147.35	-656.7	-101.7	1,258.3	1,239.2	19.10	65.882	
5,413.4	5,284.7	5,261.0	5,260.6	23.5	1.4	-147.43	-656.7	-101.7	1,261.2	1,242.1	19.14	65.887	
5,500.0	5,368.5	5,343.2	5,342.9	23.9	1.4	-147.93	-656.9	-101.9	1,280.0	1,260.6	19.42	65.922	
5,511.8	5,379.9	5,354.2	5,353.9	24.0	1.4	-147.99	-657.0	-102.0	1,282.5	1,263.1	19.45	65.927	
5,600.0	5,465.2	5,441.1	5,440.8	24.5	1.4	-148.50	-657.4	-102.2	1,301.9	1,282.2	19.73	65.983	
5,610.2	5,475.1	5,451.9	5,451.6	24.5	1.4	-148.56	-657.4	-102.3	1,304.1	1,284.4	19.76	65.991	
5,647.2	5,510.9	5,490.9	5,490.6	24.7	1.4	-148.78	-657.6	-102.5	1,312.2	1,292.3	19.88	66.014	
5,700.0	5,562.1	5,543.7	5,543.4	25.0	1.4	-149.17	-657.9	-103.1	1,323.1	1,303.2	19.95	66.306	
5,708.6	5,570.5	5,552.3	5,552.0	25.0	1.4	-149.23	-657.9	-103.2	1,324.8	1,304.9	19.96	66.366	
5,800.0	5,659.6	5,640.3	5,640.0	25.3	1.5	-149.77	-658.6	-104.3	1,341.7	1,321.6	20.05	66.910	
5,807.1	5,666.6	5,646.9	5,646.5	25.4	1.5	-149.81	-658.6	-104.4	1,342.9	1,322.8	20.06	66.951	
5,900.0	5,757.9	5,737.7	5,737.4	25.7	1.5	-150.28	-659.1	-105.1	1,357.5	1,337.4	20.14	67.417	
5,905.5	5,763.3	5,743.5	5,743.2	25.7	1.5	-150.30	-659.2	-105.2	1,358.3	1,338.2	20.14	67.443	
6,000.0	5,856.7	5,839.6	5,839.3	26.0	1.5	-150.66	-660.0	-106.5	1,370.2	1,350.0	20.21	67.782	
6,003.9	5,860.6	5,843.4	5,843.1	26.0	1.5	-150.67	-660.0	-106.6	1,370.6	1,350.4	20.22	67.795	
6,100.0	5,956.1	5,938.3	5,937.9	26.2	1.5	-150.94	-660.4	-107.5	1,379.9	1,359.6	20.28	68.029	
6,102.3	5,958.4	5,940.7	5,940.3	26.2	1.5	-150.95	-660.4	-107.5	1,380.1	1,359.8	20.28	68.034	
6,200.0	6,055.7	6,042.1	6,041.7	26.4	1.5	-151.14	-660.6	-108.5	1,386.4	1,366.1	20.35	68.137	
6,200.8	6,056.5	6,042.9	6,042.5	26.4	1.5	-151.14	-660.6	-108.5	1,386.4	1,366.1	20.35	68.138	
6,299.2	6,154.8	6,151.5	6,151.1	26.5	1.5	-151.28	-659.8	-109.3	1,389.4	1,369.0	20.41	68.086	
6,300.0	6,155.6	6,152.4	6,152.1	26.5	1.5	-151.28	-659.8	-109.3	1,389.4	1,369.0	20.41	68.085	
6,382.9	6,238.5	6,244.0	6,243.6	26.6	1.6	131.36	-658.3	-110.3	1,388.9	1,368.5	20.43	67.979	
6,397.6	6,253.2	6,259.5	6,259.1	26.6	1.6	131.36	-658.1	-110.6	1,388.6	1,368.1	20.45	67.888	
6,400.0	6,255.6	6,262.0	6,261.6	26.6	1.6	131.36	-658.0	-110.6	1,388.5	1,368.1	20.46	67.873	
6,412.9	6,268.5	6,275.6	6,275.2	26.6	1.6	131.36	-657.8	-110.8	1,388.2	1,367.8	20.48	67.788	
6,450.0	6,305.6	6,314.0	6,313.6	26.7	1.6	-48.97	-657.3	-111.5	1,386.8	1,366.3	20.49	67.684	
6,496.0	6,351.5	6,360.0	6,359.6	26.7	1.6	-49.31	-656.7	-112.4	1,383.1	1,362.7	20.43	67.718	
6,500.0	6,355.4	6,363.9	6,363.5	26.7	1.6	-49.34	-656.7	-112.5	1,382.7	1,362.3	20.42	67.723	
6,550.0	6,404.8	6,410.7	6,410.2	26.7	1.6	-49.95	-656.1	-113.5	1,376.5	1,356.2	20.31	67.765	
6,594.5	6,448.1	6,445.4	6,445.0	26.8	1.6	-50.64	-655.8	-114.1	1,369.3	1,349.1	20.19	67.804	
6,600.0	6,453.5	6,449.7	6,449.3	26.8	1.6	-50.74	-655.8	-114.2	1,368.3	1,348.1	20.18	67.814	
6,650.0	6,501.3	6,488.3	6,487.8	26.8	1.6	-51.72	-656.0	-114.9	1,358.3	1,338.3	20.01	67.898	
6,692.9	6,541.4	6,525.3	6,524.8	26.8	1.6	-52.79	-656.3	-115.5	1,348.4	1,328.6	19.83	68.009	
6,700.0	6,548.0	6,531.7	6,531.3	26.8	1.6	-52.99	-656.4	-115.6	1,346.6	1,326.8	19.79	68.036	
6,750.0	6,593.3	6,576.5	6,576.0	26.8	1.6	-54.54	-656.9	-116.3	1,333.1	1,313.5	19.55	68.194	
6,791.3	6,629.6	6,612.9	6,612.5	26.8	1.6	-56.03	-657.3	-116.9	1,320.6	1,301.2	19.34	68.293	
6,800.0	6,637.0	6,620.6	6,620.2	26.8	1.6	-56.36	-657.4	-117.0	1,317.8	1,298.5	19.29	68.317	
6,850.0	6,679.0	6,664.0	6,663.6	26.8	1.6	-58.46	-657.9	-117.8	1,301.0	1,281.9	19.04	68.341	
6,889.7	6,710.9	6,697.1	6,696.6	26.8	1.6	-60.29	-658.3	-118.4	1,286.6	1,267.7	18.86	68.230	
6,900.0	6,718.9	6,706.1	6,705.6	26.8	1.6	-60.81	-658.4	-118.6	1,282.8	1,264.0	18.81	68.198	
6,950.0	6,756.7	6,749.6	6,749.1	26.8	1.6	-63.49	-658.9	-119.5	1,263.3	1,244.7	18.63	67.830	
6,988.2	6,783.9	6,780.8	6,780.2	26.8	1.7	-65.68	-659.1	-120.2	1,247.8	1,229.3	18.53	67.329	
7,000.0	6,792.0	6,790.1	6,789.5	26.8	1.7	-66.38	-659.1	-120.5	1,242.9	1,224.4	18.51	67.163	
7,050.0	6,824.8	6,820.0	6,819.5	26.8	1.7	-69.15	-659.3	-121.2	1,221.9	1,203.4	18.47	66.167	
7,086.6	6,847.2	6,838.6	6,838.1	26.8	1.7	-71.15	-659.4	-121.5	1,206.4	1,187.9	18.50	65.225	
7,100.0	6,854.9	6,845.2	6,844.6	26.8	1.7	-71.88	-659.4	-121.7	1,200.7	1,182.2	18.50	64.918	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-1 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
7,150.0	6,882.2	6,868.1	6,867.6	26.8	1.7	-74.62	-659.6	-122.0	1,179.7	1,161.1	18.59	63.469		
7,185.0	6,899.5	6,882.8	6,882.2	26.8	1.7	-76.51	-659.8	-122.2	1,165.2	1,146.6	18.69	62.359		
7,200.0	6,906.5	6,888.7	6,888.2	26.9	1.7	-77.30	-659.8	-122.3	1,159.1	1,140.4	18.74	61.868		
7,250.0	6,927.6	6,907.8	6,907.3	26.9	1.7	-79.92	-660.1	-122.5	1,139.3	1,120.3	18.94	60.158		
7,283.4	6,940.0	6,919.9	6,919.4	27.0	1.7	-81.61	-660.2	-122.6	1,126.5	1,107.4	19.11	58.955		
7,300.0	6,945.5	6,925.4	6,924.8	27.0	1.7	-82.41	-660.2	-122.7	1,120.4	1,101.2	19.20	58.366		
7,350.0	6,960.2	6,939.6	6,939.1	27.1	1.7	-84.65	-660.3	-122.7	1,102.7	1,083.2	19.51	56.508		
7,381.9	6,967.8	6,946.9	6,946.4	27.2	1.7	-85.93	-660.4	-122.8	1,092.3	1,072.5	19.76	55.290		
7,400.0	6,971.5	6,950.5	6,949.9	27.2	1.7	-86.59	-660.4	-122.8	1,086.6	1,066.7	19.90	54.615		
7,450.0	6,979.3	6,958.0	6,957.5	27.4	1.7	-88.20	-660.4	-122.8	1,072.3	1,052.0	20.34	52.730		
7,480.3	6,982.4	6,961.0	6,960.4	27.5	1.7	-89.00	-660.4	-122.8	1,064.7	1,044.0	20.63	51.601		
7,500.0	6,983.7	6,962.3	6,961.7	27.5	1.7	-89.44	-660.4	-122.8	1,060.1	1,039.2	20.83	50.902		
7,541.4	6,984.7	6,963.3	6,962.8	27.7	1.7	-90.20	-660.4	-122.8	1,051.6	1,030.3	21.26	49.467		
7,578.7	6,984.5	6,963.2	6,962.7	27.9	1.7	-90.19	-660.4	-122.8	1,045.3	1,023.6	21.63	48.324		
7,600.0	6,984.4	6,963.2	6,962.6	28.0	1.7	-90.19	-660.4	-122.8	1,042.2	1,020.4	21.84	47.717		
7,677.1	6,984.0	6,963.0	6,962.5	28.5	1.7	-90.18	-660.4	-122.8	1,034.9	1,012.2	22.66	45.670		
7,700.0	6,983.9	6,963.0	6,962.5	28.6	1.7	-90.18	-660.4	-122.8	1,033.8	1,010.9	22.90	45.139		
7,737.5	6,983.7	6,962.9	6,962.4	28.9	1.7	-90.18	-660.4	-122.8	1,033.1	1,009.8	23.33	44.276		
7,775.6	6,983.5	6,962.9	6,962.3	29.2	1.7	-90.17	-660.4	-122.8	1,033.8	1,010.1	23.77	43.491		
7,800.0	6,983.4	6,962.8	6,962.3	29.4	1.7	-90.17	-660.4	-122.8	1,035.0	1,011.0	24.05	43.033		
7,874.0	6,983.1	6,962.7	6,962.2	30.0	1.7	-90.16	-660.4	-122.8	1,042.1	1,017.1	24.98	41.709		
7,900.0	6,982.9	6,962.7	6,962.1	30.3	1.7	-90.16	-660.4	-122.8	1,045.8	1,020.5	25.31	41.316		
7,972.4	6,982.6	6,962.5	6,962.0	31.0	1.7	-90.15	-660.4	-122.8	1,059.5	1,033.2	26.29	40.293		
8,000.0	6,982.4	6,962.5	6,961.9	31.3	1.7	-90.15	-660.4	-122.8	1,065.9	1,039.3	26.67	39.969		
8,070.8	6,982.1	6,962.4	6,961.8	32.1	1.7	-90.14	-660.4	-122.8	1,085.6	1,057.9	27.69	39.209		
8,100.0	6,982.0	6,962.3	6,961.8	32.4	1.7	-90.14	-660.4	-122.8	1,094.9	1,066.8	28.11	38.955		
8,169.3	6,981.6	6,962.2	6,961.7	33.2	1.7	-90.13	-660.4	-122.8	1,119.7	1,090.6	29.15	38.414		
8,200.0	6,981.5	6,962.2	6,961.6	33.6	1.7	-90.13	-660.4	-122.8	1,131.9	1,102.3	29.61	38.227		
8,267.7	6,981.1	6,962.1	6,961.5	34.5	1.7	-90.13	-660.4	-122.8	1,161.2	1,130.5	30.67	37.864		
8,300.0	6,981.0	6,962.0	6,961.5	34.9	1.7	-90.12	-660.4	-122.8	1,176.3	1,145.1	31.17	37.735		
8,366.1	6,980.7	6,961.9	6,961.4	35.8	1.7	-90.12	-660.4	-122.8	1,209.3	1,177.1	32.24	37.512		
8,400.0	6,980.5	6,961.8	6,961.3	36.3	1.7	-90.11	-660.4	-122.8	1,227.3	1,194.5	32.78	37.435		
8,464.5	6,980.2	6,961.7	6,961.2	37.2	1.7	-90.11	-660.4	-122.8	1,263.3	1,229.4	33.85	37.318		
8,500.0	6,980.0	6,961.7	6,961.2	37.7	1.7	-90.11	-660.4	-122.8	1,284.0	1,249.6	34.44	37.285		
8,563.0	6,979.7	6,961.6	6,961.1	38.6	1.7	-90.10	-660.4	-122.8	1,322.4	1,286.9	35.50	37.249 SF		
8,600.0	6,979.5	6,961.5	6,961.0	39.1	1.7	-90.10	-660.4	-122.8	1,345.8	1,309.7	36.13	37.252		
8,661.4	6,979.2	6,961.5	6,960.9	40.1	1.7	-90.09	-660.4	-122.8	1,386.0	1,348.8	37.18	37.274		
8,700.0	6,979.0	6,961.4	6,960.9	40.7	1.7	-90.09	-660.4	-122.8	1,412.0	1,374.1	37.85	37.308		
8,759.8	6,978.7	6,961.3	6,960.8	41.6	1.7	-90.09	-660.4	-122.8	1,453.4	1,414.5	38.89	37.371		
8,800.0	6,978.5	6,961.3	6,960.7	42.2	1.7	-90.08	-660.4	-122.8	1,482.0	1,442.4	39.59	37.430		
8,858.2	6,978.2	6,961.2	6,960.6	43.1	1.7	-90.08	-660.4	-122.8	1,524.3	1,483.6	40.62	37.521		
8,900.0	6,978.0	6,961.1	6,960.6	43.8	1.7	-90.07	-660.4	-122.8	1,555.2	1,513.8	41.36	37.600		
8,956.7	6,977.8	6,961.0	6,960.5	44.7	1.7	-90.07	-660.4	-122.8	1,598.0	1,555.6	42.38	37.710		
9,000.0	6,977.5	6,961.0	6,960.4	45.4	1.7	-90.07	-660.4	-122.8	1,631.3	1,588.2	43.15	37.804		
9,055.1	6,977.3	6,960.9	6,960.4	46.3	1.7	-90.06	-660.4	-122.8	1,674.3	1,630.2	44.15	37.925		
9,100.0	6,977.1	6,960.9	6,960.3	47.1	1.7	-90.06	-660.4	-122.8	1,709.9	1,664.9	44.96	38.032		
9,153.5	6,976.8	6,960.8	6,960.2	48.0	1.7	-90.06	-660.4	-122.8	1,752.8	1,706.9	45.93	38.159		
9,200.0	6,976.6	6,960.7	6,960.2	48.8	1.7	-90.05	-660.4	-122.8	1,790.6	1,743.8	46.78	38.275		
9,251.9	6,976.3	6,960.7	6,960.1	49.7	1.7	-90.05	-660.4	-122.8	1,833.3	1,785.5	47.74	38.404		
9,300.0	6,976.1	6,960.6	6,960.1	50.5	1.7	-90.05	-660.4	-122.8	1,873.1	1,824.5	48.62	38.528		
9,350.4	6,975.8	6,960.5	6,960.0	51.3	1.7	-90.04	-660.4	-122.8	1,915.4	1,865.8	49.55	38.656		
9,400.0	6,975.6	6,960.5	6,959.9	52.2	1.7	-90.04	-660.4	-122.8	1,957.3	1,906.9	50.47	38.785		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-1 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,448.8	6,975.3	6,960.4	6,959.9	53.1	1.7	-90.03	-660.4	-122.8	1,999.0	1,947.6	51.37	38.910		
9,500.0	6,975.1	6,960.4	6,959.8	54.0	1.7	-90.03	-660.4	-122.8	2,043.0	1,990.6	52.33	39.043		
9,547.2	6,974.9	6,960.3	6,959.8	54.8	1.7	-90.03	-660.4	-122.8	2,083.8	2,030.6	53.21	39.163		
9,600.0	6,974.6	6,960.2	6,959.7	55.7	1.7	-90.02	-660.4	-122.8	2,129.8	2,075.6	54.20	39.299		
9,645.6	6,974.4	6,960.2	6,959.6	56.5	1.7	-90.02	-660.4	-122.8	2,169.9	2,114.8	55.05	39.414		
9,700.0	6,974.1	6,960.1	6,959.6	57.5	1.7	-90.02	-660.4	-122.8	2,217.8	2,161.7	56.07	39.552		
9,744.1	6,973.9	6,960.1	6,959.5	58.3	1.7	-90.02	-660.4	-122.8	2,256.9	2,200.0	56.90	39.662		
9,800.0	6,973.6	6,960.0	6,959.5	59.3	1.7	-90.01	-660.4	-122.8	2,306.8	2,248.8	57.96	39.800		
9,842.5	6,973.4	6,960.0	6,959.4	60.0	1.7	-90.01	-660.4	-122.8	2,344.8	2,286.1	58.76	39.903		
9,900.0	6,973.1	6,959.9	6,959.4	61.1	1.7	-90.01	-660.4	-122.8	2,396.6	2,336.7	59.85	40.043		
9,940.9	6,972.9	6,959.9	6,959.3	61.8	1.7	-90.00	-660.4	-122.8	2,433.6	2,373.0	60.63	40.139		
10,000.0	6,972.6	6,959.8	6,959.2	62.9	1.7	-90.00	-660.4	-122.8	2,487.2	2,425.4	61.75	40.278		
10,039.3	6,972.4	6,959.7	6,959.2	63.6	1.7	-90.00	-660.4	-122.8	2,523.0	2,460.5	62.50	40.369		
10,100.0	6,972.1	6,959.7	6,959.1	64.7	1.7	-89.99	-660.4	-122.8	2,578.5	2,514.8	63.65	40.507		
10,137.8	6,972.0	6,959.6	6,959.1	65.4	1.7	-89.99	-660.4	-122.8	2,613.2	2,548.8	64.38	40.592		
10,200.0	6,971.6	6,959.6	6,959.0	66.6	1.7	-89.99	-660.4	-122.8	2,670.4	2,604.9	65.56	40.729		
10,236.2	6,971.5	6,959.5	6,959.0	67.2	1.7	-89.98	-660.4	-122.8	2,703.8	2,637.6	66.26	40.808		
10,300.0	6,971.2	6,959.5	6,958.9	68.4	1.7	-89.98	-660.4	-122.8	2,762.9	2,695.4	67.48	40.944		
10,334.6	6,971.0	6,959.4	6,958.9	69.0	1.7	-89.98	-660.4	-122.8	2,795.0	2,726.9	68.14	41.017		
10,400.0	6,970.7	6,959.4	6,958.8	70.2	1.7	-89.98	-660.4	-122.8	2,855.9	2,786.5	69.40	41.152		
10,433.0	6,970.5	6,959.3	6,958.8	70.9	1.7	-89.97	-660.4	-122.8	2,886.7	2,816.7	70.03	41.219		
10,500.0	6,970.2	6,959.3	6,958.7	72.1	1.7	-89.97	-660.4	-122.8	2,949.3	2,878.0	71.32	41.352		
10,531.5	6,970.0	6,959.2	6,958.7	72.7	1.7	-89.97	-660.4	-122.8	2,978.8	2,906.9	71.93	41.414		
10,600.0	6,969.7	6,959.2	6,958.6	74.0	1.7	-89.96	-660.4	-122.8	3,043.2	2,970.0	73.25	41.546		
10,629.9	6,969.5	6,959.1	6,958.6	74.5	1.7	-89.96	-660.4	-122.8	3,071.4	2,997.5	73.83	41.602		
10,700.0	6,969.2	6,959.1	6,958.5	75.8	1.7	-89.96	-660.4	-122.8	3,137.5	3,062.3	75.18	41.733		
10,728.3	6,969.0	6,959.0	6,958.5	76.4	1.7	-89.96	-660.4	-122.8	3,164.2	3,088.5	75.73	41.784		
10,800.0	6,968.7	6,959.0	6,958.4	77.7	1.7	-89.95	-660.4	-122.8	3,232.0	3,154.9	77.11	41.913		
10,826.7	6,968.6	6,959.0	6,958.4	78.2	1.7	-89.95	-660.4	-122.8	3,257.4	3,179.8	77.63	41.960		
10,900.0	6,968.2	6,958.9	6,958.3	79.6	1.7	-89.95	-660.4	-122.8	3,327.0	3,247.9	79.05	42.087		
10,925.2	6,968.1	6,958.9	6,958.3	80.1	1.7	-89.95	-660.4	-122.8	3,350.9	3,271.4	79.54	42.129		
11,000.0	6,967.7	6,958.8	6,958.3	81.5	1.7	-89.94	-660.4	-122.8	3,422.2	3,341.2	80.99	42.254		
11,023.6	6,967.6	6,958.8	6,958.2	81.9	1.7	-89.94	-660.4	-122.8	3,444.7	3,363.2	81.45	42.293		
11,100.0	6,967.2	6,958.7	6,958.2	83.4	1.7	-89.94	-660.4	-122.8	3,517.6	3,434.7	82.93	42.416		
11,122.0	6,967.1	6,958.7	6,958.1	83.8	1.7	-89.94	-660.4	-122.8	3,538.7	3,455.3	83.36	42.451		
11,200.0	6,966.7	6,958.6	6,958.1	85.3	1.7	-89.93	-660.4	-122.8	3,613.3	3,528.5	84.88	42.572		
11,220.4	6,966.6	6,958.6	6,958.1	85.7	1.7	-89.93	-660.4	-122.8	3,632.9	3,547.7	85.27	42.603		
11,300.0	6,966.2	6,958.5	6,958.0	87.2	1.7	-89.93	-660.4	-122.8	3,709.3	3,622.4	86.82	42.723		
11,318.9	6,966.1	6,958.5	6,958.0	87.5	1.7	-89.93	-660.4	-122.8	3,727.4	3,640.2	87.19	42.750		
11,400.0	6,965.7	6,958.4	6,957.9	89.1	1.7	-89.92	-660.4	-122.8	3,805.4	3,716.6	88.77	42.868		
11,417.3	6,965.6	6,958.4	6,957.9	89.4	1.7	-89.92	-660.4	-122.8	3,822.1	3,733.0	89.11	42.892		
11,500.0	6,965.2	6,958.4	6,957.8	91.0	1.7	-89.92	-660.4	-122.8	3,901.7	3,811.0	90.72	43.008		
11,515.7	6,965.2	6,958.3	6,957.8	91.3	1.7	-89.92	-660.4	-122.8	3,916.9	3,825.9	91.03	43.030		
11,600.0	6,964.7	6,958.3	6,957.7	92.9	1.7	-89.91	-660.4	-122.8	3,998.3	3,905.6	92.67	43.144		
11,614.1	6,964.7	6,958.3	6,957.7	93.2	1.7	-89.91	-660.4	-122.8	4,011.9	3,919.0	92.95	43.163		
11,700.0	6,964.3	6,958.2	6,957.7	94.8	1.7	-89.91	-660.4	-122.8	4,095.0	4,000.3	94.63	43.275		
11,712.6	6,964.2	6,958.2	6,957.6	95.1	1.7	-89.91	-660.4	-122.8	4,107.1	4,012.2	94.87	43.291		
11,800.0	6,963.8	6,958.1	6,957.6	96.7	1.7	-89.90	-660.4	-122.8	4,191.8	4,095.2	96.58	43.401		
11,811.0	6,963.7	6,958.1	6,957.6	97.0	1.7	-89.90	-660.4	-122.8	4,202.5	4,105.7	96.80	43.415		
11,900.0	6,963.3	6,958.0	6,957.5	98.7	1.7	-89.90	-660.4	-122.8	4,288.8	4,190.2	98.54	43.524		
11,909.4	6,963.2	6,958.0	6,957.5	98.9	1.7	-89.90	-660.4	-122.8	4,297.9	4,199.2	98.72	43.535		
12,000.0	6,962.8	6,958.0	6,957.4	100.6	1.7	-89.89	-660.4	-122.8	4,385.9	4,285.4	100.50	43.642		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-1 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Reference Depth (usft)	Offset Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,007.8	6,962.7	6,958.0	6,957.4	100.7	1.7	-89.89	-660.4	-122.8	4,393.5	4,292.9	100.65	43.651	
12,100.0	6,962.3	6,957.9	6,957.3	102.5	1.7	-89.89	-660.4	-122.8	4,483.2	4,380.7	102.46	43.757	
12,106.3	6,962.2	6,957.9	6,957.3	102.6	1.7	-89.89	-660.4	-122.8	4,489.3	4,386.7	102.58	43.764	
12,200.0	6,961.8	6,957.8	6,957.3	104.5	1.7	-89.88	-660.4	-122.8	4,580.5	4,476.1	104.42	43.867	
12,204.7	6,961.8	6,957.8	6,957.3	104.5	1.7	-89.88	-660.4	-122.8	4,585.1	4,480.6	104.51	43.873	
12,300.0	6,961.3	6,957.7	6,957.2	106.4	1.7	-89.88	-660.4	-122.8	4,678.0	4,571.6	106.38	43.975	
12,303.1	6,961.3	6,957.7	6,957.2	106.4	1.7	-89.88	-660.4	-122.8	4,681.0	4,574.6	106.44	43.978	
12,400.0	6,960.8	6,957.7	6,957.1	108.3	1.7	-89.87	-660.4	-122.8	4,775.6	4,667.2	108.34	44.079	
12,401.5	6,960.8	6,957.7	6,957.1	108.3	1.7	-89.87	-660.4	-122.8	4,777.1	4,668.7	108.37	44.080	
12,500.0	6,960.3	6,957.6	6,957.0	110.3	1.7	-89.87	-660.4	-122.8	4,873.3	4,763.0	110.31	44.179	
12,598.4	6,959.8	6,957.5	6,957.0	112.2	1.7	-89.87	-660.4	-122.8	4,969.5	4,857.2	112.24	44.275	
12,600.0	6,959.8	6,957.5	6,957.0	112.2	1.7	-89.87	-660.4	-122.8	4,971.0	4,858.8	112.27	44.277	
12,696.8	6,959.3	6,957.5	6,956.9	114.1	1.7	-89.86	-660.4	-122.8	5,065.8	4,951.6	114.17	44.369	
12,700.0	6,959.3	6,957.5	6,956.9	114.1	1.7	-89.86	-660.4	-122.8	5,068.9	4,954.7	114.24	44.372	
12,795.2	6,958.8	6,957.4	6,956.8	116.0	1.7	-89.86	-660.4	-122.8	5,162.2	5,046.1	116.11	44.459	
12,800.0	6,958.8	6,957.4	6,956.8	116.1	1.7	-89.86	-660.4	-122.8	5,166.8	5,050.6	116.20	44.463	
12,893.7	6,958.3	6,957.3	6,956.8	117.9	1.7	-89.85	-660.4	-122.8	5,258.6	5,140.6	118.05	44.547	
12,900.0	6,958.3	6,957.3	6,956.8	118.0	1.7	-89.85	-660.4	-122.8	5,264.9	5,146.7	118.17	44.553	
12,992.1	6,957.9	6,957.3	6,956.7	119.8	1.7	-89.85	-660.4	-122.8	5,355.2	5,235.2	119.98	44.632	
13,000.0	6,957.8	6,957.2	6,956.7	120.0	1.7	-89.85	-660.4	-122.8	5,362.9	5,242.8	120.14	44.639	
13,090.5	6,957.4	6,957.2	6,956.6	121.7	1.7	-89.85	-660.4	-122.8	5,451.8	5,329.9	121.92	44.715	
13,100.0	6,957.3	6,957.2	6,956.6	121.9	1.7	-89.85	-660.4	-122.8	5,461.1	5,339.0	122.11	44.723	
13,188.9	6,956.9	6,957.1	6,956.6	123.6	1.7	-89.84	-660.4	-122.8	5,548.5	5,424.6	123.86	44.796	
13,200.0	6,956.8	6,957.1	6,956.6	123.9	1.7	-89.84	-660.4	-122.8	5,559.3	5,435.3	124.08	44.805	
13,287.4	6,956.4	6,957.1	6,956.5	125.6	1.7	-89.84	-660.4	-122.8	5,645.2	5,519.4	125.80	44.874	
13,300.0	6,956.3	6,957.1	6,956.5	125.8	1.7	-89.84	-660.4	-122.8	5,657.6	5,531.6	126.05	44.884	
13,385.8	6,955.9	6,957.0	6,956.5	127.5	1.7	-89.83	-660.4	-122.8	5,742.0	5,614.3	127.74	44.950	
13,400.0	6,955.8	6,957.0	6,956.4	127.8	1.7	-89.83	-660.4	-122.8	5,756.0	5,627.9	128.02	44.961	
13,484.2	6,955.4	6,956.9	6,956.4	129.4	1.7	-89.83	-660.4	-122.8	5,838.8	5,709.2	129.68	45.024	
13,500.0	6,955.3	6,956.9	6,956.4	129.7	1.7	-89.83	-660.4	-122.8	5,854.4	5,724.4	129.99	45.036	
13,582.6	6,954.9	6,956.9	6,956.3	131.3	1.7	-89.83	-660.4	-122.8	5,935.7	5,804.1	131.62	45.096	
13,600.0	6,954.8	6,956.9	6,956.3	131.7	1.7	-89.83	-660.4	-122.8	5,952.8	5,820.9	131.97	45.109	
13,681.1	6,954.4	6,956.8	6,956.3	133.2	1.7	-89.82	-660.4	-122.8	6,032.7	5,899.1	133.57	45.167	
13,700.0	6,954.3	6,956.8	6,956.3	133.6	1.7	-89.82	-660.4	-122.8	6,051.3	5,917.4	133.94	45.180	
13,779.5	6,953.9	6,956.8	6,956.2	135.2	1.7	-89.82	-660.4	-122.8	6,129.7	5,994.2	135.51	45.235	
13,800.0	6,953.8	6,956.7	6,956.2	135.6	1.7	-89.82	-660.4	-122.8	6,149.9	6,014.0	135.91	45.249	
13,877.9	6,953.5	6,956.7	6,956.2	137.1	1.7	-89.82	-660.4	-122.8	6,226.7	6,089.3	137.45	45.302	
13,900.0	6,953.3	6,956.7	6,956.1	137.5	1.7	-89.81	-660.4	-122.8	6,248.5	6,110.6	137.89	45.316	
13,976.3	6,953.0	6,956.6	6,956.1	139.0	1.7	-89.81	-660.4	-122.8	6,323.8	6,184.4	139.39	45.366	
14,000.0	6,952.8	6,956.6	6,956.1	139.5	1.7	-89.81	-660.4	-122.8	6,347.1	6,207.3	139.86	45.382	
14,074.8	6,952.5	6,956.6	6,956.0	140.9	1.7	-89.81	-660.4	-122.8	6,420.9	6,279.6	141.34	45.430	
14,100.0	6,952.4	6,956.6	6,956.0	141.4	1.7	-89.81	-660.4	-122.8	6,445.8	6,304.0	141.84	45.446	
14,170.4	6,952.0	6,956.5	6,956.0	142.8	1.7	-89.81	-660.4	-122.8	6,515.3	6,372.1	143.16	45.509	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-2 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	6.3	6.3	0.0	0.0	130.51	-564.7	660.8	869.2				
98.4	98.4	101.9	101.9	0.1	0.0	130.52	-564.9	660.9	869.4	869.3	0.13	6,459.568	
100.0	100.0	103.6	103.6	0.1	0.0	130.52	-564.9	660.9	869.4	869.3	0.14	6,274.203	
196.8	196.8	204.1	204.1	0.3	0.2	130.54	-565.1	660.8	869.5	869.0	0.49	1,781.568	
200.0	200.0	207.3	207.3	0.3	0.2	130.54	-565.1	660.8	869.5	869.0	0.50	1,745.158	
263.5	263.5	270.0	270.0	0.5	0.2	130.55	-565.3	660.7	869.5	868.8	0.70	1,235.787	
295.3	295.3	301.4	301.4	0.5	0.3	130.56	-565.3	660.6	869.5	868.7	0.81	1,078.581	
300.0	300.0	306.2	306.2	0.5	0.3	130.56	-565.4	660.6	869.5	868.7	0.82	1,060.006	
393.7	393.7	400.6	400.6	0.8	0.3	130.57	-565.5	660.5	869.5	868.4	1.10	790.061	
400.0	400.0	407.1	407.1	0.8	0.3	130.57	-565.5	660.5	869.5	868.4	1.12	777.292	
492.1	492.1	500.0	500.0	1.0	0.4	130.58	-565.5	660.2	869.3	867.9	1.38	628.945	
500.0	500.0	508.8	508.8	1.0	0.4	130.58	-565.5	660.2	869.3	867.9	1.40	619.536	
553.0	553.0	559.5	559.5	1.1	0.4	130.59	-565.6	660.1	869.2	867.7	1.54	564.018	
590.5	590.5	595.4	595.4	1.2	0.4	130.60	-565.7	660.0	869.3	867.6	1.64	530.390	
600.0	600.0	604.6	604.6	1.2	0.4	130.60	-565.8	660.0	869.3	867.6	1.66	522.252	
689.0	689.0	692.6	692.6	1.4	0.5	130.63	-566.2	659.9	869.5	867.6	1.91	454.187 ES	
700.0	700.0	703.4	703.4	1.4	0.5	130.63	-566.3	659.9	869.6	867.6	1.95	447.063	
787.4	787.4	786.9	786.8	1.6	0.5	130.66	-566.9	660.0	870.1	867.9	2.18	398.922	
800.0	800.0	800.0	800.0	1.7	0.5	130.66	-567.0	660.1	870.2	868.0	2.22	392.749	
885.8	885.8	887.3	887.3	1.9	0.6	130.69	-567.7	660.3	870.8	868.4	2.45	355.639	
900.0	900.0	901.9	901.9	1.9	0.6	130.70	-567.9	660.3	870.9	868.4	2.49	350.160	
984.2	984.2	989.0	988.9	2.1	0.6	130.75	-568.6	660.0	871.2	868.5	2.71	320.895	
1,000.0	1,000.0	1,005.2	1,005.1	2.1	0.6	130.76	-568.8	659.9	871.2	868.5	2.76	315.940	
1,082.7	1,082.7	1,089.3	1,089.3	2.3	0.7	-151.87	-569.7	659.2	872.3	869.4	2.92	298.654	
1,100.0	1,100.0	1,106.7	1,106.6	2.3	0.7	-151.87	-569.8	659.1	872.8	869.9	2.96	294.380	
1,181.1	1,181.0	1,185.4	1,185.4	2.5	0.7	-151.89	-570.7	658.5	876.4	873.2	3.17	276.696	
1,200.0	1,199.8	1,203.7	1,203.7	2.5	0.7	-151.90	-570.9	658.4	877.6	874.4	3.21	272.991	
1,279.5	1,279.1	1,280.3	1,280.3	2.7	0.8	-151.99	-571.7	658.1	883.8	880.4	3.42	258.353	
1,300.0	1,299.5	1,300.0	1,300.0	2.8	0.8	-152.02	-571.9	658.2	885.8	882.3	3.47	254.982	
1,377.9	1,376.9	1,377.0	1,377.0	3.0	0.8	-152.18	-572.6	658.2	894.4	890.8	3.69	242.572	
1,400.0	1,398.7	1,398.8	1,398.7	3.0	0.8	-152.23	-572.8	658.2	897.2	893.5	3.75	239.426	
1,476.4	1,474.2	1,474.5	1,474.4	3.2	0.8	-152.46	-573.3	658.6	908.1	904.2	3.95	229.728	
1,500.0	1,497.5	1,497.8	1,497.7	3.3	0.8	-152.56	-573.3	658.8	911.8	907.8	4.02	227.023	
1,574.8	1,571.0	1,576.1	1,576.1	3.5	0.8	-152.89	-573.1	659.3	924.6	920.4	4.23	218.419	
1,600.0	1,595.6	1,602.5	1,602.5	3.6	0.8	-153.00	-573.1	659.4	929.2	924.9	4.30	215.854	
1,673.2	1,667.0	1,679.5	1,679.5	3.9	0.8	-153.36	-572.8	659.3	943.4	938.9	4.52	208.525	
1,700.0	1,693.1	1,706.7	1,706.7	4.0	0.8	-153.49	-572.6	659.2	949.0	944.4	4.60	206.144	
1,735.7	1,727.6	1,739.6	1,739.6	4.1	0.8	-153.65	-572.4	659.1	956.7	952.0	4.71	202.933	
1,771.6	1,762.4	1,772.7	1,772.7	4.3	0.9	-153.88	-572.3	659.0	964.8	960.0	4.82	200.101	
1,800.0	1,789.8	1,800.0	1,799.9	4.4	0.9	-154.06	-572.3	658.9	971.2	966.3	4.90	198.036	
1,870.1	1,857.6	1,874.7	1,874.6	4.7	0.9	-154.53	-572.3	658.2	986.9	981.8	5.12	192.579	
1,900.0	1,886.6	1,907.3	1,907.2	4.8	0.9	-154.73	-572.3	657.7	993.4	988.2	5.21	190.514	
1,968.5	1,952.8	1,982.2	1,982.2	5.2	0.9	-155.16	-572.0	656.2	1,008.1	1,002.6	5.42	185.920	
2,000.0	1,983.3	2,013.9	2,013.8	5.3	0.9	-155.35	-571.7	655.5	1,014.6	1,009.1	5.52	183.749	
2,066.9	2,048.0	2,074.6	2,074.5	5.6	0.9	-155.68	-571.3	654.2	1,028.8	1,023.0	5.74	179.364	
2,100.0	2,080.0	2,105.0	2,104.9	5.8	0.9	-155.85	-571.2	653.6	1,035.9	1,030.0	5.84	177.321	
2,165.3	2,143.2	2,170.3	2,170.2	6.1	1.0	-156.18	-571.1	652.1	1,049.9	1,043.9	6.06	173.322	
2,200.0	2,176.7	2,204.7	2,204.6	6.3	1.0	-156.35	-571.1	651.2	1,057.3	1,051.2	6.17	171.338	
2,263.8	2,238.4	2,264.7	2,264.6	6.6	1.0	-156.63	-571.3	649.7	1,071.1	1,064.7	6.38	167.873	
2,300.0	2,273.4	2,300.0	2,299.8	6.8	1.0	-156.78	-571.6	648.7	1,078.9	1,072.4	6.50	165.979	
2,362.2	2,333.6	2,361.5	2,361.3	7.1	1.0	-157.03	-572.2	646.9	1,092.4	1,085.7	6.71	162.878	
2,400.0	2,370.2	2,399.8	2,399.5	7.3	1.0	-157.17	-572.7	645.6	1,100.6	1,093.7	6.83	161.070	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-2 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,460.6	2,428.8	2,464.6	2,464.3	7.6	1.1	-157.40	-573.4	643.3	1,113.4	1,106.4	7.03	158.333		
2,500.0	2,466.9	2,506.1	2,505.8	7.8	1.1	-157.56	-573.5	641.8	1,121.7	1,114.5	7.16	156.641		
2,559.0	2,524.0	2,563.6	2,563.3	8.1	1.1	-157.81	-573.3	639.9	1,133.9	1,126.6	7.36	154.158		
2,600.0	2,563.6	2,603.3	2,603.0	8.3	1.1	-157.99	-572.9	638.8	1,142.4	1,135.0	7.49	152.540		
2,657.5	2,619.2	2,658.3	2,657.9	8.6	1.1	-158.24	-572.2	637.4	1,154.5	1,146.8	7.68	150.293		
2,700.0	2,660.3	2,698.9	2,698.5	8.8	1.1	-158.43	-571.7	636.4	1,163.4	1,155.6	7.82	148.729		
2,755.9	2,714.4	2,753.8	2,753.4	9.1	1.1	-158.68	-570.9	635.1	1,175.2	1,167.2	8.01	146.739		
2,800.0	2,757.0	2,797.1	2,796.7	9.4	1.2	-158.87	-570.4	634.0	1,184.4	1,176.3	8.16	145.238		
2,854.3	2,809.6	2,850.7	2,850.3	9.6	1.2	-159.09	-569.8	632.5	1,195.9	1,187.5	8.34	143.457		
2,900.0	2,853.8	2,895.9	2,895.4	9.9	1.2	-159.28	-569.3	631.3	1,205.5	1,197.0	8.49	142.027		
2,952.7	2,904.8	2,945.2	2,944.7	10.2	1.2	-159.49	-568.7	630.1	1,216.6	1,207.9	8.66	140.425		
3,000.0	2,950.5	2,989.2	2,988.7	10.4	1.2	-159.67	-568.2	629.0	1,226.7	1,217.8	8.82	139.064		
3,051.2	3,000.0	3,036.9	3,036.4	10.7	1.2	-159.87	-567.5	628.0	1,237.6	1,228.7	8.99	137.651		
3,100.0	3,047.2	3,082.4	3,081.9	10.9	1.2	-160.07	-566.6	627.3	1,248.2	1,239.1	9.15	136.382		
3,149.6	3,095.2	3,130.1	3,129.6	11.2	1.2	-160.30	-565.6	626.7	1,259.1	1,249.7	9.32	135.152		
3,200.0	3,143.9	3,179.6	3,179.0	11.5	1.3	-160.52	-564.5	626.1	1,270.1	1,260.6	9.48	133.949		
3,248.0	3,190.4	3,224.0	3,223.4	11.7	1.3	-160.71	-563.7	625.4	1,280.6	1,270.9	9.64	132.832		
3,300.0	3,240.6	3,269.8	3,269.2	12.0	1.3	-160.89	-563.0	624.8	1,292.1	1,282.3	9.81	131.681		
3,346.4	3,285.6	3,312.2	3,311.6	12.3	1.3	-161.06	-562.5	624.4	1,302.6	1,292.6	9.97	130.698		
3,400.0	3,337.4	3,366.0	3,365.4	12.5	1.3	-161.27	-561.9	623.7	1,314.7	1,304.6	10.14	129.597		
3,444.9	3,380.8	3,412.5	3,411.9	12.8	1.3	-161.44	-561.5	623.1	1,324.8	1,314.5	10.29	128.704		
3,500.0	3,434.1	3,475.0	3,474.4	13.1	1.3	-161.65	-560.9	621.8	1,336.9	1,326.5	10.47	127.648		
3,543.3	3,476.0	3,524.0	3,523.3	13.3	1.3	-161.81	-560.5	620.5	1,346.2	1,335.6	10.61	126.823		
3,600.0	3,530.8	3,587.9	3,587.2	13.6	1.4	-161.99	-560.1	618.2	1,358.1	1,347.3	10.80	125.750		
3,641.7	3,571.2	3,628.8	3,628.1	13.8	1.4	-162.10	-559.9	616.5	1,366.7	1,355.7	10.94	124.952		
3,700.0	3,627.5	3,682.8	3,682.0	14.2	1.4	-162.25	-559.5	614.6	1,378.8	1,367.6	11.13	123.883		
3,740.1	3,666.4	3,718.0	3,717.3	14.4	1.4	-162.36	-559.1	613.4	1,387.2	1,375.9	11.26	123.165		
3,800.0	3,724.2	3,768.1	3,767.3	14.7	1.4	-162.52	-558.4	612.1	1,400.0	1,388.6	11.46	122.145		
3,838.6	3,761.6	3,800.3	3,799.5	14.9	1.4	-162.62	-558.0	611.5	1,408.5	1,396.9	11.59	121.531		
3,900.0	3,821.0	3,861.7	3,860.9	15.2	1.4	-162.82	-557.1	610.4	1,422.1	1,410.3	11.79	120.575		
3,937.0	3,856.8	3,898.8	3,898.0	15.4	1.5	-162.94	-556.7	609.6	1,430.2	1,418.3	11.92	120.010		
4,000.0	3,917.7	3,956.2	3,955.3	15.8	1.5	-163.11	-556.1	608.4	1,444.1	1,432.0	12.13	119.100		
4,035.4	3,951.9	3,988.4	3,987.5	16.0	1.5	-163.20	-555.8	607.8	1,452.1	1,439.8	12.24	118.609		
4,100.0	4,014.4	4,048.2	4,047.3	16.3	1.5	-163.38	-555.3	606.8	1,466.6	1,454.2	12.46	117.739		
4,133.8	4,047.1	4,079.6	4,078.8	16.5	1.5	-163.47	-555.1	606.3	1,474.3	1,461.7	12.57	117.299		
4,200.0	4,111.1	4,137.4	4,136.5	16.9	1.5	-163.63	-554.7	605.5	1,489.5	1,476.7	12.79	116.491		
4,232.3	4,142.3	4,164.6	4,163.7	17.0	1.5	-163.70	-554.7	605.1	1,497.0	1,484.1	12.89	116.119		
4,300.0	4,207.8	4,223.9	4,223.0	17.4	1.5	-163.85	-554.8	604.6	1,513.1	1,500.0	13.12	115.370		
4,330.7	4,237.5	4,252.4	4,251.5	17.6	1.6	-163.92	-554.9	604.3	1,520.4	1,507.2	13.22	115.041		
4,400.0	4,304.6	4,321.0	4,320.1	17.9	1.6	-164.10	-554.9	604.0	1,537.1	1,523.7	13.44	114.330		
4,429.1	4,332.7	4,355.2	4,354.3	18.1	1.6	-164.19	-554.8	603.8	1,544.0	1,530.5	13.54	114.029		
4,500.0	4,401.3	4,426.9	4,426.0	18.5	1.6	-164.38	-554.4	603.0	1,560.5	1,546.7	13.77	113.309		
4,527.5	4,427.9	4,449.5	4,448.6	18.6	1.6	-164.43	-554.3	602.7	1,567.0	1,553.1	13.86	113.045		
4,600.0	4,498.0	4,510.5	4,509.6	19.0	1.6	-164.58	-554.3	602.3	1,584.4	1,570.3	14.10	112.389		
4,626.0	4,523.1	4,536.0	4,535.1	19.2	1.6	-164.64	-554.3	602.2	1,590.7	1,576.5	14.18	112.153		
4,700.0	4,594.7	4,608.6	4,607.7	19.6	1.7	-164.82	-554.3	602.0	1,608.6	1,594.1	14.43	111.500		
4,724.4	4,618.3	4,631.6	4,630.7	19.7	1.7	-164.88	-554.2	601.9	1,614.5	1,600.0	14.51	111.298		
4,800.0	4,691.5	4,703.1	4,702.3	20.1	1.7	-165.06	-553.9	601.8	1,632.8	1,618.1	14.75	110.707		
4,822.8	4,713.5	4,725.9	4,725.0	20.2	1.7	-165.11	-553.8	601.8	1,638.4	1,623.5	14.82	110.539		
4,900.0	4,788.2	4,803.0	4,802.1	20.7	1.7	-165.31	-553.3	601.7	1,657.1	1,642.0	15.07	109.944		
4,921.2	4,808.7	4,823.8	4,822.9	20.8	1.7	-165.36	-553.2	601.6	1,662.2	1,647.1	15.14	109.786		
5,000.0	4,884.9	4,900.0	4,899.1	21.2	1.7	-165.53	-553.0	601.3	1,681.2	1,665.8	15.39	109.207		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-2 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,019.7	4,903.9	4,919.0	4,918.1	21.3	1.7	-165.57	-553.0	601.2	1,686.0	1,670.5	15.46	109.064	
5,100.0	4,981.6	4,992.2	4,991.3	21.8	1.7	-165.72	-553.2	600.9	1,705.5	1,689.8	15.72	108.504	
5,118.1	4,999.1	5,010.0	5,009.1	21.8	1.7	-165.76	-553.3	600.8	1,710.0	1,694.2	15.78	108.385	
5,200.0	5,078.3	5,095.6	5,094.7	22.3	1.8	-165.94	-553.1	600.5	1,729.9	1,713.8	16.04	107.873	
5,216.5	5,094.3	5,111.9	5,111.0	22.4	1.8	-165.98	-553.0	600.4	1,733.9	1,717.8	16.09	107.764	
5,300.0	5,175.1	5,192.8	5,191.9	22.8	1.8	-166.15	-552.5	600.2	1,754.0	1,737.6	16.36	107.205	
5,314.9	5,189.5	5,207.8	5,206.9	22.9	1.8	-166.19	-552.4	600.1	1,757.6	1,741.2	16.41	107.108	
5,400.0	5,271.8	5,296.4	5,295.5	23.4	1.8	-166.35	-552.6	599.2	1,778.0	1,761.3	16.69	106.556	
5,413.4	5,284.7	5,311.5	5,310.6	23.5	1.8	-166.37	-552.7	599.0	1,781.2	1,764.4	16.73	106.465	
5,500.0	5,368.5	5,410.8	5,409.9	23.9	1.8	-166.52	-553.2	597.1	1,801.3	1,784.3	17.02	105.859	
5,511.8	5,379.9	5,423.7	5,422.7	24.0	1.8	-166.54	-553.2	596.8	1,804.0	1,786.9	17.06	105.774	
5,600.0	5,465.2	5,515.5	5,514.6	24.5	1.9	-166.69	-553.0	594.6	1,823.9	1,806.5	17.35	105.143	
5,610.2	5,475.1	5,524.3	5,523.3	24.5	1.9	-166.71	-553.0	594.4	1,826.2	1,808.8	17.38	105.071	
5,647.2	5,510.9	5,555.9	5,554.9	24.7	1.9	-166.76	-552.9	593.7	1,834.5	1,817.0	17.50	104.818	
5,700.0	5,562.1	5,600.0	5,599.0	25.0	1.9	-166.88	-552.8	592.8	1,846.2	1,828.6	17.61	104.824	
5,708.6	5,570.5	5,608.6	5,607.7	25.0	1.9	-166.90	-552.8	592.6	1,848.0	1,830.4	17.63	104.838	
5,800.0	5,659.6	5,689.2	5,688.2	25.3	1.9	-167.10	-552.6	591.5	1,866.2	1,848.4	17.78	104.953	
5,807.1	5,666.6	5,700.0	5,699.0	25.4	1.9	-167.12	-552.5	591.3	1,867.5	1,849.7	17.79	104.957	
5,900.0	5,757.9	5,775.7	5,774.7	25.7	1.9	-167.29	-552.1	590.9	1,883.3	1,865.4	17.92	105.078	
5,905.5	5,763.3	5,780.5	5,779.5	25.7	1.9	-167.30	-552.0	590.8	1,884.2	1,866.3	17.93	105.086	
6,000.0	5,856.7	5,866.3	5,865.3	26.0	1.9	-167.47	-551.5	590.9	1,897.7	1,879.7	18.04	105.184	
6,003.9	5,860.6	5,869.9	5,868.9	26.0	1.9	-167.47	-551.4	590.9	1,898.3	1,880.2	18.05	105.188	
6,100.0	5,956.1	5,962.8	5,961.8	26.2	2.0	-167.60	-551.0	591.1	1,909.1	1,890.9	18.14	105.236	
6,102.3	5,958.4	5,965.1	5,964.1	26.2	2.0	-167.61	-551.0	591.1	1,909.3	1,891.2	18.14	105.237	
6,200.0	6,055.7	6,058.5	6,057.5	26.4	2.0	-167.72	-550.2	591.5	1,917.1	1,898.9	18.22	105.204	
6,200.8	6,056.5	6,059.3	6,058.3	26.4	2.0	-167.72	-550.2	591.5	1,917.2	1,898.9	18.22	105.203	
6,299.2	6,154.8	6,151.8	6,150.8	26.5	2.0	-167.80	-549.2	592.4	1,922.0	1,903.7	18.29	105.082	
6,300.0	6,155.6	6,152.6	6,151.6	26.5	2.0	-167.80	-549.2	592.5	1,922.1	1,903.8	18.29	105.080	
6,382.9	6,238.5	6,231.3	6,230.2	26.6	2.0	114.83	-548.5	593.4	1,923.8	1,905.5	18.32	104.990	
6,397.6	6,253.2	6,245.4	6,244.4	26.6	2.0	114.82	-548.4	593.5	1,923.9	1,905.5	18.35	104.862	
6,400.0	6,255.6	6,247.7	6,246.7	26.6	2.0	114.82	-548.3	593.6	1,923.9	1,905.6	18.35	104.841	
6,412.9	6,268.5	6,260.1	6,259.0	26.6	2.0	114.81	-548.2	593.7	1,924.0	1,905.6	18.37	104.724	
6,450.0	6,305.6	6,295.7	6,294.6	26.7	2.0	-65.44	-547.9	594.2	1,923.9	1,905.5	18.40	104.573	
6,496.0	6,351.5	6,342.2	6,341.2	26.7	2.0	-65.65	-547.5	594.9	1,922.7	1,904.4	18.39	104.574	
6,500.0	6,355.4	6,346.2	6,345.2	26.7	2.0	-65.68	-547.5	594.9	1,922.6	1,904.2	18.38	104.576	
6,550.0	6,404.8	6,396.6	6,395.6	26.7	2.0	-66.12	-547.0	595.6	1,919.8	1,901.4	18.36	104.577	
6,594.5	6,448.1	6,432.2	6,431.1	26.8	1.9	-66.61	-546.8	596.1	1,916.2	1,897.9	18.33	104.541	
6,600.0	6,453.5	6,436.4	6,435.4	26.8	1.9	-66.68	-546.7	596.2	1,915.7	1,897.4	18.33	104.538	
6,650.0	6,501.3	6,474.8	6,473.7	26.8	1.9	-67.38	-546.5	596.9	1,910.6	1,892.3	18.29	104.461	
6,692.9	6,541.4	6,508.8	6,507.7	26.8	1.9	-68.12	-546.2	597.8	1,905.4	1,887.2	18.26	104.354	
6,700.0	6,548.0	6,515.4	6,514.4	26.8	1.9	-68.27	-546.2	597.9	1,904.5	1,886.2	18.25	104.342	
6,750.0	6,593.3	6,561.4	6,560.3	26.8	1.9	-69.38	-545.9	599.1	1,897.3	1,879.1	18.21	104.164	
6,791.3	6,629.6	6,598.2	6,597.1	26.8	1.9	-70.40	-545.8	600.0	1,890.7	1,872.5	18.19	103.914	
6,800.0	6,637.0	6,600.0	6,598.9	26.8	1.9	-70.55	-545.8	600.0	1,889.2	1,871.0	18.19	103.837	
6,850.0	6,679.0	6,640.0	6,638.9	26.8	1.9	-71.88	-545.6	601.1	1,880.3	1,862.1	18.19	103.383	
6,889.7	6,710.9	6,666.8	6,665.7	26.8	1.9	-72.94	-545.4	601.9	1,872.8	1,854.6	18.20	102.885	
6,900.0	6,718.9	6,673.6	6,672.4	26.8	1.9	-73.22	-545.4	602.1	1,870.9	1,852.7	18.21	102.760	
6,950.0	6,756.7	6,706.1	6,705.0	26.8	1.9	-74.64	-545.2	603.2	1,861.1	1,842.8	18.25	101.981	
6,988.2	6,783.9	6,733.0	6,731.9	26.8	1.9	-75.83	-545.1	604.1	1,853.4	1,835.1	18.30	101.259	
7,000.0	6,792.0	6,741.1	6,740.0	26.8	1.9	-76.21	-545.1	604.4	1,851.0	1,832.7	18.32	101.047	
7,050.0	6,824.8	6,773.9	6,772.8	26.8	1.9	-77.79	-545.2	605.5	1,840.8	1,822.3	18.42	99.944	
7,086.6	6,847.2	6,796.5	6,795.3	26.8	1.9	-78.95	-545.3	606.2	1,833.3	1,814.8	18.52	98.983	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-2 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,100.0	6,854.9	6,800.0	6,798.8	26.8	1.9	-79.26	-545.3	606.3	1,830.6	1,812.0	18.55	98.682	
7,150.0	6,882.2	6,825.4	6,824.1	26.8	1.9	-80.72	-545.5	607.1	1,820.6	1,801.9	18.71	97.287	
7,185.0	6,899.5	6,839.2	6,838.0	26.8	1.9	-81.64	-545.5	607.6	1,814.0	1,795.1	18.85	96.220	
7,200.0	6,906.5	6,844.8	6,843.6	26.9	1.9	-82.02	-545.6	607.8	1,811.2	1,792.3	18.91	95.759	
7,250.0	6,927.6	6,861.7	6,860.5	26.9	1.9	-83.23	-545.6	608.5	1,802.4	1,783.2	19.15	94.108	
7,283.4	6,940.0	6,871.5	6,870.3	27.0	1.9	-83.96	-545.7	608.9	1,796.9	1,777.6	19.34	92.921	
7,300.0	6,945.5	6,876.0	6,874.7	27.0	1.9	-84.30	-545.7	609.1	1,794.3	1,774.9	19.43	92.348	
7,350.0	6,960.2	6,887.6	6,886.4	27.1	1.9	-85.24	-545.7	609.6	1,787.2	1,767.4	19.75	90.495	
7,381.9	6,967.8	6,900.0	6,898.7	27.2	1.9	-85.95	-545.7	610.2	1,783.2	1,763.2	19.98	89.228	
7,400.0	6,971.5	6,900.0	6,898.7	27.2	1.9	-86.12	-545.7	610.2	1,781.1	1,761.0	20.11	88.557	
7,450.0	6,979.3	6,903.5	6,902.2	27.4	1.9	-86.64	-545.8	610.4	1,776.0	1,755.5	20.51	86.609	
7,480.3	6,982.4	6,906.6	6,905.4	27.5	1.9	-86.94	-545.8	610.5	1,773.5	1,752.8	20.77	85.397	
7,500.0	6,983.7	6,908.0	6,906.7	27.5	1.9	-87.09	-545.8	610.6	1,772.2	1,751.2	20.94	84.641	
7,541.4	6,984.7	6,909.1	6,907.8	27.7	1.9	-87.31	-545.8	610.6	1,769.9	1,748.6	21.31	83.038	
7,578.7	6,984.5	6,909.0	6,907.7	27.9	1.9	-87.31	-545.8	610.6	1,768.6	1,746.9	21.68	81.563	
7,600.0	6,984.4	6,909.0	6,907.7	28.0	1.9	-87.31	-545.8	610.6	1,768.2	1,746.3	21.89	80.760	
7,620.6	6,984.3	6,908.9	6,907.6	28.1	1.9	-87.30	-545.8	610.6	1,768.1	1,746.0	22.11	79.960	
7,677.1	6,984.0	6,908.8	6,907.5	28.5	1.9	-87.30	-545.8	610.6	1,769.0	1,746.3	22.71	77.899	
7,700.0	6,983.9	6,908.7	6,907.4	28.6	1.9	-87.30	-545.8	610.6	1,769.9	1,746.9	22.95	77.119	
7,775.6	6,983.5	6,908.5	6,907.2	29.2	1.9	-87.29	-545.8	610.6	1,774.9	1,751.1	23.82	74.527	
7,800.0	6,983.4	6,908.5	6,907.2	29.4	1.9	-87.29	-545.8	610.6	1,777.2	1,753.1	24.10	73.757	
7,874.0	6,983.1	6,908.3	6,907.0	30.0	1.9	-87.28	-545.8	610.6	1,786.2	1,761.1	25.03	71.373	
7,900.0	6,982.9	6,908.2	6,906.9	30.3	1.9	-87.28	-545.8	610.6	1,790.0	1,764.7	25.35	70.605	
7,972.4	6,982.6	6,908.0	6,906.7	31.0	1.9	-87.28	-545.8	610.6	1,802.8	1,776.4	26.33	68.458	
8,000.0	6,982.4	6,908.0	6,906.7	31.3	1.9	-87.27	-545.8	610.6	1,808.4	1,781.7	26.71	67.710	
8,070.8	6,982.1	6,907.8	6,906.5	32.1	1.9	-87.27	-545.8	610.6	1,824.5	1,796.8	27.72	65.810	
8,100.0	6,982.0	6,907.7	6,906.4	32.4	1.9	-87.26	-545.8	610.6	1,831.9	1,803.8	28.14	65.095	
8,169.3	6,981.6	6,907.5	6,906.2	33.2	1.9	-87.26	-545.8	610.5	1,851.3	1,822.1	29.18	63.434	
8,200.0	6,981.5	6,907.4	6,906.1	33.6	1.9	-87.26	-545.8	610.5	1,860.6	1,831.0	29.65	62.760	
8,267.7	6,981.1	6,907.2	6,905.9	34.5	1.9	-87.25	-545.8	610.5	1,882.8	1,852.1	30.70	61.322	
8,300.0	6,981.0	6,907.1	6,905.9	34.9	1.9	-87.25	-545.8	610.5	1,894.1	1,862.9	31.21	60.694	
8,366.1	6,980.7	6,906.9	6,905.7	35.8	1.9	-87.24	-545.8	610.5	1,918.9	1,886.6	32.27	59.456	
8,400.0	6,980.5	6,906.8	6,905.6	36.3	1.9	-87.24	-545.8	610.5	1,932.3	1,899.5	32.82	58.876	
8,464.5	6,980.2	6,906.7	6,905.4	37.2	1.9	-87.23	-545.8	610.5	1,959.2	1,925.3	33.89	57.817	
8,500.0	6,980.0	6,906.6	6,905.3	37.7	1.9	-87.23	-545.8	610.5	1,974.7	1,940.3	34.47	57.285	
8,563.0	6,979.7	6,906.4	6,905.1	38.6	1.9	-87.22	-545.8	610.5	2,003.6	1,968.0	35.54	56.382	
8,600.0	6,979.5	6,906.2	6,905.0	39.1	1.9	-87.22	-545.8	610.5	2,021.2	1,985.1	36.16	55.897	
8,661.4	6,979.2	6,906.1	6,904.8	40.1	1.9	-87.21	-545.8	610.5	2,051.7	2,014.5	37.22	55.129	
8,700.0	6,979.0	6,905.9	6,904.7	40.7	1.9	-87.21	-545.8	610.5	2,071.6	2,033.7	37.88	54.688	
8,759.8	6,978.7	6,905.7	6,904.5	41.6	1.9	-87.20	-545.8	610.5	2,103.3	2,064.4	38.92	54.037	
8,800.0	6,978.5	6,905.6	6,904.3	42.2	1.9	-87.20	-545.8	610.5	2,125.4	2,085.7	39.63	53.636	
8,858.2	6,978.2	6,905.4	6,904.1	43.1	1.9	-87.19	-545.8	610.4	2,158.2	2,117.6	40.66	53.085	
8,900.0	6,978.0	6,905.3	6,904.0	43.8	1.9	-87.19	-545.8	610.4	2,182.5	2,141.1	41.39	52.723	
8,956.7	6,977.8	6,905.1	6,903.8	44.7	1.9	-87.18	-545.8	610.4	2,216.2	2,173.7	42.41	52.258	
9,000.0	6,977.5	6,904.9	6,903.7	45.4	1.9	-87.17	-545.8	610.4	2,242.5	2,199.4	43.18	51.931	
9,055.1	6,977.3	6,904.7	6,903.5	46.3	1.9	-87.17	-545.8	610.4	2,276.8	2,232.7	44.18	51.537	
9,100.0	6,977.1	6,904.6	6,903.3	47.1	1.9	-87.16	-545.8	610.4	2,305.4	2,260.4	44.99	51.243	
9,153.5	6,976.8	6,904.4	6,903.1	48.0	1.9	-87.16	-545.8	610.4	2,340.1	2,294.1	45.96	50.911	
9,200.0	6,976.6	6,904.2	6,902.9	48.8	1.9	-87.15	-545.8	610.4	2,370.8	2,324.0	46.81	50.646	
9,251.9	6,976.3	6,904.0	6,902.7	49.7	1.9	-87.14	-545.8	610.4	2,405.7	2,358.0	47.76	50.366	
9,300.0	6,976.1	6,903.8	6,902.6	50.5	1.9	-87.14	-545.8	610.4	2,438.6	2,389.9	48.65	50.128	
9,350.4	6,975.8	6,903.6	6,902.4	51.3	1.9	-87.13	-545.8	610.4	2,473.5	2,424.0	49.58	49.893	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-2 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,400.0	6,975.6	6,903.5	6,902.2	52.2	1.9	-87.13	-545.8	610.4	2,508.5	2,458.0	50.49	49.679	
9,448.8	6,975.3	6,903.3	6,902.0	53.1	1.9	-87.12	-545.8	610.3	2,543.3	2,491.9	51.40	49.481	
9,500.0	6,975.1	6,903.1	6,901.8	54.0	1.9	-87.11	-545.8	610.3	2,580.4	2,528.0	52.35	49.289	
9,547.2	6,974.9	6,902.9	6,901.6	54.8	1.9	-87.11	-545.8	610.3	2,615.0	2,561.7	53.23	49.123	
9,600.0	6,974.6	6,902.6	6,901.4	55.7	1.9	-87.10	-545.8	610.3	2,654.1	2,599.9	54.22	48.951	
9,645.6	6,974.4	6,902.4	6,901.2	56.5	1.9	-87.09	-545.8	610.3	2,688.3	2,633.2	55.08	48.811	
9,700.0	6,974.1	6,902.2	6,900.9	57.5	1.9	-87.09	-545.8	610.3	2,729.5	2,673.4	56.10	48.658	
9,744.1	6,973.9	6,902.0	6,900.7	58.3	1.9	-87.08	-545.8	610.3	2,763.2	2,706.3	56.93	48.541	
9,800.0	6,973.6	6,901.8	6,900.5	59.3	1.9	-87.07	-545.8	610.3	2,806.4	2,748.4	57.98	48.404	
9,842.5	6,973.4	6,901.6	6,900.3	60.0	1.9	-87.07	-545.8	610.3	2,839.6	2,780.8	58.78	48.306	
9,900.0	6,973.1	6,901.3	6,900.0	61.1	1.9	-87.06	-545.8	610.3	2,884.8	2,824.9	59.87	48.184	
9,940.9	6,972.9	6,901.1	6,899.8	61.8	1.9	-87.05	-545.8	610.2	2,917.2	2,856.6	60.65	48.102	
10,000.0	6,972.6	6,900.8	6,899.6	62.9	1.9	-87.04	-545.8	610.2	2,964.4	2,902.7	61.77	47.994	
10,039.3	6,972.4	6,900.7	6,899.4	63.6	1.9	-87.03	-545.8	610.2	2,996.1	2,933.6	62.52	47.926	
10,100.0	6,972.1	6,900.4	6,899.1	64.7	1.9	-87.02	-545.8	610.2	3,045.3	2,981.6	63.67	47.830	
10,137.8	6,972.0	6,900.2	6,898.9	65.4	1.9	-87.02	-545.7	610.2	3,076.1	3,011.7	64.39	47.773	
10,200.0	6,971.6	6,900.0	6,898.7	66.6	1.9	-87.01	-545.7	610.2	3,127.2	3,061.7	65.58	47.688	
10,236.2	6,971.5	6,900.0	6,898.7	67.2	1.9	-87.01	-545.7	610.2	3,157.2	3,090.9	66.27	47.641	
10,300.0	6,971.2	6,900.0	6,898.7	68.4	1.9	-87.01	-545.7	610.2	3,210.2	3,142.7	67.49	47.565	
10,334.6	6,971.0	6,900.0	6,898.7	69.0	1.9	-87.01	-545.7	610.2	3,239.2	3,171.0	68.16	47.526	
10,400.0	6,970.7	6,900.0	6,898.7	70.2	1.9	-87.01	-545.7	610.2	3,294.1	3,224.7	69.41	47.459	
10,433.0	6,970.5	6,900.0	6,898.7	70.9	1.9	-87.01	-545.7	610.2	3,322.1	3,252.0	70.05	47.428	
10,500.0	6,970.2	6,900.0	6,898.7	72.1	1.9	-87.01	-545.7	610.2	3,378.9	3,307.6	71.33	47.369	
10,531.5	6,970.0	6,900.0	6,898.7	72.7	1.9	-87.01	-545.7	610.2	3,405.8	3,333.9	71.94	47.343	
10,600.0	6,969.7	6,900.0	6,898.7	74.0	1.9	-87.01	-545.7	610.2	3,464.6	3,391.3	73.26	47.292	
10,629.9	6,969.5	6,900.0	6,898.7	74.5	1.9	-87.01	-545.7	610.2	3,490.3	3,416.5	73.83	47.272	
10,700.0	6,969.2	6,900.0	6,898.7	75.8	1.9	-87.01	-545.7	610.2	3,550.9	3,475.7	75.19	47.228	
10,728.3	6,969.0	6,900.0	6,898.7	76.4	1.9	-87.01	-545.7	610.2	3,575.5	3,499.8	75.73	47.211	
10,800.0	6,968.7	6,900.0	6,898.7	77.7	1.9	-87.01	-545.7	610.2	3,638.0	3,560.9	77.12	47.173	
10,826.7	6,968.6	6,900.0	6,898.7	78.2	1.9	-87.01	-545.7	610.2	3,661.4	3,583.7	77.64	47.160	
10,900.0	6,968.2	6,900.0	6,898.7	79.6	1.9	-87.01	-545.7	610.2	3,725.7	3,646.6	79.06	47.128	
10,925.2	6,968.1	6,900.0	6,898.7	80.1	1.9	-87.01	-545.7	610.2	3,747.9	3,668.3	79.54	47.117	
11,000.0	6,967.7	6,900.0	6,898.7	81.5	1.9	-87.01	-545.7	610.2	3,814.0	3,733.0	80.99	47.090	
11,023.6	6,967.6	6,900.0	6,898.7	81.9	1.9	-87.01	-545.7	610.2	3,834.9	3,753.5	81.45	47.083	
11,100.0	6,967.2	6,900.0	6,898.7	83.4	1.9	-87.01	-545.7	610.2	3,902.9	3,820.0	82.93	47.060	
11,122.0	6,967.1	6,900.0	6,898.7	83.8	1.9	-87.01	-545.7	610.2	3,922.5	3,839.2	83.36	47.054	
11,200.0	6,966.7	6,900.0	6,898.7	85.3	1.9	-87.01	-545.7	610.2	3,992.3	3,907.4	84.88	47.036	
11,220.4	6,966.6	6,900.0	6,898.7	85.7	1.9	-87.01	-545.7	610.2	4,010.6	3,925.4	85.27	47.032	
11,300.0	6,966.2	6,900.0	6,898.7	87.2	1.9	-87.01	-545.7	610.2	4,082.2	3,995.4	86.82	47.018	
11,318.9	6,966.1	6,900.0	6,898.7	87.5	1.9	-87.01	-545.7	610.2	4,099.2	4,012.0	87.19	47.015	
11,400.0	6,965.7	6,900.0	6,898.7	89.1	1.9	-87.01	-545.7	610.2	4,172.6	4,083.8	88.77	47.005	
11,417.3	6,965.6	6,900.0	6,898.7	89.4	1.9	-87.01	-545.7	610.2	4,188.2	4,099.1	89.11	47.003	
11,500.0	6,965.2	6,900.0	6,898.7	91.0	1.9	-87.01	-545.7	610.2	4,263.3	4,172.6	90.72	46.996	
11,515.7	6,965.2	6,900.0	6,898.7	91.3	1.9	-87.01	-545.7	610.2	4,277.7	4,186.6	91.02	46.995	
11,600.0	6,964.7	6,900.0	6,898.7	92.9	1.9	-87.01	-545.7	610.2	4,354.5	4,261.9	92.67	46.991	
11,614.1	6,964.7	6,900.0	6,898.7	93.2	1.9	-87.01	-545.7	610.2	4,367.5	4,274.5	92.94	46.990	
11,700.0	6,964.3	6,900.0	6,898.7	94.8	1.9	-87.01	-545.7	610.2	4,446.1	4,351.5	94.62	46.989	
11,712.6	6,964.2	6,900.0	6,898.7	95.1	1.9	-87.01	-545.7	610.2	4,457.6	4,362.8	94.87	46.989 SF	
11,800.0	6,963.8	6,900.0	6,898.7	96.7	1.9	-87.01	-545.7	610.2	4,538.0	4,441.5	96.57	46.990	
11,811.0	6,963.7	6,900.0	6,898.7	97.0	1.9	-87.01	-545.7	610.2	4,548.2	4,451.4	96.79	46.990	
11,900.0	6,963.3	6,900.0	6,898.7	98.7	1.9	-87.01	-545.7	610.2	4,630.3	4,531.8	98.53	46.994	
11,909.4	6,963.2	6,900.0	6,898.7	98.9	1.9	-87.01	-545.7	610.2	4,639.0	4,540.3	98.71	46.994	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,000.0	6,962.8	6,900.0	6,898.7	100.6	1.9	-87.01	-545.7	610.2	4,722.9	4,622.4	100.49	47.000	
12,007.8	6,962.7	6,900.0	6,898.7	100.7	1.9	-87.01	-545.7	610.2	4,730.2	4,629.5	100.64	47.001	
12,100.0	6,962.3	6,900.0	6,898.7	102.5	1.9	-87.01	-545.7	610.2	4,815.7	4,713.3	102.44	47.008	
12,106.3	6,962.2	6,900.0	6,898.7	102.6	1.9	-87.01	-545.7	610.2	4,821.6	4,719.0	102.57	47.009	
12,200.0	6,961.8	6,900.0	6,898.7	104.5	1.9	-87.01	-545.7	610.2	4,908.9	4,804.5	104.40	47.019	
12,204.7	6,961.8	6,900.0	6,898.7	104.5	1.9	-87.01	-545.7	610.2	4,913.3	4,808.8	104.50	47.019	
12,300.0	6,961.3	6,900.0	6,898.7	106.4	1.9	-87.01	-545.7	610.2	5,002.3	4,896.0	106.36	47.030	
12,303.1	6,961.3	6,900.0	6,898.7	106.4	1.9	-87.01	-545.7	610.2	5,005.2	4,898.8	106.43	47.031	
12,400.0	6,960.8	6,900.0	6,898.7	108.3	1.9	-87.01	-545.7	610.2	5,096.0	4,987.7	108.33	47.043	
12,401.5	6,960.8	6,900.0	6,898.7	108.3	1.9	-87.01	-545.7	610.2	5,097.4	4,989.1	108.36	47.044	
12,500.0	6,960.3	6,900.0	6,898.7	110.3	1.9	-87.01	-545.7	610.2	5,189.9	5,079.6	110.29	47.058	
12,598.4	6,959.8	6,900.0	6,898.7	112.2	1.9	-87.01	-545.7	610.2	5,282.5	5,170.3	112.22	47.073	
12,600.0	6,959.8	6,900.0	6,898.7	112.2	1.9	-87.01	-545.7	610.2	5,284.0	5,171.8	112.25	47.073	
12,696.8	6,959.3	6,900.0	6,898.7	114.1	1.9	-87.01	-545.7	610.2	5,375.4	5,261.2	114.15	47.089	
12,700.0	6,959.3	6,900.0	6,898.7	114.1	1.9	-87.01	-545.7	610.2	5,378.4	5,264.1	114.22	47.090	
12,795.2	6,958.8	6,900.0	6,898.7	116.0	1.9	-87.01	-545.7	610.2	5,468.4	5,352.3	116.09	47.106	
12,800.0	6,958.8	6,900.0	6,898.7	116.1	1.9	-87.01	-545.7	610.2	5,472.9	5,356.7	116.18	47.107	
12,893.7	6,958.3	6,900.0	6,898.7	117.9	1.9	-87.01	-545.7	610.2	5,561.6	5,443.6	118.02	47.124	
12,900.0	6,958.3	6,900.0	6,898.7	118.0	1.9	-87.01	-545.7	610.2	5,567.6	5,449.5	118.15	47.125	
12,992.1	6,957.9	6,900.0	6,898.7	119.8	1.9	-87.01	-545.7	610.2	5,655.0	5,535.1	119.96	47.142	
13,000.0	6,957.8	6,900.0	6,898.7	120.0	1.9	-87.01	-545.7	610.2	5,662.5	5,542.4	120.11	47.144	
13,090.5	6,957.4	6,900.0	6,898.7	121.7	1.9	-87.01	-545.7	610.2	5,748.6	5,626.7	121.89	47.161	
13,100.0	6,957.3	6,900.0	6,898.7	121.9	1.9	-87.01	-545.7	610.2	5,757.6	5,635.6	122.08	47.163	
13,188.9	6,956.9	6,900.0	6,898.7	123.6	1.9	-87.01	-545.7	610.2	5,842.4	5,718.5	123.83	47.180	
13,200.0	6,956.8	6,900.0	6,898.7	123.9	1.9	-87.01	-545.7	610.2	5,852.9	5,728.8	124.05	47.182	
13,287.4	6,956.4	6,900.0	6,898.7	125.6	1.9	-87.01	-545.7	610.2	5,936.2	5,810.5	125.77	47.200	
13,300.0	6,956.3	6,900.0	6,898.7	125.8	1.9	-87.01	-545.7	610.2	5,948.3	5,822.3	126.02	47.202	
13,385.8	6,955.9	6,900.0	6,898.7	127.5	1.9	-87.01	-545.7	610.2	6,030.3	5,902.6	127.71	47.219	
13,400.0	6,955.8	6,900.0	6,898.7	127.8	1.9	-87.01	-545.7	610.2	6,043.8	5,915.9	127.99	47.222	
13,484.2	6,955.4	6,900.0	6,898.7	129.4	1.9	-87.01	-545.7	610.2	6,124.4	5,994.8	129.65	47.240	
13,500.0	6,955.3	6,900.0	6,898.7	129.7	1.9	-87.01	-545.7	610.2	6,139.5	6,009.6	129.96	47.243	
13,582.6	6,954.9	6,900.0	6,898.7	131.3	1.9	-87.01	-545.7	610.2	6,218.7	6,087.1	131.59	47.260	
13,600.0	6,954.8	6,900.0	6,898.7	131.7	1.9	-87.01	-545.7	610.2	6,235.4	6,103.4	131.93	47.264	
13,681.1	6,954.4	6,900.0	6,898.7	133.2	1.9	-87.01	-545.7	610.2	6,313.2	6,179.6	133.53	47.280	
13,700.0	6,954.3	6,900.0	6,898.7	133.6	1.9	-87.01	-545.7	610.2	6,331.3	6,197.4	133.90	47.284	
13,779.5	6,953.9	6,900.0	6,898.7	135.2	1.9	-87.01	-545.7	610.2	6,407.7	6,272.2	135.47	47.301	
13,800.0	6,953.8	6,900.0	6,898.7	135.6	1.9	-87.01	-545.7	610.2	6,427.4	6,291.5	135.87	47.305	
13,877.9	6,953.5	6,900.0	6,898.7	137.1	1.9	-87.01	-545.7	610.2	6,502.4	6,365.0	137.41	47.322	
13,900.0	6,953.3	6,900.0	6,898.7	137.5	1.9	-87.01	-545.7	610.2	6,523.6	6,385.8	137.84	47.326	
13,976.3	6,953.0	6,900.0	6,898.7	139.0	1.9	-87.01	-545.7	610.2	6,597.1	6,457.8	139.35	47.343	
14,000.0	6,952.8	6,900.0	6,898.7	139.5	1.9	-87.01	-545.7	610.2	6,619.9	6,480.1	139.82	47.348	
14,074.8	6,952.5	6,900.0	6,898.7	140.9	1.9	-87.01	-545.7	610.2	6,692.0	6,550.7	141.29	47.363	
14,100.0	6,952.4	6,900.0	6,898.7	141.4	1.9	-87.01	-545.7	610.2	6,716.3	6,574.6	141.79	47.369	
14,170.4	6,952.0	6,900.0	6,898.7	142.8	1.9	-87.01	-545.7	610.2	6,784.3	6,641.2	143.12	47.404	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-3 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-161.72	-1,595.7	-527.0	1,680.5				
98.4	98.4	80.3	80.3	0.1	0.1	-161.72	-1,595.6	-527.2	1,680.5	1,680.3	0.15	N/A	
100.0	100.0	81.9	81.9	0.1	0.1	-161.72	-1,595.6	-527.2	1,680.5	1,680.3	0.15	N/A	
196.8	196.8	166.3	166.3	0.3	0.1	-161.70	-1,595.8	-527.7	1,680.8	1,680.3	0.45	3,741.194	
200.0	200.0	169.0	169.0	0.3	0.1	-161.70	-1,595.8	-527.7	1,680.8	1,680.3	0.46	3,660.282	
295.3	295.3	269.9	269.9	0.5	0.2	-161.70	-1,596.6	-528.0	1,681.6	1,680.9	0.78	2,164.452	
300.0	300.0	275.5	275.5	0.5	0.2	-161.70	-1,596.6	-528.0	1,681.7	1,680.9	0.79	2,120.024	
393.7	393.7	377.3	377.3	0.8	0.3	-161.69	-1,596.6	-528.4	1,681.8	1,680.7	1.06	1,589.910	
400.0	400.0	384.0	384.0	0.8	0.3	-161.69	-1,596.6	-528.4	1,681.8	1,680.7	1.07	1,565.220	
447.7	447.7	430.2	430.2	0.9	0.3	-161.67	-1,596.4	-528.8	1,681.7	1,680.5	1.21	1,393.165	
492.1	492.1	471.5	471.5	1.0	0.4	-161.66	-1,596.3	-529.2	1,681.8	1,680.4	1.33	1,261.144	
500.0	500.0	478.8	478.8	1.0	0.4	-161.66	-1,596.3	-529.2	1,681.8	1,680.4	1.36	1,240.321	
590.5	590.5	572.6	572.6	1.2	0.4	-161.64	-1,596.3	-529.8	1,682.0	1,680.3	1.61	1,041.761	
600.0	600.0	582.7	582.7	1.2	0.4	-161.64	-1,596.3	-529.9	1,682.0	1,680.3	1.64	1,024.611	
635.6	635.6	618.1	618.1	1.3	0.4	-161.63	-1,596.2	-530.2	1,681.9	1,680.2	1.74	966.011	
689.0	689.0	667.7	667.7	1.4	0.5	-161.61	-1,596.1	-530.6	1,682.0	1,680.1	1.89	891.040	
700.0	700.0	677.9	677.9	1.4	0.5	-161.61	-1,596.1	-530.6	1,682.0	1,680.1	1.92	876.991	
787.4	787.4	774.4	774.4	1.6	0.5	-161.58	-1,596.0	-531.4	1,682.1	1,680.0	2.16	779.128	
800.0	800.0	789.2	789.1	1.7	0.5	-161.58	-1,595.9	-531.5	1,682.1	1,679.9	2.19	766.748	
859.1	859.1	841.6	841.6	1.8	0.5	-161.56	-1,595.6	-532.0	1,681.9	1,679.6	2.35	716.298	
885.8	885.8	863.9	863.9	1.9	0.6	-161.55	-1,595.5	-532.2	1,682.0	1,679.5	2.42	695.855	
900.0	900.0	875.8	875.8	1.9	0.6	-161.55	-1,595.5	-532.3	1,682.0	1,679.6	2.45	685.493	
984.2	984.2	955.4	955.4	2.1	0.6	-161.52	-1,595.8	-533.2	1,682.5	1,679.9	2.68	627.886	
1,000.0	1,000.0	971.2	971.2	2.1	0.6	-161.52	-1,595.8	-533.4	1,682.7	1,679.9	2.72	617.995	
1,082.7	1,082.7	1,055.4	1,055.4	2.3	0.6	-84.21	-1,596.2	-534.1	1,683.1	1,680.2	2.90	580.635	
1,100.0	1,100.0	1,073.2	1,073.1	2.3	0.7	-84.22	-1,596.2	-534.2	1,683.1	1,680.2	2.94	571.886	
1,181.1	1,181.0	1,153.3	1,153.3	2.5	0.7	-84.35	-1,596.6	-534.5	1,683.2	1,680.0	3.14	535.321	
1,200.0	1,199.8	1,171.6	1,171.6	2.5	0.7	-84.39	-1,596.7	-534.6	1,683.1	1,680.0	3.19	527.525	
1,279.5	1,279.1	1,249.8	1,249.8	2.7	0.7	-84.61	-1,597.2	-534.7	1,683.1	1,679.7	3.40	495.256	
1,300.0	1,299.5	1,270.1	1,270.1	2.8	0.7	-84.68	-1,597.4	-534.7	1,683.0	1,679.6	3.45	487.511	
1,377.9	1,376.9	1,352.6	1,352.6	3.0	0.8	-85.02	-1,597.8	-535.0	1,682.7	1,679.0	3.67	458.366	
1,400.0	1,398.7	1,376.9	1,376.9	3.0	0.8	-85.13	-1,597.9	-535.1	1,682.5	1,678.7	3.73	450.744	
1,476.4	1,474.2	1,456.5	1,456.5	3.2	0.8	-85.55	-1,597.9	-535.3	1,681.6	1,677.6	3.97	424.011	
1,500.0	1,497.5	1,480.6	1,480.6	3.3	0.8	-85.69	-1,597.8	-535.4	1,681.3	1,677.2	4.04	416.375	
1,574.8	1,571.0	1,560.4	1,560.4	3.5	0.8	-86.21	-1,597.5	-535.8	1,680.1	1,675.8	4.29	391.288	
1,600.0	1,595.6	1,587.7	1,587.6	3.6	0.8	-86.40	-1,597.3	-536.1	1,679.7	1,675.3	4.38	383.459	
1,673.2	1,667.0	1,653.7	1,653.6	3.9	0.9	-86.89	-1,596.9	-536.6	1,678.3	1,673.7	4.66	359.944	
1,700.0	1,693.1	1,676.9	1,676.8	4.0	0.9	-87.08	-1,596.8	-536.8	1,678.0	1,673.2	4.77	352.054	
1,735.7	1,727.6	1,708.1	1,708.0	4.1	0.9	-87.35	-1,596.7	-537.1	1,677.5	1,672.6	4.92	341.104	
1,771.6	1,762.4	1,740.8	1,740.7	4.3	0.9	-87.62	-1,596.7	-537.5	1,677.2	1,672.1	5.08	330.196	
1,800.0	1,789.8	1,766.6	1,766.5	4.4	0.9	-87.83	-1,596.6	-537.8	1,677.0	1,671.8	5.21	322.062	
1,870.1	1,857.6	1,833.2	1,833.1	4.7	0.9	-88.37	-1,596.6	-539.0	1,676.7	1,671.1	5.54	302.804	
1,900.0	1,886.6	1,863.0	1,863.0	4.8	0.9	-88.61	-1,596.6	-539.6	1,676.6	1,670.9	5.68	295.238	
1,968.5	1,952.8	1,931.2	1,931.1	5.2	1.0	-89.14	-1,596.4	-541.3	1,676.4	1,670.4	6.02	278.700	
2,000.0	1,983.3	1,962.3	1,962.2	5.3	1.0	-89.39	-1,596.3	-542.0	1,676.4	1,670.2	6.17	271.707	
2,066.9	2,048.0	2,037.7	2,037.6	5.6	1.0	-90.00	-1,596.0	-543.4	1,676.4	1,669.8	6.51	257.588	
2,100.0	2,080.0	2,081.2	2,081.1	5.8	1.0	-90.35	-1,595.5	-544.1	1,676.1	1,669.4	6.67	251.105	
2,165.3	2,143.2	2,141.5	2,141.4	6.1	1.0	-90.84	-1,594.6	-544.9	1,675.5	1,668.5	7.01	239.104	
2,200.0	2,176.7	2,169.7	2,169.6	6.3	1.1	-91.07	-1,594.3	-545.3	1,675.4	1,668.2	7.18	233.238	
2,211.8	2,188.1	2,179.3	2,179.2	6.3	1.1	-91.15	-1,594.2	-545.4	1,675.4	1,668.1	7.24	231.276	
2,263.8	2,238.4	2,230.5	2,230.4	6.6	1.1	-91.57	-1,593.8	-546.2	1,675.5	1,668.0	7.51	222.988	
2,300.0	2,273.4	2,272.2	2,272.0	6.8	1.1	-91.91	-1,593.4	-546.8	1,675.5	1,667.8	7.70	217.510	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-3 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,362.2	2,333.6	2,334.9	2,334.7	7.1	1.1	-92.42	-1,592.5	-547.6	1,675.4	1,667.3	8.03	208.643	
2,368.6	2,339.7	2,340.7	2,340.6	7.1	1.1	-92.47	-1,592.4	-547.7	1,675.4	1,667.3	8.06	207.780	
2,400.0	2,370.2	2,369.6	2,369.4	7.3	1.1	-92.70	-1,592.1	-548.1	1,675.4	1,667.2	8.23	203.615	
2,460.6	2,428.8	2,428.1	2,427.9	7.6	1.1	-93.18	-1,591.4	-548.9	1,675.6	1,667.1	8.55	195.953	
2,500.0	2,466.9	2,468.5	2,468.3	7.8	1.1	-93.51	-1,590.8	-549.5	1,675.8	1,667.0	8.76	191.288	
2,559.0	2,524.0	2,527.4	2,527.1	8.1	1.2	-93.99	-1,590.0	-550.3	1,676.1	1,667.0	9.08	184.662	
2,600.0	2,563.6	2,567.0	2,566.8	8.3	1.2	-94.31	-1,589.4	-550.9	1,676.3	1,667.0	9.30	180.341	
2,657.5	2,619.2	2,621.5	2,621.3	8.6	1.2	-94.75	-1,588.6	-551.7	1,676.8	1,667.2	9.60	174.590	
2,700.0	2,660.3	2,660.5	2,660.3	8.8	1.2	-95.07	-1,588.1	-552.2	1,677.2	1,667.4	9.83	170.586	
2,755.9	2,714.4	2,714.3	2,714.1	9.1	1.2	-95.51	-1,587.5	-552.8	1,678.0	1,667.9	10.13	165.585	
2,800.0	2,757.0	2,763.4	2,763.1	9.4	1.2	-95.91	-1,586.8	-553.5	1,678.6	1,668.3	10.37	161.830	
2,854.3	2,809.6	2,818.1	2,817.8	9.6	1.3	-96.34	-1,585.8	-554.5	1,679.3	1,668.6	10.67	157.425	
2,900.0	2,853.8	2,856.6	2,856.3	9.9	1.3	-96.65	-1,585.2	-555.1	1,680.0	1,669.1	10.91	153.943	
2,952.7	2,904.8	2,901.3	2,901.0	10.2	1.3	-97.01	-1,584.7	-555.8	1,681.1	1,669.9	11.20	150.125	
3,000.0	2,950.5	2,952.7	2,952.5	10.4	1.3	-97.43	-1,584.1	-556.5	1,682.2	1,670.7	11.45	146.861	
3,051.2	3,000.0	3,007.0	3,006.7	10.7	1.3	-97.87	-1,583.4	-557.1	1,683.3	1,671.5	11.73	143.476	
3,100.0	3,047.2	3,051.0	3,050.7	10.9	1.3	-98.23	-1,582.7	-557.6	1,684.4	1,672.4	12.00	140.414	
3,149.6	3,095.2	3,095.7	3,095.4	11.2	1.3	-98.59	-1,582.2	-558.1	1,685.7	1,673.4	12.26	137.449	
3,200.0	3,143.9	3,141.9	3,141.6	11.5	1.4	-98.97	-1,581.7	-558.6	1,687.2	1,674.7	12.53	134.610	
3,248.0	3,190.4	3,185.9	3,185.5	11.7	1.4	-99.34	-1,581.3	-558.6	1,688.8	1,676.0	12.79	132.031	
3,300.0	3,240.6	3,228.6	3,228.3	12.0	1.4	-99.71	-1,581.1	-558.5	1,690.7	1,677.7	13.07	129.390	
3,346.4	3,285.6	3,265.0	3,264.7	12.3	1.4	-100.03	-1,581.1	-558.2	1,692.8	1,679.5	13.31	127.150	
3,400.0	3,337.4	3,309.6	3,309.3	12.5	1.4	-100.42	-1,581.3	-557.7	1,695.6	1,682.0	13.60	124.698	
3,444.9	3,380.8	3,358.8	3,358.5	12.8	1.4	-100.86	-1,581.6	-557.1	1,698.0	1,684.1	13.84	122.709	
3,500.0	3,434.1	3,420.8	3,420.5	13.1	1.4	-101.41	-1,581.6	-556.3	1,700.8	1,686.6	14.13	120.369	
3,543.3	3,476.0	3,472.2	3,471.8	13.3	1.4	-101.85	-1,581.4	-555.8	1,702.8	1,688.5	14.36	118.606	
3,600.0	3,530.8	3,539.1	3,538.7	13.6	1.4	-102.42	-1,580.6	-555.7	1,705.3	1,690.6	14.66	116.350	
3,641.7	3,571.2	3,588.2	3,587.8	13.8	1.4	-102.82	-1,579.7	-556.0	1,706.9	1,692.1	14.88	114.724	
3,700.0	3,627.5	3,647.8	3,647.4	14.2	1.4	-103.29	-1,578.5	-556.5	1,709.1	1,693.9	15.19	112.520	
3,740.1	3,666.4	3,687.4	3,687.1	14.4	1.4	-103.62	-1,577.6	-556.8	1,710.6	1,695.2	15.40	111.057	
3,800.0	3,724.2	3,742.4	3,742.0	14.7	1.4	-104.06	-1,576.4	-557.2	1,713.0	1,697.3	15.72	108.963	
3,838.6	3,761.6	3,777.2	3,776.8	14.9	1.4	-104.33	-1,575.7	-557.5	1,714.7	1,698.8	15.93	107.667	
3,900.0	3,821.0	3,834.6	3,834.1	15.2	1.4	-104.79	-1,574.7	-558.1	1,717.6	1,701.4	16.25	105.688	
3,937.0	3,856.8	3,870.0	3,869.6	15.4	1.5	-105.06	-1,574.1	-558.6	1,719.4	1,703.0	16.45	104.541	
4,000.0	3,917.7	3,928.6	3,928.2	15.8	1.5	-105.51	-1,573.1	-559.5	1,722.7	1,705.9	16.78	102.665	
4,035.4	3,951.9	3,960.7	3,960.2	16.0	1.5	-105.75	-1,572.7	-560.2	1,724.6	1,707.7	16.97	101.652	
4,100.0	4,014.4	4,016.8	4,016.4	16.3	1.5	-106.17	-1,572.0	-561.4	1,728.4	1,711.1	17.30	99.882	
4,133.8	4,047.1	4,043.8	4,043.3	16.5	1.5	-106.37	-1,571.8	-562.0	1,730.5	1,713.0	17.48	98.995	
4,200.0	4,111.1	4,100.0	4,099.5	16.9	1.5	-106.79	-1,571.6	-563.2	1,735.2	1,717.3	17.83	97.344	
4,232.3	4,142.3	4,121.5	4,121.0	17.0	1.5	-106.94	-1,571.7	-563.6	1,737.6	1,719.6	17.99	96.573	
4,300.0	4,207.8	4,174.0	4,173.5	17.4	1.6	-107.33	-1,572.1	-564.7	1,743.3	1,724.9	18.34	95.042	
4,330.7	4,237.5	4,200.0	4,199.5	17.6	1.6	-107.52	-1,572.4	-565.2	1,746.0	1,727.5	18.50	94.383	
4,400.0	4,304.6	4,267.5	4,267.0	17.9	1.6	-108.01	-1,573.4	-566.5	1,752.4	1,733.6	18.85	92.966	
4,429.1	4,332.7	4,297.1	4,296.6	18.1	1.6	-108.23	-1,573.8	-567.1	1,755.1	1,736.1	19.00	92.387	
4,500.0	4,401.3	4,353.0	4,352.5	18.5	1.6	-108.63	-1,574.7	-568.3	1,762.0	1,742.7	19.36	91.028	
4,527.5	4,427.9	4,374.4	4,373.9	18.6	1.6	-108.78	-1,575.2	-568.7	1,764.9	1,745.4	19.50	90.523	
4,600.0	4,498.0	4,433.9	4,433.3	19.0	1.6	-109.21	-1,576.7	-569.6	1,772.8	1,753.0	19.86	89.262	
4,626.0	4,523.1	4,456.1	4,455.5	19.2	1.6	-109.37	-1,577.4	-569.9	1,775.8	1,755.8	19.99	88.830	
4,700.0	4,594.7	4,522.8	4,522.1	19.6	1.6	-109.87	-1,579.5	-570.4	1,784.6	1,764.2	20.36	87.657	
4,724.4	4,618.3	4,547.4	4,546.7	19.7	1.6	-110.04	-1,580.3	-570.7	1,787.5	1,767.1	20.48	87.289	
4,800.0	4,691.5	4,621.6	4,620.9	20.1	1.6	-110.57	-1,582.7	-571.6	1,796.7	1,775.8	20.85	86.178	
4,822.8	4,713.5	4,642.6	4,641.9	20.2	1.6	-110.72	-1,583.3	-571.9	1,799.5	1,778.5	20.96	85.852	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-3 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.0	4,788.2	4,713.9	4,713.2	20.7	1.7	-111.23	-1,585.7	-572.7	1,809.2	1,787.8	21.34	84.790	
4,921.2	4,808.7	4,733.9	4,733.2	20.8	1.7	-111.37	-1,586.4	-572.9	1,811.9	1,790.4	21.44	84.508	
5,000.0	4,884.9	4,808.7	4,807.9	21.2	1.7	-111.89	-1,589.0	-573.7	1,822.1	1,800.3	21.82	83.500	
5,019.7	4,903.9	4,828.7	4,827.8	21.3	1.7	-112.03	-1,589.7	-573.8	1,824.6	1,802.7	21.92	83.258	
5,100.0	4,981.6	4,910.1	4,909.3	21.8	1.7	-112.61	-1,592.3	-574.2	1,835.2	1,812.9	22.30	82.304	
5,118.1	4,999.1	4,928.7	4,927.8	21.8	1.7	-112.74	-1,592.9	-574.3	1,837.5	1,815.2	22.38	82.096	
5,200.0	5,078.3	5,012.7	5,011.8	22.3	1.7	-113.33	-1,595.4	-574.9	1,848.2	1,825.5	22.77	81.176	
5,216.5	5,094.3	5,029.6	5,028.7	22.4	1.7	-113.44	-1,595.9	-575.0	1,850.4	1,827.6	22.85	80.996	
5,300.0	5,175.1	5,115.2	5,114.2	22.8	1.7	-114.05	-1,598.0	-574.9	1,861.3	1,838.1	23.23	80.115	
5,314.9	5,189.5	5,130.9	5,129.9	22.9	1.7	-114.16	-1,598.4	-574.8	1,863.2	1,839.9	23.30	79.962	
5,400.0	5,271.8	5,218.8	5,217.8	23.4	1.7	-114.79	-1,600.2	-574.4	1,874.2	1,850.5	23.69	79.109	
5,413.4	5,284.7	5,231.8	5,230.8	23.5	1.7	-114.88	-1,600.4	-574.4	1,876.0	1,852.2	23.75	78.977	
5,500.0	5,368.5	5,319.3	5,318.3	23.9	1.7	-115.51	-1,602.0	-573.8	1,887.3	1,863.1	24.15	78.155	
5,511.8	5,379.9	5,333.0	5,332.0	24.0	1.7	-115.61	-1,602.2	-573.7	1,888.8	1,864.6	24.20	78.049	
5,600.0	5,465.2	5,427.6	5,426.5	24.5	1.7	-116.29	-1,603.1	-572.5	1,900.0	1,875.4	24.59	77.260	
5,610.2	5,475.1	5,436.8	5,435.8	24.5	1.7	-116.36	-1,603.2	-572.3	1,901.3	1,876.6	24.64	77.167	
5,647.2	5,510.9	5,470.4	5,469.4	24.7	1.7	-116.60	-1,603.5	-571.9	1,906.0	1,881.2	24.81	76.838	
5,700.0	5,562.1	5,522.3	5,521.3	25.0	1.7	-117.08	-1,604.0	-571.1	1,912.7	1,887.7	24.98	76.583	
5,708.6	5,570.5	5,531.8	5,530.8	25.0	1.7	-117.16	-1,604.1	-571.0	1,913.8	1,888.8	24.99	76.566	
5,800.0	5,659.6	5,639.7	5,638.6	25.3	1.7	-118.00	-1,604.6	-569.8	1,923.9	1,898.7	25.20	76.356	
5,807.1	5,666.6	5,649.1	5,648.1	25.4	1.7	-118.06	-1,604.6	-569.7	1,924.6	1,899.3	25.21	76.346	
5,900.0	5,757.9	5,754.0	5,753.0	25.7	1.7	-118.74	-1,603.8	-568.8	1,932.3	1,906.9	25.39	76.108	
5,905.5	5,763.3	5,759.4	5,758.4	25.7	1.7	-118.77	-1,603.7	-568.7	1,932.7	1,907.3	25.40	76.095	
6,000.0	5,856.7	5,848.6	5,847.6	26.0	1.7	-119.25	-1,603.0	-568.2	1,939.1	1,913.5	25.57	75.834	
6,003.9	5,860.6	5,852.2	5,851.2	26.0	1.7	-119.27	-1,603.0	-568.2	1,939.3	1,913.7	25.58	75.826	
6,100.0	5,956.1	5,939.6	5,938.6	26.2	1.7	-119.64	-1,602.6	-567.5	1,944.6	1,918.9	25.72	75.595	
6,102.3	5,958.4	5,941.8	5,940.7	26.2	1.7	-119.65	-1,602.6	-567.5	1,944.7	1,919.0	25.73	75.591	
6,200.0	6,055.7	6,034.9	6,033.8	26.4	1.7	-119.95	-1,602.4	-566.2	1,948.8	1,923.0	25.85	75.387	
6,200.8	6,056.5	6,035.7	6,034.6	26.4	1.7	-119.95	-1,602.4	-566.2	1,948.8	1,923.0	25.85	75.386	
6,299.2	6,154.8	6,138.5	6,137.4	26.5	1.7	-120.16	-1,602.0	-564.8	1,951.3	1,925.3	25.96	75.175	
6,300.0	6,155.6	6,139.3	6,138.3	26.5	1.7	-120.16	-1,602.0	-564.8	1,951.3	1,925.3	25.96	75.172	
6,382.9	6,238.5	6,227.0	6,225.9	26.6	1.7	162.41	-1,601.3	-562.8	1,951.8	1,925.8	26.00	75.058	
6,397.6	6,253.2	6,242.6	6,241.5	26.6	1.7	162.40	-1,601.1	-562.3	1,951.7	1,925.7	26.02	75.009	
6,400.0	6,255.6	6,245.1	6,244.0	26.6	1.7	162.39	-1,601.1	-562.3	1,951.7	1,925.7	26.02	75.001	
6,412.9	6,268.5	6,258.8	6,257.7	26.6	1.7	162.38	-1,600.9	-561.9	1,951.7	1,925.6	26.04	74.954	
6,450.0	6,305.6	6,298.2	6,297.0	26.7	1.7	-17.90	-1,600.3	-560.6	1,950.6	1,924.6	26.06	74.862	
6,496.0	6,351.5	6,346.4	6,345.2	26.7	1.7	-18.09	-1,599.5	-558.9	1,946.7	1,920.7	26.03	74.793	
6,500.0	6,355.4	6,350.5	6,349.3	26.7	1.7	-18.12	-1,599.5	-558.7	1,946.2	1,920.2	26.02	74.786	
6,550.0	6,404.8	6,403.1	6,401.9	26.7	1.7	-18.46	-1,598.4	-556.6	1,938.5	1,912.5	25.96	74.667	
6,594.5	6,448.1	6,465.4	6,464.1	26.8	1.7	-18.94	-1,596.8	-554.2	1,928.6	1,902.8	25.86	74.570	
6,600.0	6,453.5	6,473.0	6,471.7	26.8	1.7	-19.00	-1,596.6	-553.9	1,927.2	1,901.4	25.85	74.562	
6,650.0	6,501.3	6,528.2	6,526.8	26.8	1.7	-19.65	-1,594.7	-552.1	1,912.3	1,886.7	25.66	74.514	
6,692.9	6,541.4	6,567.3	6,565.9	26.8	1.7	-20.29	-1,593.5	-551.1	1,897.1	1,871.6	25.44	74.564	
6,700.0	6,548.0	6,573.7	6,572.3	26.8	1.7	-20.41	-1,593.3	-551.0	1,894.3	1,868.9	25.40	74.584	
6,750.0	6,593.3	6,616.3	6,614.9	26.8	1.7	-21.32	-1,592.1	-550.2	1,873.4	1,848.3	25.04	74.807	
6,791.3	6,629.6	6,648.5	6,647.1	26.8	1.7	-22.19	-1,591.2	-549.8	1,854.0	1,829.3	24.68	75.119	
6,800.0	6,637.0	6,655.2	6,653.7	26.8	1.7	-22.39	-1,591.1	-549.8	1,849.7	1,825.1	24.60	75.205	
6,850.0	6,679.0	6,692.6	6,691.2	26.8	1.7	-23.68	-1,590.3	-549.5	1,823.3	1,799.2	24.06	75.786	
6,889.7	6,710.9	6,719.4	6,718.0	26.8	1.7	-24.85	-1,589.8	-549.4	1,800.5	1,776.9	23.58	76.372	
6,900.0	6,718.9	6,726.0	6,724.6	26.8	1.7	-25.18	-1,589.7	-549.4	1,794.4	1,770.9	23.44	76.551	
6,950.0	6,756.7	6,757.2	6,755.7	26.8	1.7	-26.97	-1,589.4	-549.3	1,763.2	1,740.4	22.75	77.489	
6,988.2	6,783.9	6,779.8	6,778.4	26.8	1.8	-28.55	-1,589.2	-549.3	1,737.9	1,715.7	22.20	78.284	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-3 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,000.0	6,792.0	6,786.6	6,785.1	26.8	1.8	-29.08	-1,589.1	-549.3	1,729.8	1,707.8	22.02	78.561	
7,050.0	6,824.8	6,814.7	6,813.3	26.8	1.8	-31.62	-1,589.0	-549.4	1,694.4	1,673.2	21.26	79.689	
7,086.6	6,847.2	6,834.3	6,832.9	26.8	1.8	-33.78	-1,589.0	-549.4	1,667.3	1,646.6	20.74	80.397	
7,100.0	6,854.9	6,841.2	6,839.8	26.8	1.8	-34.65	-1,588.9	-549.4	1,657.2	1,636.6	20.53	80.722	
7,150.0	6,882.2	6,865.3	6,863.8	26.8	1.8	-38.26	-1,588.9	-549.4	1,618.3	1,598.4	19.88	81.413	
7,185.0	6,899.5	6,880.7	6,879.2	26.8	1.8	-41.19	-1,589.0	-549.4	1,590.1	1,570.6	19.50	81.545	
7,200.0	6,906.5	6,886.9	6,885.4	26.9	1.8	-42.55	-1,589.0	-549.4	1,577.9	1,558.5	19.38	81.434	
7,250.0	6,927.6	6,900.0	6,898.5	26.9	1.8	-47.33	-1,589.0	-549.4	1,536.3	1,517.2	19.09	80.495	
7,283.4	6,940.0	6,915.8	6,914.3	27.0	1.8	-51.38	-1,589.1	-549.4	1,507.9	1,488.8	19.04	79.184	
7,300.0	6,945.5	6,920.5	6,919.1	27.0	1.8	-53.40	-1,589.1	-549.4	1,493.7	1,474.6	19.06	78.376	
7,350.0	6,960.2	6,933.1	6,931.6	27.1	1.8	-60.02	-1,589.2	-549.4	1,450.3	1,431.0	19.25	75.325	
7,381.9	6,967.8	6,939.6	6,938.2	27.2	1.8	-64.61	-1,589.2	-549.4	1,422.3	1,402.8	19.47	73.049	
7,400.0	6,971.5	6,942.9	6,941.4	27.2	1.8	-67.33	-1,589.3	-549.4	1,406.3	1,386.7	19.61	71.719	
7,450.0	6,979.3	6,949.9	6,948.5	27.4	1.8	-75.10	-1,589.3	-549.4	1,362.1	1,342.0	20.05	67.921	
7,480.3	6,982.4	6,952.8	6,951.4	27.5	1.8	-79.88	-1,589.4	-549.3	1,335.2	1,314.9	20.38	65.532	
7,500.0	6,983.7	6,954.1	6,952.7	27.5	1.8	-82.96	-1,589.4	-549.3	1,317.8	1,297.2	20.61	63.928	
7,541.4	6,984.7	6,955.4	6,953.9	27.7	1.8	-89.27	-1,589.4	-549.3	1,281.3	1,260.0	21.29	60.191	
7,578.7	6,984.5	6,955.6	6,954.1	27.9	1.8	-89.29	-1,589.4	-549.3	1,248.6	1,226.9	21.66	57.644	
7,600.0	6,984.4	6,955.7	6,954.2	28.0	1.8	-89.30	-1,589.4	-549.3	1,230.1	1,208.2	21.87	56.237	
7,677.1	6,984.0	6,956.1	6,954.6	28.5	1.8	-89.34	-1,589.4	-549.3	1,163.7	1,141.0	22.69	51.280	
7,700.0	6,983.9	6,956.2	6,954.7	28.6	1.8	-89.35	-1,589.4	-549.3	1,144.3	1,121.4	22.94	49.891	
7,775.6	6,983.5	6,956.6	6,955.1	29.2	1.8	-89.39	-1,589.4	-549.3	1,081.1	1,057.3	23.81	45.412	
7,800.0	6,983.4	6,956.7	6,955.3	29.4	1.8	-89.40	-1,589.4	-549.3	1,061.0	1,037.0	24.09	44.048	
7,874.0	6,983.1	6,957.1	6,955.7	30.0	1.8	-89.44	-1,589.4	-549.3	1,001.4	976.4	25.02	40.017	
7,900.0	6,982.9	6,957.3	6,955.8	30.3	1.8	-89.45	-1,589.4	-549.3	980.9	955.6	25.35	38.689	
7,972.4	6,982.6	6,957.7	6,956.2	31.0	1.8	-89.49	-1,589.4	-549.3	925.3	899.0	26.34	35.130	
8,000.0	6,982.4	6,957.9	6,956.4	31.3	1.8	-89.50	-1,589.4	-549.3	904.7	878.0	26.71	33.867	
8,070.8	6,982.1	6,958.3	6,956.8	32.1	1.8	-89.54	-1,589.4	-549.3	853.8	826.0	27.74	30.782	
8,100.0	6,982.0	6,958.5	6,957.0	32.4	1.8	-89.56	-1,589.4	-549.3	833.6	805.5	28.16	29.608	
8,169.3	6,981.6	6,958.9	6,957.4	33.2	1.8	-89.60	-1,589.4	-549.3	788.0	758.8	29.20	26.986	
8,200.0	6,981.5	6,959.1	6,957.6	33.6	1.8	-89.62	-1,589.4	-549.3	769.0	739.3	29.67	25.921	
8,267.7	6,981.1	6,959.5	6,958.0	34.5	1.8	-89.66	-1,589.4	-549.3	729.7	699.0	30.73	23.749	
8,300.0	6,981.0	6,959.7	6,958.2	34.9	1.8	-89.67	-1,589.4	-549.3	712.5	681.3	31.23	22.813	
8,366.1	6,980.7	6,960.1	6,958.6	35.8	1.8	-89.71	-1,589.4	-549.3	680.7	648.4	32.30	21.073	
8,400.0	6,980.5	6,960.3	6,958.8	36.3	1.8	-89.73	-1,589.4	-549.3	666.4	633.5	32.85	20.285	
8,464.5	6,980.2	6,960.7	6,959.3	37.2	1.8	-89.77	-1,589.4	-549.3	643.1	609.2	33.92	18.960	
8,500.0	6,980.0	6,961.0	6,959.5	37.7	1.8	-89.80	-1,589.5	-549.3	632.8	598.3	34.51	18.337	
8,563.0	6,979.7	6,961.4	6,959.9	38.6	1.8	-89.84	-1,589.5	-549.3	619.0	583.5	35.58	17.401	
8,600.0	6,979.5	6,961.6	6,960.2	39.1	1.8	-89.86	-1,589.5	-549.3	613.8	577.6	36.20	16.955	
8,661.4	6,979.2	6,962.1	6,960.6	40.1	1.8	-89.90	-1,589.5	-549.3	610.1	572.8	37.26	16.373	
8,668.1	6,979.2	6,962.1	6,960.6	40.2	1.8	-89.90	-1,589.5	-549.3	610.0	572.7	37.38	16.321 CC, ES	
8,700.0	6,979.0	6,962.3	6,960.9	40.7	1.8	-89.92	-1,589.5	-549.3	610.9	572.9	37.93	16.106	
8,759.8	6,978.7	6,962.7	6,961.3	41.6	1.8	-89.96	-1,589.5	-549.3	616.9	577.9	38.98	15.827	
8,800.0	6,978.5	6,963.0	6,961.6	42.2	1.8	-89.99	-1,589.5	-549.3	624.1	584.5	39.68	15.729	
8,858.2	6,978.2	6,963.5	6,962.0	43.1	1.8	-90.03	-1,589.5	-549.3	639.0	598.3	40.71	15.694 SF	
8,900.0	6,978.0	6,963.8	6,962.3	43.8	1.8	-90.06	-1,589.5	-549.3	652.6	611.2	41.46	15.743	
8,956.7	6,977.8	6,964.2	6,962.7	44.7	1.8	-90.10	-1,589.5	-549.3	674.8	632.4	42.47	15.888	
9,000.0	6,977.5	6,964.5	6,963.0	45.4	1.8	-90.13	-1,589.5	-549.3	694.5	651.2	43.25	16.057	
9,055.1	6,977.3	6,964.9	6,963.5	46.3	1.8	-90.17	-1,589.5	-549.3	722.4	678.2	44.25	16.326	
9,100.0	6,977.1	6,965.3	6,963.8	47.1	1.8	-90.20	-1,589.5	-549.3	747.4	702.4	45.06	16.586	
9,153.5	6,976.8	6,965.7	6,964.2	48.0	1.8	-90.24	-1,589.5	-549.3	779.6	733.5	46.04	16.932	
9,200.0	6,976.6	6,966.1	6,964.6	48.8	1.8	-90.28	-1,589.5	-549.3	809.3	762.4	46.89	17.259	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-3 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,251.9	6,976.3	6,966.5	6,965.0	49.7	1.8	-90.32	-1,589.5	-549.3	844.4	796.5	47.85	17.646	
9,300.0	6,976.1	6,966.9	6,965.4	50.5	1.8	-90.35	-1,589.5	-549.3	878.3	829.5	48.73	18.022	
9,350.4	6,975.8	6,967.3	6,965.9	51.3	1.8	-90.39	-1,589.5	-549.3	915.2	865.5	49.67	18.426	
9,400.0	6,975.6	6,967.8	6,966.3	52.2	1.8	-90.43	-1,589.5	-549.3	952.8	902.2	50.59	18.833	
9,448.8	6,975.3	6,968.2	6,966.7	53.1	1.8	-90.47	-1,589.5	-549.3	990.7	939.2	51.50	19.238	
9,500.0	6,975.1	6,968.6	6,967.2	54.0	1.8	-90.51	-1,589.5	-549.3	1,031.6	979.1	52.45	19.666	
9,547.2	6,974.9	6,969.1	6,967.6	54.8	1.8	-90.55	-1,589.6	-549.3	1,070.0	1,016.7	53.34	20.060	
9,600.0	6,974.6	6,969.5	6,968.1	55.7	1.8	-90.60	-1,589.6	-549.3	1,113.8	1,059.4	54.33	20.500	
9,645.6	6,974.4	6,970.0	6,968.5	56.5	1.8	-90.64	-1,589.6	-549.3	1,152.2	1,097.0	55.19	20.878	
9,700.0	6,974.1	6,970.5	6,969.0	57.5	1.8	-90.69	-1,589.6	-549.3	1,198.7	1,142.5	56.21	21.324	
9,744.1	6,973.9	6,970.9	6,969.4	58.3	1.8	-90.73	-1,589.6	-549.3	1,236.8	1,179.8	57.05	21.681	
9,800.0	6,973.6	6,971.4	6,970.0	59.3	1.8	-90.78	-1,589.6	-549.3	1,285.8	1,227.7	58.11	22.128	
9,842.5	6,973.4	6,971.8	6,970.4	60.0	1.8	-90.82	-1,589.6	-549.3	1,323.3	1,264.4	58.91	22.463	
9,900.0	6,973.1	6,972.4	6,971.0	61.1	1.8	-90.87	-1,589.6	-549.3	1,374.6	1,314.6	60.00	22.909	
9,940.9	6,972.9	6,972.8	6,971.4	61.8	1.8	-90.91	-1,589.6	-549.3	1,411.4	1,350.6	60.78	23.220	
10,000.0	6,972.6	6,973.5	6,972.0	62.9	1.8	-90.97	-1,589.6	-549.3	1,464.9	1,403.0	61.91	23.662	
10,039.3	6,972.4	6,973.9	6,972.4	63.6	1.8	-91.01	-1,589.6	-549.3	1,500.8	1,438.1	62.66	23.950	
10,100.0	6,972.1	6,974.5	6,973.0	64.7	1.8	-91.07	-1,589.6	-549.3	1,556.4	1,492.5	63.82	24.387	
10,137.8	6,972.0	6,974.9	6,973.5	65.4	1.8	-91.11	-1,589.6	-549.3	1,591.2	1,526.6	64.54	24.653	
10,200.0	6,971.6	6,975.6	6,974.2	66.6	1.8	-91.17	-1,589.6	-549.3	1,648.8	1,583.1	65.74	25.082	
10,236.2	6,971.5	6,976.0	6,974.6	67.2	1.8	-91.21	-1,589.6	-549.3	1,682.5	1,616.1	66.43	25.327	
10,300.0	6,971.2	6,976.8	6,975.3	68.4	1.8	-91.28	-1,589.7	-549.3	1,742.1	1,674.5	67.66	25.749	
10,334.6	6,971.0	6,977.2	6,975.7	69.0	1.8	-91.32	-1,589.7	-549.3	1,774.6	1,706.3	68.32	25.973	
10,400.0	6,970.7	6,978.0	6,976.5	70.2	1.8	-91.39	-1,589.7	-549.3	1,836.1	1,766.5	69.58	26.387	
10,433.0	6,970.5	6,978.4	6,976.9	70.9	1.8	-91.43	-1,589.7	-549.3	1,867.3	1,797.1	70.22	26.592	
10,500.0	6,970.2	6,979.2	6,977.7	72.1	1.8	-91.50	-1,589.7	-549.3	1,930.7	1,859.2	71.51	26.998	
10,531.5	6,970.0	6,979.6	6,978.1	72.7	1.8	-91.54	-1,589.7	-549.3	1,960.6	1,888.5	72.12	27.185	
10,600.0	6,969.7	6,980.5	6,979.0	74.0	1.8	-91.62	-1,589.7	-549.3	2,025.8	1,952.4	73.45	27.583	
10,629.9	6,969.5	6,980.9	6,979.4	74.5	1.8	-91.66	-1,589.7	-549.3	2,054.4	1,980.3	74.02	27.753	
10,700.0	6,969.2	6,981.8	6,980.3	75.8	1.8	-91.75	-1,589.7	-549.3	2,121.4	2,046.0	75.38	28.142	
10,728.3	6,969.0	6,982.2	6,980.7	76.4	1.8	-91.79	-1,589.7	-549.3	2,148.5	2,072.6	75.93	28.296	
10,800.0	6,968.7	6,983.2	6,981.7	77.7	1.8	-91.88	-1,589.7	-549.3	2,217.4	2,140.0	77.32	28.677	
10,826.7	6,968.6	6,983.6	6,982.1	78.2	1.8	-91.91	-1,589.8	-549.3	2,243.1	2,165.2	77.84	28.817	
10,900.0	6,968.2	6,984.6	6,983.1	79.6	1.8	-92.01	-1,589.8	-549.3	2,313.7	2,234.4	79.26	29.190	
10,925.2	6,968.1	6,985.0	6,983.5	80.1	1.8	-92.05	-1,589.8	-549.3	2,337.9	2,258.2	79.75	29.315	
11,000.0	6,967.7	6,986.1	6,984.6	81.5	1.8	-92.15	-1,589.8	-549.3	2,410.3	2,329.0	81.21	29.680	
11,023.6	6,967.6	6,986.5	6,985.0	81.9	1.8	-92.19	-1,589.8	-549.3	2,433.1	2,351.4	81.67	29.793	
11,100.0	6,967.2	6,987.7	6,986.2	83.4	1.8	-92.30	-1,589.8	-549.3	2,507.1	2,424.0	83.15	30.150	
11,122.0	6,967.1	6,988.0	6,986.6	83.8	1.8	-92.33	-1,589.8	-549.3	2,528.5	2,444.9	83.58	30.251	
11,200.0	6,966.7	6,989.3	6,987.8	85.3	1.8	-92.45	-1,589.8	-549.3	2,604.2	2,519.1	85.10	30.601	
11,220.4	6,966.6	6,989.7	6,988.2	85.7	1.8	-92.48	-1,589.8	-549.3	2,624.1	2,538.6	85.50	30.691	
11,300.0	6,966.2	6,991.0	6,989.6	87.2	1.8	-92.61	-1,589.9	-549.3	2,701.5	2,614.5	87.05	31.033	
11,318.9	6,966.1	6,991.4	6,989.9	87.5	1.8	-92.64	-1,589.9	-549.3	2,719.9	2,632.5	87.42	31.113	
11,400.0	6,965.7	6,992.8	6,991.3	89.1	1.8	-92.78	-1,589.9	-549.3	2,799.0	2,710.0	89.00	31.448	
11,417.3	6,965.6	6,993.1	6,991.7	89.4	1.8	-92.81	-1,589.9	-549.3	2,815.9	2,726.6	89.34	31.518	
11,500.0	6,965.2	6,994.7	6,993.2	91.0	1.8	-92.95	-1,589.9	-549.3	2,896.7	2,805.8	90.96	31.847	
11,515.7	6,965.2	6,995.0	6,993.5	91.3	1.8	-92.98	-1,589.9	-549.3	2,912.1	2,820.8	91.26	31.908	
11,600.0	6,964.7	6,996.6	6,995.2	92.9	1.8	-93.14	-1,590.0	-549.3	2,994.5	2,901.6	92.91	32.230	
11,614.1	6,964.7	6,996.9	6,995.4	93.2	1.8	-93.16	-1,590.0	-549.3	3,008.4	2,915.2	93.19	32.283	
11,700.0	6,964.3	6,998.7	6,997.2	94.8	1.8	-93.33	-1,590.0	-549.3	3,092.5	2,997.6	94.87	32.599	
11,712.6	6,964.2	6,998.9	6,997.5	95.1	1.8	-93.35	-1,590.0	-549.3	3,104.8	3,009.7	95.11	32.644	
11,800.0	6,963.8	7,000.8	6,999.4	96.7	1.8	-93.53	-1,590.0	-549.3	3,190.6	3,093.8	96.82	32.953	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-3 - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.0 usft
Survey Program: 100-GYD_CT												<b>Offset Well Error:</b>	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
11,811.0	6,963.7	7,001.1	6,999.6	97.0	1.8	-93.55	-1,590.0	-549.3	3,201.4	3,104.4	97.04	32.992	
11,900.0	6,963.3	7,003.1	7,001.6	98.7	1.8	-93.74	-1,590.1	-549.3	3,288.8	3,190.0	98.78	33.295	
11,909.4	6,963.2	7,003.3	7,001.9	98.9	1.8	-93.76	-1,590.1	-549.3	3,298.1	3,199.1	98.96	33.327	
12,000.0	6,962.8	7,005.5	7,004.0	100.6	1.8	-93.96	-1,590.1	-549.3	3,387.1	3,286.4	100.73	33.625	
12,007.8	6,962.7	7,005.7	7,004.2	100.7	1.8	-93.98	-1,590.1	-549.3	3,394.8	3,293.9	100.88	33.650	
12,100.0	6,962.3	7,008.0	7,006.5	102.5	1.8	-94.20	-1,590.2	-549.2	3,485.5	3,382.8	102.69	33.943	
12,106.3	6,962.2	7,008.2	7,006.7	102.6	1.8	-94.21	-1,590.2	-549.2	3,491.7	3,388.9	102.81	33.963	
12,200.0	6,961.8	7,010.7	7,009.2	104.5	1.8	-94.45	-1,590.2	-549.2	3,584.0	3,479.4	104.64	34.251	
12,204.7	6,961.8	7,010.8	7,009.3	104.5	1.8	-94.46	-1,590.2	-549.2	3,588.6	3,483.9	104.73	34.265	
12,300.0	6,961.3	7,013.5	7,012.0	106.4	1.8	-94.71	-1,590.3	-549.2	3,682.6	3,576.0	106.59	34.548	
12,303.1	6,961.3	7,013.6	7,012.1	106.4	1.8	-94.72	-1,590.3	-549.2	3,685.6	3,579.0	106.65	34.557	
12,400.0	6,960.8	7,016.5	7,015.0	108.3	1.8	-94.99	-1,590.3	-549.2	3,781.2	3,672.7	108.54	34.836	
12,401.5	6,960.8	7,016.5	7,015.0	108.3	1.8	-94.99	-1,590.3	-549.2	3,782.7	3,674.2	108.57	34.841	
12,500.0	6,960.3	7,019.6	7,018.2	110.3	1.8	-95.28	-1,590.4	-549.2	3,879.9	3,769.4	110.49	35.116	
12,598.4	6,959.8	12,598.4	6,981.2	112.2	2.8	-91.83	-1,589.8	-549.3	3,977.1	3,864.0	113.11	35.162	
12,600.0	6,959.8	12,600.0	6,981.2	112.2	2.8	-91.83	-1,589.8	-549.3	3,978.7	3,865.6	113.14	35.166	
12,696.8	6,959.3	12,696.8	6,981.7	114.1	2.8	-91.87	-1,589.8	-549.3	4,074.4	3,959.3	115.06	35.411	
12,700.0	6,959.3	12,700.0	6,981.7	114.1	2.8	-91.87	-1,589.8	-549.3	4,077.5	3,962.4	115.12	35.419	
12,795.2	6,958.8	12,795.2	6,982.2	116.0	2.8	-91.92	-1,589.9	-549.3	4,171.7	4,054.7	117.01	35.651	
12,800.0	6,958.8	12,800.0	6,982.3	116.1	2.8	-91.92	-1,589.9	-549.3	4,176.4	4,059.3	117.11	35.663	
12,893.7	6,958.3	12,893.7	6,982.8	117.9	2.8	-91.97	-1,589.9	-549.3	4,269.1	4,150.2	118.97	35.884	
12,900.0	6,958.3	12,900.0	6,982.8	118.0	2.8	-91.97	-1,589.9	-549.3	4,275.4	4,156.3	119.10	35.899	
12,992.1	6,957.9	12,992.1	6,983.3	119.8	2.9	-92.02	-1,589.9	-549.3	4,366.6	4,245.6	120.93	36.109	
13,000.0	6,957.8	13,000.0	6,983.3	120.0	2.9	-92.02	-1,589.9	-549.3	4,374.4	4,253.3	121.08	36.127	
13,090.5	6,957.4	13,090.5	6,983.8	121.7	2.9	-92.06	-1,589.9	-549.3	4,464.0	4,341.2	122.88	36.328	
13,100.0	6,957.3	13,100.0	6,983.8	121.9	2.9	-92.07	-1,589.9	-549.3	4,473.4	4,350.4	123.07	36.348	
13,188.9	6,956.9	13,188.9	6,984.3	123.6	2.9	-92.11	-1,589.9	-549.3	4,561.6	4,436.7	124.84	36.539	
13,200.0	6,956.8	13,200.0	6,984.3	123.9	2.9	-92.12	-1,589.9	-549.3	4,572.5	4,447.5	125.06	36.563	
13,287.4	6,956.4	13,287.4	6,984.8	125.6	3.0	-92.16	-1,589.9	-549.3	4,659.1	4,532.3	126.80	36.744	
13,300.0	6,956.3	13,300.0	6,984.9	125.8	3.0	-92.16	-1,589.9	-549.3	4,671.6	4,544.6	127.05	36.770	
13,385.8	6,955.9	13,385.8	6,985.3	127.5	3.0	-92.21	-1,589.9	-549.3	4,756.7	4,628.0	128.76	36.943	
13,400.0	6,955.8	13,400.0	6,985.4	127.8	3.0	-92.21	-1,589.9	-549.3	4,770.8	4,641.8	129.04	36.971	
13,484.2	6,955.4	13,484.2	6,985.8	129.4	3.0	-92.25	-1,589.9	-549.3	4,854.3	4,723.6	130.72	37.136	
13,500.0	6,955.3	13,500.0	6,985.9	129.7	3.0	-92.26	-1,589.9	-549.3	4,870.0	4,739.0	131.03	37.166	
13,582.6	6,954.9	13,582.6	6,986.3	131.3	3.0	-92.30	-1,589.9	-549.3	4,952.0	4,819.3	132.68	37.323	
13,600.0	6,954.8	13,600.0	6,986.4	131.7	3.0	-92.31	-1,589.9	-549.3	4,969.2	4,836.2	133.02	37.356	
13,681.1	6,954.4	13,681.1	6,986.8	133.2	3.1	-92.35	-1,589.9	-549.3	5,049.7	4,915.1	134.64	37.505	
13,700.0	6,954.3	13,700.0	6,986.9	133.6	3.1	-92.36	-1,589.9	-549.3	5,068.5	4,933.5	135.02	37.539	
13,779.5	6,953.9	13,779.5	6,987.3	135.2	3.1	-92.39	-1,589.9	-549.3	5,147.4	5,010.8	136.60	37.682	
13,800.0	6,953.8	13,800.0	6,987.5	135.6	3.1	-92.40	-1,589.9	-549.3	5,167.8	5,030.8	137.01	37.718	
13,877.9	6,953.5	13,877.9	6,987.9	137.1	3.1	-92.44	-1,589.9	-549.3	5,245.2	5,106.6	138.57	37.853	
13,900.0	6,953.3	13,900.0	6,988.0	137.5	3.1	-92.45	-1,589.9	-549.3	5,267.1	5,128.1	139.01	37.891	
13,976.3	6,953.0	13,976.3	6,988.4	139.0	3.1	-92.49	-1,589.9	-549.3	5,342.9	5,202.4	140.53	38.020	
14,000.0	6,952.8	14,000.0	6,988.5	139.5	3.2	-92.50	-1,589.9	-549.3	5,366.4	5,225.4	141.00	38.059	
14,074.8	6,952.5	14,074.8	6,988.9	140.9	3.2	-92.54	-1,589.9	-549.3	5,440.7	5,298.2	142.49	38.182	
14,100.0	6,952.4	14,100.0	6,989.0	141.4	3.2	-92.55	-1,589.9	-549.3	5,465.8	5,322.8	143.00	38.223	
14,170.4	6,952.0	14,170.4	6,989.4	142.8	3.2	-92.58	-1,589.9	-549.3	5,535.7	5,391.4	144.34	38.352	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-4 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	163.13	-1,683.1	510.3	1,758.7				
98.4	98.4	93.7	93.7	0.1	0.0	163.14	-1,683.2	510.1	1,758.8	1,758.7	0.14	N/A	
100.0	100.0	95.2	95.2	0.1	0.0	163.14	-1,683.2	510.0	1,758.8	1,758.7	0.14	N/A	
196.8	196.8	185.9	185.9	0.3	0.2	163.16	-1,683.6	509.7	1,759.1	1,758.6	0.50	3,544.672	
200.0	200.0	188.9	188.9	0.3	0.2	163.16	-1,683.6	509.7	1,759.1	1,758.6	0.51	3,463.309	
295.3	295.3	294.2	294.2	0.5	0.3	163.17	-1,684.0	509.5	1,759.4	1,758.6	0.79	2,216.372	
300.0	300.0	299.5	299.5	0.5	0.3	163.17	-1,684.0	509.4	1,759.4	1,758.6	0.81	2,178.741	
329.9	329.9	327.4	327.4	0.6	0.3	163.17	-1,684.0	509.4	1,759.3	1,758.5	0.89	1,986.938	
393.7	393.7	386.8	386.8	0.8	0.3	163.17	-1,684.1	509.3	1,759.4	1,758.4	1.05	1,673.223	
400.0	400.0	392.6	392.6	0.8	0.3	163.17	-1,684.1	509.3	1,759.4	1,758.4	1.07	1,647.540	
492.1	492.1	493.4	493.4	1.0	0.3	163.17	-1,684.2	509.3	1,759.5	1,758.2	1.28	1,377.149	
500.0	500.0	500.0	500.0	1.0	0.3	163.17	-1,684.2	509.3	1,759.5	1,758.2	1.30	1,358.330	
536.6	536.6	534.1	534.1	1.1	0.3	163.17	-1,684.1	509.3	1,759.4	1,758.1	1.38	1,277.224	
590.5	590.5	581.9	581.9	1.2	0.3	163.17	-1,684.2	509.3	1,759.5	1,758.0	1.50	1,173.895	
600.0	600.0	590.3	590.3	1.2	0.3	163.17	-1,684.2	509.3	1,759.6	1,758.1	1.52	1,157.514	
689.0	689.0	686.9	686.9	1.4	0.3	163.18	-1,684.6	509.1	1,759.8	1,758.0	1.76	998.604	
700.0	700.0	699.1	699.1	1.4	0.3	163.19	-1,684.6	509.0	1,759.8	1,758.0	1.79	981.476	
725.2	725.2	722.7	722.7	1.5	0.4	163.19	-1,684.6	508.9	1,759.8	1,757.9	1.86	945.279	
787.4	787.4	780.5	780.5	1.6	0.4	163.20	-1,684.7	508.8	1,759.9	1,757.8	2.03	866.542	
800.0	800.0	792.2	792.2	1.7	0.4	163.20	-1,684.7	508.8	1,759.9	1,757.8	2.07	852.169	
885.8	885.8	879.1	879.1	1.9	0.4	163.21	-1,685.1	508.6	1,760.1	1,757.8	2.31	762.358	
900.0	900.0	893.6	893.6	1.9	0.5	163.21	-1,685.1	508.5	1,760.2	1,757.8	2.35	749.254	
984.2	984.2	979.9	979.9	2.1	0.5	163.22	-1,685.3	508.3	1,760.3	1,757.7	2.59	680.253	
1,000.0	1,000.0	996.0	996.0	2.1	0.5	163.22	-1,685.4	508.3	1,760.3	1,757.7	2.63	668.741	
1,082.7	1,082.7	1,072.3	1,072.3	2.3	0.5	-119.47	-1,685.6	508.2	1,761.1	1,758.3	2.81	626.612	
1,100.0	1,100.0	1,088.2	1,088.2	2.3	0.6	-119.48	-1,685.7	508.2	1,761.5	1,758.6	2.85	617.180	
1,181.1	1,181.0	1,164.0	1,164.0	2.5	0.6	-119.54	-1,686.2	508.3	1,764.0	1,760.9	3.06	575.795	
1,200.0	1,199.8	1,181.7	1,181.7	2.5	0.6	-119.55	-1,686.3	508.3	1,764.8	1,761.7	3.11	566.918	
1,279.5	1,279.1	1,266.0	1,266.0	2.7	0.6	-119.68	-1,687.1	508.2	1,768.7	1,765.4	3.33	530.837	
1,300.0	1,299.5	1,288.5	1,288.5	2.8	0.6	-119.72	-1,687.2	508.2	1,769.9	1,766.5	3.39	522.355	
1,377.9	1,376.9	1,364.3	1,364.3	3.0	0.7	-119.87	-1,687.6	508.1	1,774.8	1,771.2	3.61	491.365	
1,400.0	1,398.7	1,385.2	1,385.2	3.0	0.7	-119.92	-1,687.8	508.0	1,776.5	1,772.8	3.67	483.402	
1,476.4	1,474.2	1,457.5	1,457.5	3.2	0.7	-120.11	-1,688.3	508.0	1,782.9	1,779.0	3.91	455.578	
1,500.0	1,497.5	1,479.8	1,479.8	3.3	0.7	-120.18	-1,688.5	508.0	1,785.1	1,781.1	3.99	447.738	
1,574.8	1,571.0	1,552.1	1,552.1	3.5	0.8	-120.41	-1,689.2	508.1	1,792.9	1,788.7	4.25	422.271	
1,600.0	1,595.6	1,576.6	1,576.6	3.6	0.8	-120.50	-1,689.4	508.1	1,795.8	1,791.5	4.33	414.465	
1,673.2	1,667.0	1,649.5	1,649.5	3.9	0.8	-120.78	-1,690.1	508.0	1,804.8	1,800.2	4.61	391.181	
1,700.0	1,693.1	1,676.4	1,676.4	4.0	0.8	-120.89	-1,690.4	508.0	1,808.4	1,803.7	4.72	383.501	
1,735.7	1,727.6	1,712.3	1,712.3	4.1	0.8	-121.04	-1,690.7	507.8	1,813.3	1,808.4	4.86	372.966	
1,771.6	1,762.4	1,748.7	1,748.7	4.3	0.8	-121.28	-1,691.1	507.5	1,818.4	1,813.4	5.01	362.906	
1,800.0	1,789.8	1,777.4	1,777.4	4.4	0.9	-121.47	-1,691.3	507.3	1,822.4	1,817.3	5.13	355.472	
1,870.1	1,857.6	1,855.3	1,855.3	4.7	0.9	-121.97	-1,691.8	506.5	1,832.2	1,826.8	5.42	338.003	
1,900.0	1,886.6	1,890.0	1,889.9	4.8	0.9	-122.20	-1,691.9	506.2	1,836.3	1,830.8	5.54	331.198	
1,968.5	1,952.8	1,961.2	1,961.1	5.2	0.9	-122.65	-1,691.9	505.4	1,845.5	1,839.7	5.83	316.320	
2,000.0	1,983.3	1,993.4	1,993.3	5.3	0.9	-122.86	-1,691.8	505.0	1,849.7	1,843.8	5.97	309.908	
2,066.9	2,048.0	2,069.9	2,069.8	5.6	0.9	-123.34	-1,691.4	504.0	1,858.6	1,852.3	6.26	297.000	
2,100.0	2,080.0	2,108.5	2,108.4	5.8	1.0	-123.58	-1,691.0	503.4	1,862.8	1,856.4	6.40	291.086	
2,165.3	2,143.2	2,187.1	2,187.0	6.1	1.0	-124.06	-1,689.9	501.8	1,870.9	1,864.2	6.68	279.941	
2,200.0	2,176.7	2,228.5	2,228.4	6.3	1.0	-124.32	-1,689.0	501.0	1,875.0	1,868.2	6.83	274.425	
2,263.8	2,238.4	2,303.6	2,303.4	6.6	1.0	-124.79	-1,686.9	499.7	1,882.3	1,875.2	7.11	264.736	
2,300.0	2,273.4	2,338.7	2,338.6	6.8	1.0	-125.01	-1,685.7	499.2	1,886.4	1,879.1	7.27	259.506	
2,362.2	2,333.6	2,399.1	2,398.9	7.1	1.0	-125.40	-1,683.7	498.4	1,893.4	1,885.9	7.54	250.968	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-4 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,400.0	2,370.2	2,437.5	2,437.3	7.3	1.0	-125.64	-1,682.5	497.8	1,897.7	1,890.0	7.71	246.066	
2,460.6	2,428.8	2,499.3	2,499.0	7.6	1.0	-126.01	-1,680.5	496.5	1,904.7	1,896.7	7.98	238.571	
2,500.0	2,466.9	2,536.9	2,536.6	7.8	1.0	-126.23	-1,679.4	495.6	1,909.2	1,901.0	8.16	233.974	
2,559.0	2,524.0	2,593.2	2,592.9	8.1	1.1	-126.57	-1,677.6	494.3	1,916.0	1,907.6	8.43	227.418	
2,600.0	2,563.6	2,629.6	2,629.3	8.3	1.1	-126.78	-1,676.5	493.5	1,920.8	1,912.2	8.61	223.114	
2,657.5	2,619.2	2,679.9	2,679.5	8.6	1.1	-127.08	-1,675.1	492.4	1,927.8	1,919.0	8.87	217.364	
2,700.0	2,660.3	2,720.3	2,719.8	8.8	1.1	-127.31	-1,674.1	491.5	1,933.1	1,924.1	9.06	213.354	
2,755.9	2,714.4	2,778.1	2,777.6	9.1	1.1	-127.64	-1,672.7	490.1	1,940.1	1,930.8	9.31	208.319	
2,800.0	2,757.0	2,819.5	2,819.1	9.4	1.1	-127.87	-1,671.6	489.1	1,945.6	1,936.0	9.51	204.550	
2,854.3	2,809.6	2,865.9	2,865.4	9.6	1.1	-128.13	-1,670.6	487.8	1,952.5	1,942.7	9.76	200.121	
2,900.0	2,853.8	2,905.7	2,905.1	9.9	1.1	-128.34	-1,670.0	486.6	1,958.5	1,948.5	9.96	196.594	
2,952.7	2,904.8	2,957.6	2,957.1	10.2	1.1	-128.61	-1,669.1	485.0	1,965.5	1,955.3	10.20	192.688	
3,000.0	2,950.5	3,004.1	3,003.5	10.4	1.2	-128.86	-1,668.3	483.8	1,971.9	1,961.5	10.41	189.366	
3,051.2	3,000.0	3,054.2	3,053.6	10.7	1.2	-129.13	-1,667.4	482.5	1,978.8	1,968.1	10.64	185.935	
3,100.0	3,047.2	3,102.0	3,101.4	10.9	1.2	-129.39	-1,666.5	481.2	1,985.4	1,974.5	10.86	182.816	
3,149.6	3,095.2	3,150.2	3,149.5	11.2	1.2	-129.64	-1,665.6	480.0	1,992.1	1,981.0	11.08	179.773	
3,200.0	3,143.9	3,199.1	3,198.4	11.5	1.2	-129.90	-1,664.6	478.7	1,999.0	1,987.7	11.31	176.821	
3,248.0	3,190.4	3,243.0	3,242.3	11.7	1.2	-130.13	-1,663.8	477.7	2,005.7	1,994.1	11.52	174.111	
3,300.0	3,240.6	3,290.4	3,289.6	12.0	1.2	-130.38	-1,663.0	476.6	2,013.0	2,001.2	11.75	171.317	
3,346.4	3,285.6	3,333.8	3,333.1	12.3	1.2	-130.61	-1,662.2	475.8	2,019.6	2,007.6	11.96	168.923	
3,400.0	3,337.4	3,384.3	3,383.5	12.5	1.3	-130.89	-1,661.2	475.1	2,027.3	2,015.1	12.19	166.293	
3,444.9	3,380.8	3,424.8	3,424.0	12.8	1.3	-131.11	-1,660.3	474.7	2,033.9	2,021.5	12.39	164.171	
3,500.0	3,434.1	3,473.3	3,472.5	13.1	1.3	-131.38	-1,659.3	474.4	2,042.1	2,029.5	12.63	161.680	
3,543.3	3,476.0	3,510.3	3,509.5	13.3	1.3	-131.59	-1,658.5	474.3	2,048.7	2,035.9	12.82	159.804	
3,600.0	3,530.8	3,555.6	3,554.8	13.6	1.3	-131.84	-1,657.7	474.3	2,057.6	2,044.5	13.07	157.456	
3,641.7	3,571.2	3,588.8	3,588.0	13.8	1.3	-132.03	-1,657.2	474.6	2,064.4	2,051.1	13.25	155.814	
3,700.0	3,627.5	3,647.4	3,646.6	14.2	1.3	-132.37	-1,656.2	475.1	2,073.9	2,060.4	13.50	153.646	
3,740.1	3,666.4	3,690.6	3,689.7	14.4	1.3	-132.61	-1,655.5	475.4	2,080.5	2,066.8	13.67	152.214	
3,800.0	3,724.2	3,745.0	3,744.2	14.7	1.3	-132.91	-1,654.6	475.5	2,090.3	2,076.4	13.92	150.133	
3,838.6	3,761.6	3,779.0	3,778.2	14.9	1.3	-133.09	-1,654.3	475.5	2,096.7	2,082.6	14.09	148.840	
3,900.0	3,821.0	3,839.0	3,838.1	15.2	1.3	-133.39	-1,653.8	475.2	2,107.0	2,092.7	14.35	146.848	
3,937.0	3,856.8	3,877.2	3,876.4	15.4	1.3	-133.59	-1,653.5	475.1	2,113.3	2,098.7	14.51	145.684	
4,000.0	3,917.7	3,939.5	3,938.7	15.8	1.4	-133.91	-1,652.8	474.9	2,123.8	2,109.0	14.77	143.770	
4,035.4	3,951.9	3,973.7	3,972.9	16.0	1.4	-134.08	-1,652.4	474.7	2,129.8	2,114.9	14.92	142.728	
4,100.0	4,014.4	4,034.8	4,033.9	16.3	1.4	-134.39	-1,651.8	474.5	2,140.7	2,125.5	15.19	140.892	
4,133.8	4,047.1	4,066.3	4,065.4	16.5	1.4	-134.54	-1,651.6	474.3	2,146.5	2,131.2	15.34	139.959	
4,200.0	4,111.1	4,130.2	4,129.4	16.9	1.4	-134.85	-1,651.2	473.7	2,157.9	2,142.3	15.61	138.202	
4,232.3	4,142.3	4,162.8	4,162.0	17.0	1.4	-135.00	-1,651.0	473.5	2,163.5	2,147.7	15.75	137.374	
4,300.0	4,207.8	4,228.4	4,227.5	17.4	1.4	-135.32	-1,650.4	473.2	2,175.1	2,159.1	16.03	135.690	
4,330.7	4,237.5	4,256.6	4,255.7	17.6	1.4	-135.45	-1,650.1	473.0	2,180.5	2,164.3	16.16	134.947	
4,400.0	4,304.6	4,323.3	4,322.5	17.9	1.5	-135.76	-1,649.8	472.5	2,192.6	2,176.2	16.44	133.333	
4,429.1	4,332.7	4,354.1	4,353.2	18.1	1.5	-135.91	-1,649.5	472.3	2,197.8	2,181.2	16.56	132.684	
4,500.0	4,401.3	4,434.4	4,433.5	18.5	1.5	-136.29	-1,648.6	472.0	2,210.1	2,193.2	16.85	131.162	
4,527.5	4,427.9	4,469.1	4,468.2	18.6	1.5	-136.45	-1,648.0	471.7	2,214.7	2,197.8	16.96	130.588	
4,600.0	4,498.0	4,552.8	4,551.9	19.0	1.5	-136.83	-1,646.5	470.5	2,226.6	2,209.4	17.25	129.077	
4,626.0	4,523.1	4,581.5	4,580.6	19.2	1.5	-136.95	-1,646.0	470.0	2,230.9	2,213.5	17.36	128.542	
4,700.0	4,594.7	4,648.1	4,647.2	19.6	1.5	-137.24	-1,644.8	468.5	2,242.9	2,225.2	17.66	127.011	
4,724.4	4,618.3	4,668.6	4,667.6	19.7	1.5	-137.33	-1,644.5	468.1	2,246.9	2,229.2	17.76	126.520	
4,800.0	4,691.5	4,739.5	4,738.6	20.1	1.6	-137.63	-1,643.5	466.9	2,259.7	2,241.6	18.07	125.061	
4,822.8	4,713.5	4,763.2	4,762.2	20.2	1.6	-137.73	-1,643.1	466.6	2,263.5	2,245.3	18.16	124.636	
4,900.0	4,788.2	4,836.0	4,835.0	20.7	1.6	-138.05	-1,641.8	465.5	2,276.5	2,258.0	18.47	123.232	
4,921.2	4,808.7	4,854.3	4,853.3	20.8	1.6	-138.13	-1,641.5	465.2	2,280.1	2,261.6	18.56	122.855	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.0	4,884.9	4,921.6	4,920.6	21.2	1.6	-138.40	-1,640.9	464.0	2,293.8	2,274.9	18.88	121.498	
5,019.7	4,903.9	4,938.0	4,937.0	21.3	1.6	-138.47	-1,640.8	463.7	2,297.3	2,278.3	18.96	121.168	
5,100.0	4,981.6	5,006.1	5,005.1	21.8	1.6	-138.73	-1,640.7	462.3	2,311.7	2,292.5	19.29	119.870	
5,118.1	4,999.1	5,024.5	5,023.5	21.8	1.6	-138.80	-1,640.7	461.9	2,315.0	2,295.7	19.36	119.593	
5,200.0	5,078.3	5,100.0	5,099.0	22.3	1.7	-139.09	-1,640.7	460.4	2,330.0	2,310.3	19.69	118.358	
5,216.5	5,094.3	5,118.4	5,117.3	22.4	1.7	-139.16	-1,640.7	460.1	2,333.0	2,313.2	19.75	118.123	
5,300.0	5,175.1	5,181.6	5,180.5	22.8	1.7	-139.39	-1,640.9	459.0	2,348.7	2,328.6	20.08	116.939	
5,314.9	5,189.5	5,200.0	5,198.9	22.9	1.7	-139.46	-1,641.0	458.8	2,351.6	2,331.4	20.14	116.747	
5,400.0	5,271.8	5,261.4	5,260.3	23.4	1.7	-139.69	-1,641.7	458.0	2,368.3	2,347.8	20.48	115.632	
5,413.4	5,284.7	5,272.3	5,271.2	23.5	1.7	-139.72	-1,641.9	457.8	2,371.0	2,350.4	20.53	115.465	
5,500.0	5,368.5	5,341.3	5,340.2	23.9	1.7	-139.97	-1,643.2	457.1	2,388.7	2,367.8	20.88	114.427	
5,511.8	5,379.9	5,350.5	5,349.5	24.0	1.7	-140.00	-1,643.4	457.0	2,391.1	2,370.2	20.92	114.291	
5,600.0	5,465.2	5,420.2	5,419.1	24.5	1.7	-140.24	-1,645.1	456.5	2,409.9	2,388.6	21.27	113.321	
5,610.2	5,475.1	5,428.3	5,427.2	24.5	1.7	-140.27	-1,645.3	456.4	2,412.1	2,390.8	21.31	113.214	
5,647.2	5,510.9	5,457.8	5,456.7	24.7	1.7	-140.38	-1,646.1	456.4	2,420.1	2,398.7	21.45	112.835	
5,700.0	5,562.1	5,500.0	5,498.9	25.0	1.7	-140.67	-1,647.2	456.6	2,431.5	2,409.9	21.57	112.748	
5,708.6	5,570.5	5,507.8	5,506.7	25.0	1.7	-140.72	-1,647.5	456.6	2,433.3	2,411.7	21.58	112.767	
5,800.0	5,659.6	5,591.4	5,590.2	25.3	1.7	-141.20	-1,649.7	457.3	2,451.2	2,429.5	21.71	112.907	
5,807.1	5,666.6	5,600.0	5,598.8	25.4	1.7	-141.24	-1,649.9	457.4	2,452.6	2,430.8	21.72	112.928	
5,900.0	5,757.9	5,708.5	5,707.3	25.7	1.7	-141.71	-1,652.3	458.5	2,468.2	2,446.3	21.82	113.112	
5,905.5	5,763.3	5,714.2	5,713.0	25.7	1.7	-141.74	-1,652.4	458.5	2,469.0	2,447.2	21.83	113.124	
6,000.0	5,856.7	5,811.7	5,810.5	26.0	1.7	-142.10	-1,654.2	459.2	2,481.9	2,460.0	21.92	113.230	
6,003.9	5,860.6	5,815.4	5,814.1	26.0	1.7	-142.11	-1,654.3	459.2	2,482.4	2,460.4	21.92	113.236	
6,100.0	5,956.1	5,905.6	5,904.3	26.2	1.8	-142.38	-1,655.6	460.3	2,492.9	2,470.9	22.00	113.291	
6,102.3	5,958.4	5,908.0	5,906.8	26.2	1.7	-142.39	-1,655.6	460.3	2,493.2	2,471.2	22.01	113.294	
6,200.0	6,055.7	6,000.0	5,998.7	26.4	1.7	-142.61	-1,656.6	461.9	2,501.3	2,479.2	22.08	113.299	
6,200.8	6,056.5	6,000.0	5,998.7	26.4	1.7	-142.61	-1,656.6	461.9	2,501.4	2,479.3	22.08	113.299	
6,299.2	6,154.8	6,089.3	6,088.1	26.5	1.7	-142.75	-1,657.7	463.6	2,507.2	2,485.0	22.14	113.233	
6,300.0	6,155.6	6,090.0	6,088.7	26.5	1.7	-142.75	-1,657.8	463.6	2,507.2	2,485.1	22.14	113.231	
6,382.9	6,238.5	6,169.4	6,168.1	26.6	1.7	139.86	-1,659.2	465.1	2,510.4	2,488.2	22.16	113.299	
6,397.6	6,253.2	6,183.9	6,182.6	26.6	1.7	139.86	-1,659.5	465.4	2,510.8	2,488.6	22.18	113.220	
6,400.0	6,255.6	6,186.2	6,184.9	26.6	1.7	139.86	-1,659.5	465.5	2,510.8	2,488.7	22.18	113.207	
6,412.9	6,268.5	6,198.9	6,197.5	26.6	1.7	139.86	-1,659.7	465.8	2,511.2	2,489.0	22.20	113.132	
6,450.0	6,305.6	6,249.5	6,248.2	26.7	1.7	-40.38	-1,660.3	467.1	2,511.4	2,489.2	22.21	113.049	
6,496.0	6,351.5	6,300.0	6,298.6	26.7	1.7	-40.56	-1,660.4	468.3	2,509.3	2,487.1	22.16	113.234	
6,500.0	6,355.4	6,310.6	6,309.2	26.7	1.7	-40.60	-1,660.4	468.6	2,509.0	2,486.8	22.15	113.265	
6,550.0	6,404.8	6,350.4	6,349.0	26.7	1.7	-40.97	-1,660.6	469.6	2,504.0	2,482.0	22.06	113.517	
6,594.5	6,448.1	6,385.4	6,384.0	26.8	1.7	-41.44	-1,660.9	470.5	2,497.6	2,475.6	21.94	113.824	
6,600.0	6,453.5	6,389.8	6,388.4	26.8	1.7	-41.51	-1,660.9	470.7	2,496.7	2,474.7	21.92	113.875	
6,650.0	6,501.3	6,438.1	6,436.7	26.8	1.7	-42.28	-1,661.4	471.9	2,486.8	2,465.1	21.73	114.425	
6,692.9	6,541.4	6,481.5	6,480.1	26.8	1.7	-43.13	-1,661.8	473.1	2,476.4	2,454.9	21.52	115.051	
6,700.0	6,548.0	6,488.6	6,487.2	26.8	1.7	-43.29	-1,661.8	473.3	2,474.5	2,453.0	21.48	115.178	
6,750.0	6,593.3	6,537.9	6,536.4	26.8	1.7	-44.51	-1,662.1	474.7	2,459.7	2,438.6	21.18	116.114	
6,791.3	6,629.6	6,577.4	6,575.9	26.8	1.7	-45.71	-1,662.3	475.8	2,445.8	2,424.9	20.90	116.996	
6,800.0	6,637.0	6,585.5	6,584.1	26.8	1.7	-45.98	-1,662.3	476.1	2,442.7	2,421.8	20.84	117.206	
6,850.0	6,679.0	6,624.7	6,623.2	26.8	1.7	-47.60	-1,662.4	477.2	2,423.4	2,402.9	20.48	118.357	
6,889.7	6,710.9	6,652.4	6,650.9	26.8	1.7	-49.03	-1,662.6	477.9	2,406.7	2,386.6	20.18	119.242	
6,900.0	6,718.9	6,659.3	6,657.8	26.8	1.7	-49.43	-1,662.6	478.1	2,402.3	2,382.2	20.10	119.488	
6,950.0	6,756.7	6,692.3	6,690.8	26.8	1.7	-51.47	-1,662.9	479.0	2,379.4	2,359.6	19.75	120.489	
6,988.2	6,783.9	6,716.5	6,715.0	26.8	1.7	-53.20	-1,663.2	479.7	2,360.8	2,341.3	19.50	121.039	
7,000.0	6,792.0	6,723.8	6,722.3	26.8	1.7	-53.76	-1,663.3	479.9	2,354.9	2,335.4	19.43	121.213	
7,050.0	6,824.8	6,753.4	6,751.8	26.8	1.7	-56.28	-1,663.7	480.7	2,328.9	2,309.8	19.17	121.489	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,086.6	6,847.2	6,773.5	6,771.9	26.8	1.7	-58.26	-1,664.0	481.3	2,309.1	2,290.1	19.05	121.208	
7,100.0	6,854.9	6,780.6	6,779.0	26.8	1.7	-59.01	-1,664.1	481.5	2,301.7	2,282.8	18.99	121.183	
7,150.0	6,882.2	6,807.1	6,805.5	26.8	1.7	-62.00	-1,664.5	482.4	2,273.5	2,254.6	18.91	120.223	
7,185.0	6,899.5	6,828.4	6,826.8	26.8	1.7	-64.30	-1,664.8	483.0	2,253.1	2,234.2	18.91	119.164	
7,200.0	6,906.5	6,836.9	6,835.3	26.9	1.7	-65.31	-1,664.9	483.3	2,244.3	2,225.3	18.92	118.589	
7,250.0	6,927.6	6,862.9	6,861.3	26.9	1.7	-68.76	-1,665.2	484.0	2,214.3	2,195.3	19.03	116.355	
7,283.4	6,940.0	6,878.1	6,876.5	27.0	1.7	-71.13	-1,665.4	484.4	2,194.0	2,174.8	19.15	114.568	
7,300.0	6,945.5	6,885.0	6,883.4	27.0	1.7	-72.30	-1,665.5	484.6	2,183.9	2,164.7	19.22	113.643	
7,350.0	6,960.2	6,902.9	6,901.3	27.1	1.7	-75.85	-1,665.7	485.0	2,153.1	2,133.7	19.47	110.562	
7,381.9	6,967.8	6,911.6	6,909.9	27.2	1.7	-78.07	-1,665.8	485.2	2,133.5	2,113.8	19.68	108.412	
7,400.0	6,971.5	6,915.8	6,914.2	27.2	1.7	-79.32	-1,665.9	485.3	2,122.3	2,102.5	19.80	107.173	
7,450.0	6,979.3	6,924.9	6,923.2	27.4	1.7	-82.69	-1,666.0	485.6	2,091.7	2,071.5	20.21	103.487	
7,480.3	6,982.4	6,928.5	6,926.9	27.5	1.7	-84.65	-1,666.0	485.7	2,073.3	2,052.8	20.51	101.083	
7,500.0	6,983.7	6,930.1	6,928.5	27.5	1.7	-85.89	-1,666.0	485.7	2,061.5	2,040.8	20.72	99.496	
7,541.4	6,984.7	6,931.6	6,930.0	27.7	1.7	-88.39	-1,666.0	485.7	2,036.9	2,015.7	21.22	95.982	
7,578.7	6,984.5	6,931.8	6,930.1	27.9	1.7	-88.39	-1,666.0	485.7	2,015.1	1,993.5	21.59	93.322	
7,600.0	6,984.4	6,931.9	6,930.2	28.0	1.7	-88.40	-1,666.0	485.7	2,002.9	1,981.1	21.80	91.857	
7,677.1	6,984.0	6,932.2	6,930.6	28.5	1.7	-88.41	-1,666.0	485.7	1,960.0	1,937.4	22.62	86.641	
7,700.0	6,983.9	6,932.3	6,930.7	28.6	1.7	-88.41	-1,666.0	485.8	1,947.7	1,924.8	22.86	85.186	
7,775.6	6,983.5	6,932.7	6,931.0	29.2	1.7	-88.42	-1,666.0	485.8	1,908.3	1,884.6	23.73	80.413	
7,800.0	6,983.4	6,932.8	6,931.1	29.4	1.7	-88.43	-1,666.1	485.8	1,896.1	1,872.1	24.01	78.964	
7,874.0	6,983.1	6,933.1	6,931.5	30.0	1.7	-88.44	-1,666.1	485.8	1,860.5	1,835.5	24.95	74.581	
7,900.0	6,982.9	6,933.2	6,931.6	30.3	1.7	-88.44	-1,666.1	485.8	1,848.5	1,823.2	25.27	73.140	
7,972.4	6,982.6	6,933.5	6,931.9	31.0	1.7	-88.45	-1,666.1	485.8	1,816.7	1,790.4	26.26	69.190	
8,000.0	6,982.4	6,933.6	6,932.0	31.3	1.7	-88.46	-1,666.1	485.8	1,805.2	1,778.6	26.63	67.786	
8,070.8	6,982.1	6,933.9	6,932.3	32.1	1.7	-88.47	-1,666.1	485.8	1,777.3	1,749.6	27.65	64.279	
8,100.0	6,982.0	6,934.1	6,932.4	32.4	1.7	-88.47	-1,666.1	485.8	1,766.5	1,738.4	28.07	62.935	
8,169.3	6,981.6	6,934.4	6,932.7	33.2	1.7	-88.48	-1,666.1	485.8	1,742.5	1,713.4	29.11	59.856	
8,200.0	6,981.5	6,934.5	6,932.8	33.6	1.7	-88.49	-1,666.1	485.8	1,732.7	1,703.1	29.57	58.587	
8,267.7	6,981.1	6,934.8	6,933.1	34.5	1.7	-88.50	-1,666.1	485.8	1,712.8	1,682.1	30.63	55.911	
8,300.0	6,981.0	6,934.9	6,933.3	34.9	1.7	-88.50	-1,666.1	485.8	1,704.1	1,673.0	31.14	54.726	
8,366.1	6,980.7	6,935.2	6,933.5	35.8	1.7	-88.51	-1,666.1	485.8	1,688.2	1,656.0	32.21	52.419	
8,400.0	6,980.5	6,935.3	6,933.7	36.3	1.7	-88.51	-1,666.1	485.8	1,681.0	1,648.3	32.75	51.325	
8,464.5	6,980.2	6,935.5	6,933.9	37.2	1.7	-88.52	-1,666.1	485.8	1,669.1	1,635.3	33.82	49.352	
8,500.0	6,980.0	6,935.7	6,934.0	37.7	1.7	-88.53	-1,666.1	485.8	1,663.6	1,629.2	34.41	48.350	
8,563.0	6,979.7	6,935.9	6,934.3	38.6	1.7	-88.54	-1,666.1	485.8	1,655.6	1,620.2	35.47	46.674	
8,600.0	6,979.5	6,936.1	6,934.4	39.1	1.7	-88.54	-1,666.1	485.8	1,652.1	1,616.0	36.10	45.766	
8,661.4	6,979.2	6,936.3	6,934.7	40.1	1.7	-88.55	-1,666.1	485.9	1,648.0	1,610.8	37.16	44.353	
8,700.0	6,979.0	6,936.5	6,934.8	40.7	1.7	-88.56	-1,666.1	485.9	1,646.5	1,608.7	37.82	43.536	
8,741.2	6,978.8	6,936.6	6,935.0	41.3	1.7	-88.56	-1,666.1	485.9	1,646.0	1,607.5	38.54	42.710 CC	
8,759.8	6,978.7	6,936.7	6,935.0	41.6	1.7	-88.56	-1,666.1	485.9	1,646.1	1,607.3	38.87	42.354 ES	
8,800.0	6,978.5	6,936.8	6,935.2	42.2	1.7	-88.57	-1,666.1	485.9	1,647.1	1,607.5	39.57	41.626	
8,858.2	6,978.2	6,937.0	6,935.4	43.1	1.7	-88.58	-1,666.1	485.9	1,650.2	1,609.6	40.60	40.645	
8,900.0	6,978.0	6,937.2	6,935.6	43.8	1.7	-88.58	-1,666.1	485.9	1,653.7	1,612.3	41.34	40.002	
8,956.7	6,977.8	6,937.4	6,935.8	44.7	1.7	-88.59	-1,666.1	485.9	1,660.1	1,617.7	42.35	39.195	
9,000.0	6,977.5	6,937.6	6,935.9	45.4	1.7	-88.59	-1,666.1	485.9	1,666.3	1,623.1	43.13	38.633	
9,055.1	6,977.3	6,937.8	6,936.1	46.3	1.7	-88.60	-1,666.1	485.9	1,675.7	1,631.6	44.13	37.974	
9,100.0	6,977.1	6,937.9	6,936.3	47.1	1.7	-88.61	-1,666.1	485.9	1,684.7	1,639.8	44.94	37.488	
9,153.5	6,976.8	6,938.1	6,936.5	48.0	1.7	-88.61	-1,666.1	485.9	1,696.9	1,651.0	45.92	36.957	
9,200.0	6,976.6	6,938.3	6,936.6	48.8	1.7	-88.62	-1,666.1	485.9	1,708.8	1,662.0	46.76	36.541	
9,251.9	6,976.3	6,938.4	6,936.8	49.7	1.7	-88.62	-1,666.1	485.9	1,723.5	1,675.7	47.72	36.117	
9,300.0	6,976.1	6,938.6	6,937.0	50.5	1.7	-88.63	-1,666.1	485.9	1,738.3	1,689.7	48.60	35.766	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-4 - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_CT												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,350.4	6,975.8	6,938.8	6,937.1	51.3	1.7	-88.64	-1,666.1	485.9	1,755.2	1,705.6	49.53	35.433	
9,400.0	6,975.6	6,938.9	6,937.3	52.2	1.7	-88.64	-1,666.1	485.9	1,773.0	1,722.5	50.45	35.142	
9,448.8	6,975.3	6,939.1	6,937.5	53.1	1.7	-88.65	-1,666.1	485.9	1,791.7	1,740.3	51.36	34.885	
9,500.0	6,975.1	6,939.3	6,937.6	54.0	1.7	-88.65	-1,666.1	485.9	1,812.5	1,760.2	52.31	34.648	
9,547.2	6,974.9	6,939.4	6,937.8	54.8	1.7	-88.66	-1,666.1	485.9	1,832.8	1,779.6	53.20	34.454	
9,600.0	6,974.6	6,939.6	6,938.0	55.7	1.7	-88.66	-1,666.1	485.9	1,856.6	1,802.4	54.18	34.265	
9,645.6	6,974.4	6,939.8	6,938.1	56.5	1.7	-88.67	-1,666.1	485.9	1,878.2	1,823.1	55.04	34.123	
9,700.0	6,974.1	6,939.9	6,938.3	57.5	1.7	-88.68	-1,666.1	485.9	1,904.9	1,848.9	56.06	33.979	
9,744.1	6,973.9	6,940.1	6,938.4	58.3	1.7	-88.68	-1,666.1	485.9	1,927.5	1,870.6	56.89	33.879	
9,800.0	6,973.6	6,940.2	6,938.6	59.3	1.7	-88.69	-1,666.1	486.0	1,957.2	1,899.2	57.95	33.774	
9,842.5	6,973.4	6,940.4	6,938.7	60.0	1.7	-88.69	-1,666.1	486.0	1,980.5	1,921.7	58.75	33.708	
9,900.0	6,973.1	6,940.6	6,938.9	61.1	1.7	-88.70	-1,666.1	486.0	2,013.0	1,953.2	59.84	33.639	
9,940.9	6,972.9	6,940.7	6,939.0	61.8	1.7	-88.70	-1,666.1	486.0	2,036.9	1,976.3	60.62	33.600	
10,000.0	6,972.6	6,940.9	6,939.2	62.9	1.7	-88.71	-1,666.1	486.0	2,072.2	2,010.5	61.74	33.562	
10,039.3	6,972.4	6,941.0	6,939.3	63.6	1.7	-88.71	-1,666.1	486.0	2,096.4	2,033.9	62.49	33.545	
10,100.0	6,972.1	6,941.2	6,939.5	64.7	1.7	-88.72	-1,666.1	486.0	2,134.5	2,070.8	63.65	33.534 SF	
10,137.8	6,972.0	6,941.3	6,939.6	65.4	1.7	-88.72	-1,666.1	486.0	2,158.7	2,094.3	64.37	33.535	
10,200.0	6,971.6	6,941.5	6,939.8	66.6	1.7	-88.73	-1,666.1	486.0	2,199.5	2,133.9	65.56	33.548	
10,236.2	6,971.5	6,941.6	6,939.9	67.2	1.7	-88.73	-1,666.1	486.0	2,223.6	2,157.4	66.25	33.562	
10,300.0	6,971.2	6,941.8	6,940.1	68.4	1.7	-88.74	-1,666.1	486.0	2,267.0	2,199.6	67.48	33.597	
10,334.6	6,971.0	6,941.9	6,940.2	69.0	1.7	-88.74	-1,666.1	486.0	2,291.0	2,222.8	68.14	33.621	
10,400.0	6,970.7	6,942.0	6,940.4	70.2	1.7	-88.75	-1,666.1	486.0	2,336.9	2,267.5	69.40	33.674	
10,433.0	6,970.5	6,942.1	6,940.5	70.9	1.7	-88.75	-1,666.1	486.0	2,360.5	2,290.5	70.03	33.705	
10,500.0	6,970.2	6,942.3	6,940.7	72.1	1.7	-88.76	-1,666.1	486.0	2,408.9	2,337.6	71.32	33.776	
10,531.5	6,970.0	6,942.4	6,940.8	72.7	1.7	-88.76	-1,666.1	486.0	2,432.0	2,360.1	71.93	33.811	
10,600.0	6,969.7	6,942.6	6,941.0	74.0	1.7	-88.77	-1,666.1	486.0	2,482.9	2,409.6	73.25	33.896	
10,629.9	6,969.5	6,942.7	6,941.1	74.5	1.7	-88.77	-1,666.1	486.0	2,505.4	2,431.5	73.83	33.935	
10,700.0	6,969.2	6,942.9	6,941.2	75.8	1.7	-88.78	-1,666.1	486.0	2,558.6	2,483.4	75.18	34.032	
10,728.3	6,969.0	6,943.0	6,941.3	76.4	1.7	-88.78	-1,666.1	486.0	2,580.4	2,504.6	75.73	34.073	
10,800.0	6,968.7	6,943.2	6,941.5	77.7	1.7	-88.79	-1,666.1	486.0	2,636.0	2,558.8	77.12	34.182	
10,826.7	6,968.6	6,943.2	6,941.6	78.2	1.7	-88.79	-1,666.1	486.0	2,656.9	2,579.3	77.63	34.223	
10,900.0	6,968.2	6,943.4	6,941.8	79.6	1.7	-88.80	-1,666.1	486.0	2,714.8	2,635.7	79.05	34.341	
10,925.2	6,968.1	6,943.5	6,941.9	80.1	1.7	-88.80	-1,666.1	486.0	2,734.8	2,655.3	79.54	34.382	
11,000.0	6,967.7	6,943.7	6,942.1	81.5	1.7	-88.81	-1,666.1	486.0	2,795.0	2,714.0	80.99	34.508	
11,023.6	6,967.6	6,943.8	6,942.1	81.9	1.7	-88.81	-1,666.1	486.0	2,814.1	2,732.6	81.45	34.549	
11,100.0	6,967.2	6,944.0	6,942.3	83.4	1.7	-88.82	-1,666.1	486.0	2,876.4	2,793.4	82.94	34.682	
11,122.0	6,967.1	6,944.0	6,942.4	83.8	1.7	-88.82	-1,666.1	486.0	2,894.5	2,811.1	83.37	34.720	
11,200.0	6,966.7	6,944.2	6,942.6	85.3	1.7	-88.82	-1,666.1	486.1	2,958.9	2,874.1	84.88	34.860	
11,220.4	6,966.6	6,944.3	6,942.6	85.7	1.7	-88.83	-1,666.2	486.1	2,976.0	2,890.7	85.28	34.896	
11,300.0	6,966.2	6,944.5	6,942.8	87.2	1.7	-88.83	-1,666.2	486.1	3,042.6	2,955.7	86.83	35.041	
11,318.9	6,966.1	6,944.5	6,942.9	87.5	1.7	-88.83	-1,666.2	486.1	3,058.4	2,971.2	87.20	35.075	
11,400.0	6,965.7	6,944.7	6,943.1	89.1	1.7	-88.84	-1,666.2	486.1	3,127.1	3,038.3	88.78	35.224	
11,417.3	6,965.6	6,944.8	6,943.1	89.4	1.7	-88.84	-1,666.2	486.1	3,141.8	3,052.7	89.12	35.256	
11,500.0	6,965.2	6,945.0	6,943.3	91.0	1.7	-88.85	-1,666.2	486.1	3,212.6	3,121.9	90.73	35.408	
11,515.7	6,965.2	6,945.0	6,943.4	91.3	1.7	-88.85	-1,666.2	486.1	3,226.1	3,135.1	91.04	35.437	
11,600.0	6,964.7	6,945.2	6,943.6	92.9	1.7	-88.86	-1,666.2	486.1	3,298.9	3,206.2	92.68	35.593	
11,614.1	6,964.7	6,945.2	6,943.6	93.2	1.7	-88.86	-1,666.2	486.1	3,311.1	3,218.2	92.96	35.619	
11,700.0	6,964.3	6,945.4	6,943.8	94.8	1.7	-88.87	-1,666.2	486.1	3,385.9	3,291.2	94.64	35.777	
11,712.6	6,964.2	6,945.5	6,943.8	95.1	1.7	-88.87	-1,666.2	486.1	3,396.9	3,302.0	94.88	35.801	
11,800.0	6,963.8	6,945.7	6,944.0	96.7	1.7	-88.87	-1,666.2	486.1	3,473.6	3,377.0	96.59	35.961	
11,811.0	6,963.7	6,945.7	6,944.1	97.0	1.7	-88.88	-1,666.2	486.1	3,483.3	3,386.5	96.81	35.981	
11,900.0	6,963.3	6,945.9	6,944.3	98.7	1.7	-88.88	-1,666.2	486.1	3,562.0	3,463.4	98.55	36.144	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> NE SW SEC. 7 T4N R64W 6th P.M. - LATHAM 7-4 - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.0 usft
Survey Program: 100-GYD_CT												<b>Offset Well Error:</b>	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,909.4	6,963.2	6,945.9	6,944.3	98.9	1.7	-88.88	-1,666.2	486.1	3,570.4	3,471.6	98.74	36.161	
12,000.0	6,962.8	6,946.1	6,944.5	100.6	1.7	-88.89	-1,666.2	486.1	3,651.0	3,550.5	100.51	36.324	
12,007.8	6,962.7	6,946.2	6,944.5	100.7	1.7	-88.89	-1,666.2	486.1	3,658.0	3,557.3	100.66	36.338	
12,100.0	6,962.3	6,946.4	6,944.7	102.5	1.7	-88.90	-1,666.2	486.1	3,740.5	3,638.0	102.47	36.503	
12,106.3	6,962.2	6,946.4	6,944.7	102.6	1.7	-88.90	-1,666.2	486.1	3,746.1	3,643.5	102.59	36.514	
12,200.0	6,961.8	6,946.6	6,944.9	104.5	1.7	-88.91	-1,666.2	486.1	3,830.5	3,726.1	104.43	36.680	
12,204.7	6,961.8	6,946.6	6,945.0	104.5	1.7	-88.91	-1,666.2	486.1	3,834.8	3,730.3	104.52	36.688	
12,300.0	6,961.3	6,946.8	6,945.2	106.4	1.7	-88.91	-1,666.2	486.1	3,921.1	3,814.7	106.39	36.854	
12,303.1	6,961.3	6,946.8	6,945.2	106.4	1.7	-88.91	-1,666.2	486.1	3,923.9	3,817.5	106.46	36.860	
12,400.0	6,960.8	6,947.0	6,945.4	108.3	1.7	-88.92	-1,666.2	486.1	4,012.1	3,903.7	108.36	37.026	
12,401.5	6,960.8	6,947.0	6,945.4	108.3	1.7	-88.92	-1,666.2	486.1	4,013.5	3,905.1	108.39	37.029	
12,500.0	6,960.3	6,947.2	6,945.6	110.3	1.7	-88.93	-1,666.2	486.1	4,103.5	3,993.1	110.32	37.195	
12,598.4	6,959.8	6,947.4	6,945.8	112.2	1.7	-88.93	-1,666.2	486.1	4,193.8	4,081.5	112.26	37.359	
12,600.0	6,959.8	6,947.5	6,945.8	112.2	1.7	-88.93	-1,666.2	486.1	4,195.3	4,083.0	112.29	37.361	
12,696.8	6,959.3	6,947.7	6,946.0	114.1	1.7	-88.94	-1,666.2	486.1	4,284.5	4,170.3	114.19	37.520	
12,700.0	6,959.3	6,947.7	6,946.0	114.1	1.7	-88.94	-1,666.2	486.1	4,287.4	4,173.2	114.26	37.525	
12,795.2	6,958.8	6,947.9	6,946.2	116.0	1.7	-88.95	-1,666.2	486.1	4,375.5	4,259.4	116.13	37.678	
12,800.0	6,958.8	6,947.9	6,946.2	116.1	1.7	-88.95	-1,666.2	486.1	4,379.9	4,263.7	116.22	37.686	
12,893.7	6,958.3	6,948.1	6,946.4	117.9	1.7	-88.96	-1,666.2	486.1	4,466.9	4,348.8	118.07	37.833	
12,900.0	6,958.3	6,948.1	6,946.4	118.0	1.7	-88.96	-1,666.2	486.1	4,472.8	4,354.6	118.19	37.843	
12,992.1	6,957.9	6,948.3	6,946.6	119.8	1.7	-88.96	-1,666.2	486.2	4,558.5	4,438.5	120.00	37.986	
13,000.0	6,957.8	6,948.3	6,946.6	120.0	1.7	-88.96	-1,666.2	486.2	4,565.9	4,445.7	120.16	37.998	
13,090.5	6,957.4	6,948.5	6,946.8	121.7	1.7	-88.97	-1,666.2	486.2	4,650.4	4,528.5	121.94	38.136	
13,100.0	6,957.3	6,948.5	6,946.8	121.9	1.7	-88.97	-1,666.2	486.2	4,659.3	4,537.2	122.13	38.150	
13,188.9	6,956.9	6,948.6	6,947.0	123.6	1.7	-88.98	-1,666.2	486.2	4,742.6	4,618.7	123.88	38.283	
13,200.0	6,956.8	6,948.7	6,947.0	123.9	1.7	-88.98	-1,666.2	486.2	4,753.0	4,628.9	124.10	38.299	
13,287.4	6,956.4	6,948.8	6,947.2	125.6	1.7	-88.98	-1,666.2	486.2	4,835.0	4,709.2	125.82	38.427	
13,300.0	6,956.3	6,948.9	6,947.2	125.8	1.7	-88.98	-1,666.2	486.2	4,846.9	4,720.8	126.07	38.446	
13,385.8	6,955.9	6,949.0	6,947.4	127.5	1.7	-88.99	-1,666.2	486.2	4,927.7	4,799.9	127.76	38.569	
13,400.0	6,955.8	6,949.1	6,947.4	127.8	1.7	-88.99	-1,666.2	486.2	4,941.1	4,813.0	128.04	38.589	
13,484.2	6,955.4	6,949.2	6,947.6	129.4	1.7	-88.99	-1,666.2	486.2	5,020.6	4,890.9	129.71	38.708	
13,500.0	6,955.3	6,949.2	6,947.6	129.7	1.7	-89.00	-1,666.2	486.2	5,035.5	4,905.5	130.02	38.730	
13,582.6	6,954.9	6,949.4	6,947.8	131.3	1.7	-89.00	-1,666.2	486.2	5,113.7	4,982.0	131.65	38.844	
13,600.0	6,954.8	6,949.4	6,947.8	131.7	1.7	-89.00	-1,666.2	486.2	5,130.1	4,998.1	131.99	38.867	
13,681.1	6,954.4	6,949.6	6,947.9	133.2	1.7	-89.01	-1,666.2	486.2	5,207.0	5,073.4	133.59	38.977	
13,700.0	6,954.3	6,949.6	6,948.0	133.6	1.7	-89.01	-1,666.2	486.2	5,224.9	5,091.0	133.96	39.003	
13,779.5	6,953.9	6,949.8	6,948.1	135.2	1.7	-89.01	-1,666.2	486.2	5,300.4	5,164.9	135.53	39.108	
13,800.0	6,953.8	6,949.8	6,948.2	135.6	1.7	-89.01	-1,666.2	486.2	5,319.9	5,184.0	135.94	39.135	
13,877.9	6,953.5	6,949.9	6,948.3	137.1	1.7	-89.02	-1,666.2	486.2	5,394.1	5,256.6	137.48	39.236	
13,900.0	6,953.3	6,950.0	6,948.3	137.5	1.7	-89.02	-1,666.2	486.2	5,415.1	5,277.2	137.91	39.265	
13,976.3	6,953.0	6,950.1	6,948.5	139.0	1.7	-89.02	-1,666.2	486.2	5,487.9	5,348.5	139.42	39.362	
14,000.0	6,952.8	6,950.1	6,948.5	139.5	1.7	-89.03	-1,666.2	486.2	5,510.4	5,370.6	139.89	39.392	
14,074.8	6,952.5	6,950.3	6,948.6	140.9	1.7	-89.03	-1,666.2	486.2	5,581.9	5,440.5	141.36	39.485	
14,100.0	6,952.4	6,950.3	6,948.7	141.4	1.7	-89.03	-1,666.2	486.2	5,606.0	5,464.1	141.86	39.517	
14,170.4	6,952.0	6,950.4	6,948.8	142.8	1.7	-89.04	-1,666.2	486.2	5,673.3	5,530.1	143.19	39.620	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWMD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	11,613.7	6,907.5	0.0	92.0	154.67	-2,834.3	1,341.3	7,642.4				
98.4	98.4	11,613.7	6,907.5	0.1	92.0	154.67	-2,834.3	1,341.3	7,552.7	7,467.4	85.34	88.505	
100.0	100.0	11,613.7	6,907.5	0.1	92.0	154.67	-2,834.3	1,341.3	7,551.3	7,466.0	85.34	88.487	
196.8	196.8	11,613.7	6,907.5	0.3	92.0	154.67	-2,834.3	1,341.3	7,463.3	7,377.7	85.56	87.233	
200.0	200.0	11,613.7	6,907.5	0.3	92.0	154.67	-2,834.3	1,341.3	7,460.4	7,374.9	85.56	87.192	
295.3	295.3	11,613.7	6,907.5	0.5	92.0	154.67	-2,834.3	1,341.3	7,374.1	7,288.3	85.78	85.968	
300.0	300.0	11,613.7	6,907.5	0.5	92.0	154.67	-2,834.3	1,341.3	7,369.8	7,284.0	85.79	85.908	
393.7	393.7	11,613.7	6,907.5	0.8	92.0	154.67	-2,834.3	1,341.3	7,285.1	7,199.1	86.00	84.713	
400.0	400.0	11,613.7	6,907.5	0.8	92.0	154.67	-2,834.3	1,341.3	7,279.5	7,193.4	86.01	84.632	
492.1	492.1	11,613.7	6,907.5	1.0	92.0	154.67	-2,834.3	1,341.3	7,196.4	7,110.2	86.22	83.466	
500.0	500.0	11,613.7	6,907.5	1.0	92.0	154.67	-2,834.3	1,341.3	7,189.3	7,103.1	86.24	83.367	
590.5	590.5	11,613.7	6,907.5	1.2	92.0	154.67	-2,834.3	1,341.3	7,108.0	7,021.5	86.44	82.229	
600.0	600.0	11,613.7	6,907.5	1.2	92.0	154.67	-2,834.3	1,341.3	7,099.5	7,013.0	86.46	82.111	
689.0	689.0	11,613.7	6,907.5	1.4	92.0	154.67	-2,834.3	1,341.3	7,019.8	6,933.1	86.66	81.002	
700.0	700.0	11,613.7	6,907.5	1.4	92.0	154.67	-2,834.3	1,341.3	7,009.9	6,923.2	86.69	80.865	
787.4	787.4	11,613.7	6,907.5	1.6	92.0	154.67	-2,834.3	1,341.3	6,931.8	6,845.0	86.88	79.783	
800.0	800.0	11,613.7	6,907.5	1.7	92.0	154.67	-2,834.3	1,341.3	6,920.6	6,833.7	86.91	79.628	
885.8	885.8	11,613.7	6,907.5	1.9	92.0	154.67	-2,834.3	1,341.3	6,844.2	6,757.1	87.10	78.575	
900.0	900.0	11,613.7	6,907.5	1.9	92.0	154.67	-2,834.3	1,341.3	6,831.6	6,744.5	87.14	78.401	
984.2	984.2	11,613.7	6,907.5	2.1	92.0	154.67	-2,834.3	1,341.3	6,756.9	6,669.5	87.33	77.376	
1,000.0	1,000.0	11,613.7	6,907.5	2.1	92.0	154.67	-2,834.3	1,341.3	6,742.9	6,655.6	87.36	77.185	
1,082.7	1,082.7	11,613.7	6,907.5	2.3	92.0	-130.37	-2,834.3	1,341.3	6,670.2	6,637.9	32.35	206.204	
1,100.0	1,100.0	11,613.7	6,907.5	2.3	92.0	-130.84	-2,834.3	1,341.3	6,655.1	6,622.2	32.87	202.438	
1,181.1	1,181.0	11,613.7	6,907.5	2.5	92.0	-132.92	-2,834.3	1,341.3	6,584.9	6,549.6	35.30	186.520	
1,200.0	1,199.8	11,613.7	6,907.5	2.5	92.0	-133.38	-2,834.3	1,341.3	6,568.7	6,532.9	35.86	183.194	
1,279.5	1,279.1	11,613.7	6,907.5	2.7	92.0	-135.21	-2,834.3	1,341.3	6,501.2	6,463.1	38.11	170.582	
1,300.0	1,299.5	11,613.7	6,907.5	2.8	92.0	-135.66	-2,834.3	1,341.3	6,484.0	6,445.3	38.67	167.679	
1,377.9	1,376.9	11,613.7	6,907.5	3.0	92.0	-137.26	-2,834.3	1,341.3	6,419.2	6,378.5	40.71	157.698	
1,400.0	1,398.7	11,613.7	6,907.5	3.0	92.0	-137.69	-2,834.3	1,341.3	6,401.1	6,359.9	41.25	155.169	
1,476.4	1,474.2	11,613.7	6,907.5	3.2	92.0	-139.10	-2,834.3	1,341.3	6,339.1	6,296.1	43.06	147.217	
1,500.0	1,497.5	11,613.7	6,907.5	3.3	92.0	-139.51	-2,834.3	1,341.3	6,320.2	6,276.6	43.59	145.005	
1,574.8	1,571.0	11,613.7	6,907.5	3.5	92.0	-140.75	-2,834.3	1,341.3	6,261.1	6,216.0	45.17	138.609	
1,600.0	1,595.6	11,613.7	6,907.5	3.6	92.0	-141.14	-2,834.3	1,341.3	6,241.5	6,195.8	45.67	136.664	
1,673.2	1,667.0	11,613.7	6,907.5	3.9	92.0	-142.23	-2,834.3	1,341.3	6,185.3	6,138.3	47.05	131.470	
1,700.0	1,693.1	11,613.7	6,907.5	4.0	92.0	-142.60	-2,834.3	1,341.3	6,165.1	6,117.6	47.52	129.750	
1,735.7	1,727.6	11,613.7	6,907.5	4.1	92.0	-143.09	-2,834.3	1,341.3	6,138.5	6,090.4	48.12	127.569	
1,771.6	1,762.4	11,613.7	6,907.5	4.3	92.0	-143.09	-2,834.3	1,341.3	6,111.8	6,063.6	48.23	126.711	
1,800.0	1,789.8	11,613.7	6,907.5	4.4	92.0	-143.09	-2,834.3	1,341.3	6,090.9	6,042.6	48.32	126.042	
1,870.1	1,857.6	11,613.7	6,907.5	4.7	92.0	-143.09	-2,834.3	1,341.3	6,039.4	5,990.9	48.56	124.376	
1,900.0	1,886.6	11,613.7	6,907.5	4.8	92.0	-143.09	-2,834.3	1,341.3	6,017.5	5,968.9	48.66	123.675	
1,968.5	1,952.8	11,613.7	6,907.5	5.2	92.0	-143.09	-2,834.3	1,341.3	5,967.7	5,918.8	48.89	122.067	
2,000.0	1,983.3	11,613.7	6,907.5	5.3	92.0	-143.09	-2,834.3	1,341.3	5,945.0	5,896.0	49.00	121.327	
2,066.9	2,048.0	11,613.7	6,907.5	5.6	92.0	-143.09	-2,834.3	1,341.3	5,896.8	5,847.6	49.24	119.767	
2,100.0	2,080.0	11,613.7	6,907.5	5.8	92.0	-143.09	-2,834.3	1,341.3	5,873.2	5,823.8	49.35	119.004	
2,165.3	2,143.2	11,613.7	6,907.5	6.1	92.0	-143.09	-2,834.3	1,341.3	5,826.7	5,777.1	49.59	117.502	
2,200.0	2,176.7	11,613.7	6,907.5	6.3	92.0	-143.09	-2,834.3	1,341.3	5,802.2	5,752.5	49.71	116.714	
2,263.8	2,238.4	11,613.7	6,907.5	6.6	92.0	-143.09	-2,834.3	1,341.3	5,757.4	5,707.5	49.95	115.270	
2,300.0	2,273.4	11,613.7	6,907.5	6.8	92.0	-143.09	-2,834.3	1,341.3	5,732.2	5,682.1	50.08	114.459	
2,362.2	2,333.6	11,613.7	6,907.5	7.1	92.0	-143.09	-2,834.3	1,341.3	5,689.0	5,638.7	50.31	113.075	
2,400.0	2,370.2	11,613.7	6,907.5	7.3	92.0	-143.09	-2,834.3	1,341.3	5,663.0	5,612.5	50.45	112.244	
2,460.6	2,428.8	11,613.7	6,907.5	7.6	92.0	-143.09	-2,834.3	1,341.3	5,621.5	5,570.8	50.68	110.920	
2,500.0	2,466.9	11,613.7	6,907.5	7.8	92.0	-143.09	-2,834.3	1,341.3	5,594.7	5,543.9	50.83	110.070	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWMD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,559.0	2,524.0	11,613.7	6,907.5	8.1	92.0	-143.09	-2,834.3	1,341.3	5,554.9	5,503.8	51.05	108.806	
2,600.0	2,563.6	11,613.7	6,907.5	8.3	92.0	-143.09	-2,834.3	1,341.3	5,527.4	5,476.2	51.21	107.940	
2,657.5	2,619.2	11,613.7	6,907.5	8.6	92.0	-143.09	-2,834.3	1,341.3	5,489.2	5,437.8	51.43	106.735	
2,700.0	2,660.3	11,613.7	6,907.5	8.8	92.0	-143.09	-2,834.3	1,341.3	5,461.2	5,409.6	51.59	105.855	
2,755.9	2,714.4	11,613.7	6,907.5	9.1	92.0	-143.09	-2,834.3	1,341.3	5,424.6	5,372.8	51.81	104.708	
2,800.0	2,757.0	11,613.7	6,907.5	9.4	92.0	-143.09	-2,834.3	1,341.3	5,395.9	5,344.0	51.98	103.815	
2,854.3	2,809.6	11,613.7	6,907.5	9.6	92.0	-143.09	-2,834.3	1,341.3	5,360.9	5,308.8	52.19	102.725	
2,900.0	2,853.8	11,613.7	6,907.5	9.9	92.0	-143.09	-2,834.3	1,341.3	5,331.8	5,279.4	52.36	101.821	
2,952.7	2,904.8	11,613.7	6,907.5	10.2	92.0	-143.09	-2,834.3	1,341.3	5,298.4	5,245.8	52.57	100.788	
3,000.0	2,950.5	11,613.7	6,907.5	10.4	92.0	-143.09	-2,834.3	1,341.3	5,268.7	5,216.0	52.75	99.874	
3,051.2	3,000.0	11,613.7	6,907.5	10.7	92.0	-143.09	-2,834.3	1,341.3	5,236.9	5,184.0	52.95	98.896	
3,100.0	3,047.2	11,613.7	6,907.5	10.9	92.0	-143.09	-2,834.3	1,341.3	5,206.8	5,153.7	53.14	97.975	
3,149.6	3,095.2	11,613.7	6,907.5	11.2	92.0	-143.09	-2,834.3	1,341.3	5,176.6	5,123.2	53.34	97.050	
3,200.0	3,143.9	11,613.7	6,907.5	11.5	92.0	-143.09	-2,834.3	1,341.3	5,146.2	5,092.6	53.54	96.123	
3,248.0	3,190.4	11,613.7	6,907.5	11.7	92.0	-143.09	-2,834.3	1,341.3	5,117.4	5,063.7	53.73	95.250	
3,300.0	3,240.6	11,613.7	6,907.5	12.0	92.0	-143.09	-2,834.3	1,341.3	5,086.7	5,032.8	53.93	94.319	
3,346.4	3,285.6	11,613.7	6,907.5	12.3	92.0	-143.09	-2,834.3	1,341.3	5,059.5	5,005.4	54.11	93.497	
3,400.0	3,337.4	11,613.7	6,907.5	12.5	92.0	-143.09	-2,834.3	1,341.3	5,028.6	4,974.2	54.33	92.562	
3,444.9	3,380.8	11,613.7	6,907.5	12.8	92.0	-143.09	-2,834.3	1,341.3	5,002.9	4,948.4	54.50	91.790	
3,500.0	3,434.1	11,613.7	6,907.5	13.1	92.0	-143.09	-2,834.3	1,341.3	4,971.7	4,917.0	54.72	90.854	
3,543.3	3,476.0	11,613.7	6,907.5	13.3	92.0	-143.09	-2,834.3	1,341.3	4,947.5	4,892.6	54.89	90.129	
3,600.0	3,530.8	11,613.7	6,907.5	13.6	92.0	-143.09	-2,834.3	1,341.3	4,916.3	4,861.2	55.12	89.194	
3,641.7	3,571.2	11,613.7	6,907.5	13.8	92.0	-143.09	-2,834.3	1,341.3	4,893.6	4,838.3	55.28	88.516	
3,700.0	3,627.5	11,613.7	6,907.5	14.2	92.0	-143.09	-2,834.3	1,341.3	4,862.2	4,806.7	55.52	87.582	
3,740.1	3,666.4	11,613.7	6,907.5	14.4	92.0	-143.09	-2,834.3	1,341.3	4,841.0	4,785.3	55.68	86.949	
3,800.0	3,724.2	11,613.7	6,907.5	14.7	92.0	-143.09	-2,834.3	1,341.3	4,809.7	4,753.8	55.91	86.019	
3,838.6	3,761.6	11,613.7	6,907.5	14.9	92.0	-143.09	-2,834.3	1,341.3	4,789.8	4,733.8	56.07	85.428	
3,900.0	3,821.0	11,613.7	6,907.5	15.2	92.0	-143.09	-2,834.3	1,341.3	4,758.7	4,702.3	56.31	84.503	
3,937.0	3,856.8	11,613.7	6,907.5	15.4	92.0	-143.09	-2,834.3	1,341.3	4,740.2	4,683.7	56.46	83.955	
4,000.0	3,917.7	11,613.7	6,907.5	15.8	92.0	-143.09	-2,834.3	1,341.3	4,709.2	4,652.5	56.71	83.036	
4,035.4	3,951.9	11,613.7	6,907.5	16.0	92.0	-143.09	-2,834.3	1,341.3	4,692.1	4,635.2	56.85	82.527	
4,100.0	4,014.4	11,613.7	6,907.5	16.3	92.0	-143.09	-2,834.3	1,341.3	4,661.4	4,604.2	57.11	81.617	
4,133.8	4,047.1	11,613.7	6,907.5	16.5	92.0	-143.09	-2,834.3	1,341.3	4,645.5	4,588.3	57.25	81.147	
4,200.0	4,111.1	11,613.7	6,907.5	16.9	92.0	-143.09	-2,834.3	1,341.3	4,615.2	4,557.7	57.51	80.246	
4,232.3	4,142.3	11,613.7	6,907.5	17.0	92.0	-143.09	-2,834.3	1,341.3	4,600.7	4,543.0	57.64	79.813	
4,300.0	4,207.8	11,613.7	6,907.5	17.4	92.0	-143.09	-2,834.3	1,341.3	4,570.7	4,512.8	57.91	78.923	
4,330.7	4,237.5	11,613.7	6,907.5	17.6	92.0	-143.09	-2,834.3	1,341.3	4,557.4	4,499.4	58.04	78.526	
4,400.0	4,304.6	11,613.7	6,907.5	17.9	92.0	-143.09	-2,834.3	1,341.3	4,528.1	4,469.8	58.32	77.648	
4,429.1	4,332.7	11,613.7	6,907.5	18.1	92.0	-143.09	-2,834.3	1,341.3	4,516.0	4,457.5	58.43	77.285	
4,500.0	4,401.3	11,613.7	6,907.5	18.5	92.0	-143.09	-2,834.3	1,341.3	4,487.2	4,428.5	58.72	76.421	
4,527.5	4,427.9	11,613.7	6,907.5	18.6	92.0	-143.09	-2,834.3	1,341.3	4,476.3	4,417.5	58.83	76.091	
4,600.0	4,498.0	11,613.7	6,907.5	19.0	92.0	-143.09	-2,834.3	1,341.3	4,448.2	4,389.1	59.12	75.242	
4,626.0	4,523.1	11,613.7	6,907.5	19.2	92.0	-143.09	-2,834.3	1,341.3	4,438.4	4,379.2	59.22	74.944	
4,700.0	4,594.7	11,613.7	6,907.5	19.6	92.0	-143.09	-2,834.3	1,341.3	4,411.2	4,351.7	59.52	74.111	
4,724.4	4,618.3	11,613.7	6,907.5	19.7	92.0	-143.09	-2,834.3	1,341.3	4,402.4	4,342.8	59.62	73.842	
4,800.0	4,691.5	11,613.7	6,907.5	20.1	92.0	-143.09	-2,834.3	1,341.3	4,376.1	4,316.2	59.92	73.028	
4,822.8	4,713.5	11,613.7	6,907.5	20.2	92.0	-143.09	-2,834.3	1,341.3	4,368.4	4,308.4	60.02	72.787	
4,900.0	4,788.2	11,613.7	6,907.5	20.7	92.0	-143.09	-2,834.3	1,341.3	4,343.0	4,282.7	60.33	71.992	
4,921.2	4,808.7	11,613.7	6,907.5	20.8	92.0	-143.09	-2,834.3	1,341.3	4,336.3	4,275.9	60.41	71.778	
5,000.0	4,884.9	11,613.7	6,907.5	21.2	92.0	-143.09	-2,834.3	1,341.3	4,312.0	4,251.3	60.73	71.004	
5,019.7	4,903.9	11,613.7	6,907.5	21.3	92.0	-143.09	-2,834.3	1,341.3	4,306.2	4,245.4	60.81	70.815	
5,100.0	4,981.6	11,613.7	6,907.5	21.8	92.0	-143.09	-2,834.3	1,341.3	4,283.1	4,222.0	61.13	70.063	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWDD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,118.1	4,999.1	11,613.7	6,907.5	21.8	92.0	-143.09	-2,834.3	1,341.3	4,278.1	4,216.9	61.21	69.897	
5,200.0	5,078.3	11,613.7	6,907.5	22.3	92.0	-143.09	-2,834.3	1,341.3	4,256.4	4,194.9	61.54	69.169	
5,216.5	5,094.3	11,613.7	6,907.5	22.4	92.0	-143.09	-2,834.3	1,341.3	4,252.2	4,190.6	61.60	69.026	
5,300.0	5,175.1	11,613.7	6,907.5	22.8	92.0	-143.09	-2,834.3	1,341.3	4,231.9	4,169.9	61.94	68.322	
5,314.9	5,189.5	11,613.7	6,907.5	22.9	92.0	-143.09	-2,834.3	1,341.3	4,228.4	4,166.4	62.00	68.199	
5,400.0	5,271.8	11,613.7	6,907.5	23.4	92.0	-143.09	-2,834.3	1,341.3	4,209.6	4,147.2	62.34	67.522	
5,413.4	5,284.7	11,613.7	6,907.5	23.5	92.0	-143.09	-2,834.3	1,341.3	4,206.8	4,144.4	62.40	67.418	
5,500.0	5,368.5	11,613.7	6,907.5	23.9	92.0	-143.09	-2,834.3	1,341.3	4,189.5	4,126.8	62.75	66.767	
5,511.8	5,379.9	11,613.7	6,907.5	24.0	92.0	-143.09	-2,834.3	1,341.3	4,187.3	4,124.5	62.80	66.681	
5,600.0	5,465.2	11,613.7	6,907.5	24.5	92.0	-143.09	-2,834.3	1,341.3	4,171.8	4,108.6	63.15	66.059	
5,610.2	5,475.1	11,613.7	6,907.5	24.5	92.0	-143.09	-2,834.3	1,341.3	4,170.1	4,106.9	63.19	65.989	
5,647.2	5,510.9	11,613.7	6,907.5	24.7	92.0	-143.09	-2,834.3	1,341.3	4,164.2	4,100.9	63.34	65.741	
5,700.0	5,562.1	11,613.7	6,907.5	25.0	92.0	-142.99	-2,834.3	1,341.3	4,156.0	4,092.5	63.53	65.418	
5,708.6	5,570.5	11,613.7	6,907.5	25.0	92.0	-142.97	-2,834.3	1,341.3	4,154.6	4,091.1	63.55	65.373	
5,800.0	5,659.6	11,613.7	6,907.5	25.3	92.0	-142.79	-2,834.3	1,341.3	4,140.1	4,076.3	63.77	64.927	
5,807.1	5,666.6	11,613.7	6,907.5	25.4	92.0	-142.78	-2,834.3	1,341.3	4,139.0	4,075.2	63.78	64.896	
5,900.0	5,757.9	11,613.7	6,907.5	25.7	92.0	-142.59	-2,834.3	1,341.3	4,123.8	4,059.9	63.91	64.524	
5,905.5	5,763.3	11,613.7	6,907.5	25.7	92.0	-142.58	-2,834.3	1,341.3	4,122.9	4,059.0	63.92	64.505	
6,000.0	5,856.7	11,613.7	6,907.5	26.0	92.0	-142.39	-2,834.3	1,341.3	4,107.2	4,043.2	63.97	64.209	
6,003.9	5,860.6	11,613.7	6,907.5	26.0	92.0	-142.38	-2,834.3	1,341.3	4,106.5	4,042.6	63.97	64.199	
6,100.0	5,956.1	11,613.7	6,907.5	26.2	92.0	-142.18	-2,834.3	1,341.3	4,090.2	4,026.2	63.93	63.979	
6,102.3	5,958.4	11,613.7	6,907.5	26.2	92.0	-142.17	-2,834.3	1,341.3	4,089.8	4,025.8	63.93	63.975	
6,200.0	6,055.7	11,613.7	6,907.5	26.4	92.0	-141.96	-2,834.3	1,341.3	4,072.8	4,009.0	63.80	63.834	
6,200.8	6,056.5	11,613.7	6,907.5	26.4	92.0	-141.96	-2,834.3	1,341.3	4,072.7	4,008.9	63.80	63.833	
6,299.2	6,154.8	11,613.7	6,907.5	26.5	92.0	-141.74	-2,834.3	1,341.3	4,055.3	3,991.7	63.59	63.772	
6,300.0	6,155.6	11,613.7	6,907.5	26.5	92.0	-141.74	-2,834.3	1,341.3	4,055.1	3,991.5	63.59	63.772	
6,382.9	6,238.5	11,613.7	6,907.5	26.6	92.0	141.12	-2,834.3	1,341.3	4,040.2	3,976.7	63.56	63.566	
6,397.6	6,253.2	11,613.7	6,907.5	26.6	92.0	141.12	-2,834.3	1,341.3	4,037.6	3,974.0	63.58	63.506	
6,400.0	6,255.6	11,613.7	6,907.5	26.6	92.0	141.12	-2,834.3	1,341.3	4,037.2	3,973.6	63.58	63.496	
6,412.9	6,268.5	11,613.7	6,907.5	26.6	92.0	141.12	-2,834.3	1,341.3	4,034.9	3,971.3	63.60	63.443	
6,450.0	6,305.6	11,613.7	6,907.5	26.7	92.0	-39.45	-2,834.3	1,341.3	4,027.9	3,964.4	63.51	63.420	
6,496.0	6,351.5	11,613.7	6,907.5	26.7	92.0	-39.99	-2,834.3	1,341.3	4,017.6	3,953.8	63.82	62.954	
6,500.0	6,355.4	11,613.7	6,907.5	26.7	92.0	-40.04	-2,834.3	1,341.3	4,016.7	3,952.8	63.85	62.906	
6,550.0	6,404.8	11,613.7	6,907.5	26.7	92.0	-40.75	-2,834.3	1,341.3	4,003.4	3,939.0	64.40	62.166	
6,594.5	6,448.1	11,613.7	6,907.5	26.8	92.0	-41.49	-2,834.3	1,341.3	3,990.0	3,924.9	65.07	61.322	
6,600.0	6,453.5	11,613.7	6,907.5	26.8	92.0	-41.59	-2,834.3	1,341.3	3,988.2	3,923.1	65.16	61.207	
6,650.0	6,501.3	11,613.7	6,907.5	26.8	92.0	-42.56	-2,834.3	1,341.3	3,971.1	3,905.0	66.14	60.043	
6,692.9	6,541.4	11,613.7	6,907.5	26.8	92.0	-43.52	-2,834.3	1,341.3	3,955.0	3,887.8	67.15	58.894	
6,700.0	6,548.0	11,613.7	6,907.5	26.8	92.0	-43.68	-2,834.3	1,341.3	3,952.2	3,884.8	67.34	58.693	
6,750.0	6,593.3	11,613.7	6,907.5	26.8	92.0	-44.96	-2,834.3	1,341.3	3,931.4	3,862.7	68.76	57.177	
6,791.3	6,629.6	11,613.7	6,907.5	26.8	92.0	-46.13	-2,834.3	1,341.3	3,913.0	3,842.9	70.11	55.812	
6,800.0	6,637.0	11,613.7	6,907.5	26.8	92.0	-46.40	-2,834.3	1,341.3	3,909.0	3,838.6	70.41	55.516	
6,850.0	6,679.0	11,613.7	6,907.5	26.8	92.0	-48.01	-2,834.3	1,341.3	3,884.9	3,812.6	72.30	53.735	
6,889.7	6,710.9	11,613.7	6,907.5	26.8	92.0	-49.42	-2,834.3	1,341.3	3,864.7	3,790.7	73.97	52.246	
6,900.0	6,718.9	11,613.7	6,907.5	26.8	92.0	-49.81	-2,834.3	1,341.3	3,859.3	3,784.9	74.42	51.857	
6,950.0	6,756.7	11,613.7	6,907.5	26.8	92.0	-51.80	-2,834.3	1,341.3	3,832.2	3,755.5	76.78	49.909	
6,988.2	6,783.9	11,613.7	6,907.5	26.8	92.0	-53.47	-2,834.3	1,341.3	3,810.7	3,731.9	78.75	48.387	
7,000.0	6,792.0	11,613.7	6,907.5	26.8	92.0	-54.01	-2,834.3	1,341.3	3,803.8	3,724.5	79.38	47.917	
7,050.0	6,824.8	11,613.7	6,907.5	26.8	92.0	-56.42	-2,834.3	1,341.3	3,774.2	3,692.0	82.21	45.911	
7,086.6	6,847.2	11,613.7	6,907.5	26.8	92.0	-58.33	-2,834.3	1,341.3	3,751.8	3,667.4	84.42	44.442	
7,100.0	6,854.9	11,613.7	6,907.5	26.8	92.0	-59.06	-2,834.3	1,341.3	3,743.4	3,658.2	85.23	43.923	
7,150.0	6,882.2	11,613.7	6,907.5	26.8	92.0	-61.92	-2,834.3	1,341.3	3,711.7	3,623.3	88.40	41.988	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWMD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,185.0	6,899.5	11,613.7	6,907.5	26.8	92.0	-64.06	-2,834.3	1,341.3	3,688.9	3,598.3	90.67	40.684	
7,200.0	6,906.5	11,613.7	6,907.5	26.9	92.0	-65.00	-2,834.3	1,341.3	3,679.1	3,587.4	91.66	40.140	
7,250.0	6,927.6	11,613.7	6,907.5	26.9	92.0	-68.29	-2,834.3	1,341.3	3,645.7	3,550.8	94.91	38.412	
7,283.4	6,940.0	11,613.7	6,907.5	27.0	92.0	-70.59	-2,834.3	1,341.3	3,623.1	3,526.1	97.04	37.336	
7,300.0	6,945.5	11,613.7	6,907.5	27.0	92.0	-71.76	-2,834.3	1,341.3	3,611.8	3,513.8	98.06	36.833	
7,350.0	6,960.2	11,613.7	6,907.5	27.1	92.0	-75.38	-2,834.3	1,341.3	3,577.5	3,476.5	100.99	35.423	
7,381.9	6,967.8	11,613.7	6,907.5	27.2	92.0	-77.76	-2,834.3	1,341.3	3,555.4	3,452.7	102.70	34.619	
7,400.0	6,971.5	11,613.7	6,907.5	27.2	92.0	-79.13	-2,834.3	1,341.3	3,542.9	3,439.3	103.60	34.197	
7,450.0	6,979.3	11,613.7	6,907.5	27.4	92.0	-82.94	-2,834.3	1,341.3	3,508.1	3,402.3	105.80	33.160	
7,480.3	6,982.4	11,613.7	6,907.5	27.5	92.0	-85.26	-2,834.3	1,341.3	3,487.1	3,380.2	106.90	32.620	
7,500.0	6,983.7	11,613.7	6,907.5	27.5	92.0	-86.77	-2,834.3	1,341.3	3,473.5	3,366.0	107.51	32.307	
7,541.4	6,984.7	11,613.7	6,907.5	27.7	92.0	-89.92	-2,834.3	1,341.3	3,445.0	3,336.4	108.55	31.735	
7,578.7	6,984.5	11,613.7	6,907.5	27.9	92.0	-89.92	-2,834.3	1,341.3	3,419.4	3,310.5	108.93	31.392	
7,600.0	6,984.4	11,613.7	6,907.5	28.0	92.0	-89.92	-2,834.3	1,341.3	3,405.0	3,295.9	109.14	31.199	
7,677.1	6,984.0	11,613.7	6,907.5	28.5	92.0	-89.92	-2,834.3	1,341.3	3,353.2	3,243.3	109.96	30.496	
7,700.0	6,983.9	11,613.7	6,907.5	28.6	92.0	-89.92	-2,834.3	1,341.3	3,338.1	3,227.9	110.20	30.291	
7,775.6	6,983.5	11,613.7	6,907.5	29.2	92.0	-89.92	-2,834.3	1,341.3	3,288.6	3,177.6	111.07	29.609	
7,800.0	6,983.4	11,613.7	6,907.5	29.4	92.0	-89.92	-2,834.3	1,341.3	3,272.9	3,161.5	111.35	29.393	
7,874.0	6,983.1	11,613.7	6,907.5	30.0	92.0	-89.92	-2,834.3	1,341.3	3,225.7	3,113.5	112.28	28.729	
7,900.0	6,982.9	11,613.7	6,907.5	30.3	92.0	-89.92	-2,834.3	1,341.3	3,209.4	3,096.8	112.61	28.500	
7,972.4	6,982.6	11,613.7	6,907.5	31.0	92.0	-89.92	-2,834.3	1,341.3	3,164.7	3,051.1	113.59	27.860	
8,000.0	6,982.4	11,613.7	6,907.5	31.3	92.0	-89.92	-2,834.3	1,341.3	3,147.9	3,033.9	113.97	27.621	
8,070.8	6,982.1	11,613.7	6,907.5	32.1	92.0	-89.92	-2,834.3	1,341.3	3,105.5	2,990.5	114.99	27.008	
8,100.0	6,982.0	11,613.7	6,907.5	32.4	92.0	-89.92	-2,834.3	1,341.3	3,088.4	2,973.0	115.40	26.761	
8,169.3	6,981.6	11,613.7	6,907.5	33.2	92.0	-89.92	-2,834.3	1,341.3	3,048.4	2,931.9	116.45	26.178	
8,200.0	6,981.5	11,613.7	6,907.5	33.6	92.0	-89.92	-2,834.3	1,341.3	3,031.0	2,914.1	116.91	25.926	
8,267.7	6,981.1	11,613.7	6,907.5	34.5	92.0	-89.92	-2,834.3	1,341.3	2,993.4	2,875.4	117.97	25.375	
8,300.0	6,981.0	11,613.7	6,907.5	34.9	92.0	-89.92	-2,834.3	1,341.3	2,975.8	2,857.4	118.47	25.118	
8,366.1	6,980.7	11,613.7	6,907.5	35.8	92.0	-89.92	-2,834.3	1,341.3	2,940.7	2,821.1	119.54	24.600	
8,400.0	6,980.5	11,613.7	6,907.5	36.3	92.0	-89.92	-2,834.3	1,341.3	2,923.1	2,803.0	120.09	24.342	
8,464.5	6,980.2	11,613.7	6,907.5	37.2	92.0	-89.92	-2,834.3	1,341.3	2,890.3	2,769.2	121.15	23.857	
8,500.0	6,980.0	11,613.7	6,907.5	37.7	92.0	-89.92	-2,834.3	1,341.3	2,872.8	2,751.1	121.74	23.598	
8,563.0	6,979.7	11,613.7	6,907.5	38.6	92.0	-89.92	-2,834.3	1,341.3	2,842.5	2,719.7	122.80	23.147	
8,600.0	6,979.5	11,613.7	6,907.5	39.1	92.0	-89.92	-2,834.3	1,341.3	2,825.2	2,701.8	123.43	22.890	
8,661.4	6,979.2	11,613.7	6,907.5	40.1	92.0	-89.92	-2,834.3	1,341.3	2,797.4	2,672.9	124.49	22.472	
8,700.0	6,979.0	11,613.7	6,907.5	40.7	92.0	-89.92	-2,834.3	1,341.3	2,780.4	2,655.3	125.15	22.217	
8,759.8	6,978.7	11,613.7	6,907.5	41.6	92.0	-89.92	-2,834.3	1,341.3	2,755.0	2,628.8	126.19	21.831	
8,800.0	6,978.5	11,613.7	6,907.5	42.2	92.0	-89.92	-2,834.3	1,341.3	2,738.5	2,611.6	126.90	21.581	
8,858.2	6,978.2	11,613.7	6,907.5	43.1	92.0	-89.92	-2,834.3	1,341.3	2,715.5	2,587.6	127.93	21.227	
8,900.0	6,978.0	11,613.7	6,907.5	43.8	92.0	-89.92	-2,834.3	1,341.3	2,699.7	2,571.0	128.67	20.982	
8,956.7	6,977.8	11,613.7	6,907.5	44.7	92.0	-89.92	-2,834.3	1,341.3	2,679.1	2,549.4	129.68	20.659	
9,000.0	6,977.5	11,613.7	6,907.5	45.4	92.0	-89.92	-2,834.3	1,341.3	2,664.0	2,533.6	130.46	20.421	
9,055.1	6,977.3	11,613.7	6,907.5	46.3	92.0	-89.92	-2,834.3	1,341.3	2,645.8	2,514.4	131.45	20.128	
9,100.0	6,977.1	11,613.7	6,907.5	47.1	92.0	-89.92	-2,834.3	1,341.3	2,631.7	2,499.5	132.26	19.897	
9,153.5	6,976.8	11,613.7	6,907.5	48.0	92.0	-89.92	-2,834.3	1,341.3	2,615.8	2,482.6	133.24	19.632	
9,200.0	6,976.6	11,613.7	6,907.5	48.8	92.0	-89.92	-2,834.3	1,341.3	2,602.8	2,468.7	134.09	19.411	
9,251.9	6,976.3	11,613.7	6,907.5	49.7	92.0	-89.92	-2,834.3	1,341.3	2,589.2	2,454.2	135.04	19.174	
9,300.0	6,976.1	11,613.7	6,907.5	50.5	92.0	-89.92	-2,834.3	1,341.3	2,577.5	2,441.6	135.92	18.963	
9,350.4	6,975.8	11,613.7	6,907.5	51.3	92.0	-89.92	-2,834.3	1,341.3	2,566.1	2,429.3	136.86	18.751	
9,400.0	6,975.6	11,613.7	6,907.5	52.2	92.0	-89.92	-2,834.3	1,341.3	2,555.8	2,418.1	137.77	18.551	
9,448.8	6,975.3	11,613.7	6,907.5	53.1	92.0	-89.92	-2,834.3	1,341.3	2,546.6	2,408.0	138.68	18.363	
9,500.0	6,975.1	11,613.7	6,907.5	54.0	92.0	-89.92	-2,834.3	1,341.3	2,537.9	2,398.3	139.63	18.176	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWMD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,547.2	6,974.9	11,613.7	6,907.5	54.8	92.0	-89.92	-2,834.3	1,341.3	2,530.8	2,390.3	140.52	18.011	
9,600.0	6,974.6	11,613.7	6,907.5	55.7	92.0	-89.92	-2,834.3	1,341.3	2,523.9	2,382.4	141.50	17.836	
9,645.6	6,974.4	11,613.7	6,907.5	56.5	92.0	-89.92	-2,834.3	1,341.3	2,518.8	2,376.4	142.36	17.693	
9,700.0	6,974.1	11,613.7	6,907.5	57.5	92.0	-89.92	-2,834.3	1,341.3	2,513.7	2,370.3	143.38	17.532	
9,744.1	6,973.9	11,613.7	6,907.5	58.3	92.0	-89.92	-2,834.3	1,341.3	2,510.5	2,366.3	144.21	17.408	
9,800.0	6,973.6	11,613.7	6,907.5	59.3	92.0	-89.92	-2,834.3	1,341.3	2,507.5	2,362.2	145.27	17.261	
9,842.5	6,973.4	11,613.7	6,907.5	60.0	92.0	-89.92	-2,834.3	1,341.3	2,506.1	2,360.0	146.07	17.156	
9,900.0	6,973.1	11,613.7	6,907.5	61.1	92.0	-89.92	-2,834.3	1,341.3	2,505.3	2,358.1	147.16	17.024	
9,906.0	6,973.1	11,613.7	6,907.5	61.2	92.0	-89.92	-2,834.3	1,341.3	2,505.3	2,358.0	147.27	17.011 CC	
9,940.9	6,972.9	11,588.3	6,907.7	61.8	91.6	-89.92	-2,859.7	1,341.3	2,505.4	2,357.9	147.46	16.990 ES	
10,000.0	6,972.6	11,529.2	6,908.1	62.9	90.5	-89.94	-2,918.8	1,341.3	2,505.6	2,358.1	147.47	16.990	
10,039.3	6,972.4	11,489.8	6,908.3	63.6	89.8	-89.95	-2,958.1	1,341.3	2,505.8	2,358.3	147.48	16.990	
10,100.0	6,972.1	11,429.2	6,908.7	64.7	88.7	-89.97	-3,018.8	1,341.3	2,506.0	2,358.5	147.50	16.989	
10,137.8	6,972.0	11,391.4	6,909.0	65.4	88.0	-89.98	-3,056.5	1,341.3	2,506.1	2,358.6	147.52	16.989	
10,200.0	6,971.6	11,329.2	6,909.4	66.6	86.9	-89.99	-3,118.8	1,341.3	2,506.4	2,358.8	147.54	16.988	
10,236.2	6,971.5	11,293.0	6,909.6	67.2	86.2	-90.00	-3,155.0	1,341.3	2,506.5	2,358.9	147.55	16.987	
10,300.0	6,971.2	11,229.2	6,910.1	68.4	85.1	-90.02	-3,218.7	1,341.4	2,506.7	2,359.2	147.58	16.985	
10,334.6	6,971.0	11,194.6	6,910.3	69.0	84.4	-90.03	-3,253.4	1,341.4	2,506.9	2,359.3	147.60	16.984	
10,400.0	6,970.7	11,129.2	6,910.7	70.2	83.3	-90.05	-3,318.7	1,341.4	2,507.1	2,359.5	147.63	16.982	
10,433.0	6,970.5	11,096.2	6,911.0	70.9	82.7	-90.05	-3,351.8	1,341.4	2,507.3	2,359.6	147.65	16.981	
10,500.0	6,970.2	11,029.2	6,911.4	72.1	81.5	-90.07	-3,418.7	1,341.4	2,507.5	2,359.8	147.69	16.978	
10,531.5	6,970.0	10,997.8	6,911.6	72.7	80.9	-90.08	-3,450.2	1,341.4	2,507.6	2,359.9	147.71	16.977	
10,600.0	6,969.7	10,929.2	6,912.1	74.0	79.7	-90.10	-3,518.7	1,341.4	2,507.9	2,360.1	147.75	16.974	
10,629.9	6,969.5	10,899.3	6,912.3	74.5	79.1	-90.11	-3,548.6	1,341.4	2,508.0	2,360.2	147.77	16.972	
10,700.0	6,969.2	10,829.2	6,912.7	75.8	77.9	-90.13	-3,618.7	1,341.4	2,508.3	2,360.5	147.82	16.968	
10,728.3	6,969.0	10,800.9	6,912.9	76.4	77.4	-90.13	-3,647.0	1,341.4	2,508.4	2,360.5	147.84	16.967	
10,800.0	6,968.7	10,729.2	6,913.4	77.7	76.1	-90.15	-3,718.7	1,341.4	2,508.7	2,360.8	147.90	16.962	
10,826.7	6,968.6	10,702.5	6,913.6	78.2	75.6	-90.16	-3,745.4	1,341.4	2,508.8	2,360.8	147.92	16.961	
10,900.0	6,968.2	10,629.3	6,914.1	79.6	74.4	-90.18	-3,818.7	1,341.4	2,509.0	2,361.1	147.98	16.956	
10,925.2	6,968.1	10,604.1	6,914.2	80.1	73.9	-90.19	-3,843.9	1,341.4	2,509.1	2,361.1	148.00	16.954	
11,000.0	6,967.7	10,529.3	6,914.7	81.5	72.6	-90.21	-3,918.7	1,341.4	2,509.4	2,361.4	148.06	16.948	
11,023.6	6,967.6	10,505.7	6,914.9	81.9	72.2	-90.21	-3,942.3	1,341.4	2,509.5	2,361.4	148.08	16.947	
11,100.0	6,967.2	10,429.3	6,915.4	83.4	70.8	-90.23	-4,018.7	1,341.4	2,509.8	2,361.7	148.15	16.941	
11,122.0	6,967.1	10,407.2	6,915.5	83.8	70.5	-90.24	-4,040.7	1,341.4	2,509.9	2,361.7	148.18	16.939	
11,200.0	6,966.7	10,329.3	6,916.1	85.3	69.1	-90.26	-4,118.7	1,341.5	2,510.2	2,362.0	148.25	16.932	
11,220.4	6,966.6	10,308.8	6,916.2	85.7	68.7	-90.26	-4,139.1	1,341.5	2,510.3	2,362.0	148.27	16.930	
11,300.0	6,966.2	10,229.3	6,916.7	87.2	67.4	-90.28	-4,218.7	1,341.5	2,510.6	2,362.2	148.36	16.922	
11,318.9	6,966.1	10,210.4	6,916.9	87.5	67.0	-90.29	-4,237.5	1,341.5	2,510.7	2,362.3	148.38	16.921	
11,400.0	6,965.7	10,129.3	6,917.4	89.1	65.6	-90.31	-4,318.6	1,341.5	2,511.0	2,362.5	148.47	16.912	
11,417.3	6,965.6	10,112.0	6,917.5	89.4	65.3	-90.32	-4,335.9	1,341.5	2,511.0	2,362.6	148.49	16.910	
11,500.0	6,965.2	10,029.3	6,918.1	91.0	63.9	-90.34	-4,418.6	1,341.5	2,511.4	2,362.8	148.59	16.901	
11,515.7	6,965.2	10,013.6	6,918.2	91.3	63.7	-90.34	-4,434.4	1,341.5	2,511.4	2,362.8	148.61	16.900	
11,600.0	6,964.7	9,929.3	6,918.7	92.9	62.2	-90.36	-4,518.6	1,341.5	2,511.8	2,363.0	148.72	16.890	
11,614.1	6,964.7	9,915.2	6,918.8	93.2	62.0	-90.37	-4,532.8	1,341.5	2,511.8	2,363.1	148.73	16.888	
11,700.0	6,964.3	9,829.3	6,919.4	94.8	60.5	-90.39	-4,618.6	1,341.5	2,512.1	2,363.3	148.85	16.877	
11,712.6	6,964.2	9,816.7	6,919.5	95.1	60.3	-90.39	-4,631.2	1,341.5	2,512.2	2,363.3	148.87	16.875	
11,800.0	6,963.8	9,729.3	6,920.1	96.7	58.9	-90.42	-4,718.6	1,341.5	2,512.5	2,363.5	148.99	16.864	
11,811.0	6,963.7	9,718.3	6,920.1	97.0	58.7	-90.42	-4,729.6	1,341.5	2,512.6	2,363.6	149.01	16.862	
11,900.0	6,963.3	9,629.3	6,920.7	98.7	57.2	-90.44	-4,818.6	1,341.5	2,512.9	2,363.8	149.14	16.849	
11,909.4	6,963.2	9,619.9	6,920.8	98.9	57.1	-90.45	-4,828.0	1,341.5	2,513.0	2,363.8	149.16	16.848	
12,000.0	6,962.8	9,529.3	6,921.4	100.6	55.6	-90.47	-4,918.6	1,341.6	2,513.3	2,364.0	149.30	16.834	
12,007.8	6,962.7	9,521.5	6,921.4	100.7	55.5	-90.47	-4,926.4	1,341.6	2,513.4	2,364.0	149.32	16.832	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,100.0	6,962.3	9,429.3	6,922.1	102.5	54.0	-90.50	-5,018.6	1,341.6	2,513.7	2,364.2	149.48	16.817	
12,106.3	6,962.2	9,423.1	6,922.1	102.6	53.9	-90.50	-5,024.9	1,341.6	2,513.7	2,364.3	149.49	16.816	
12,200.0	6,961.8	9,329.3	6,922.7	104.5	52.4	-90.52	-5,118.6	1,341.6	2,514.1	2,364.5	149.66	16.799	
12,204.7	6,961.8	9,324.6	6,922.8	104.5	52.3	-90.52	-5,123.3	1,341.6	2,514.1	2,364.5	149.67	16.798	
12,300.0	6,961.3	9,229.4	6,923.4	106.4	50.8	-90.55	-5,218.6	1,341.6	2,514.5	2,364.6	149.85	16.780	
12,303.1	6,961.3	9,226.2	6,923.4	106.4	50.8	-90.55	-5,221.7	1,341.6	2,514.5	2,364.7	149.86	16.779	
12,400.0	6,960.8	9,129.4	6,924.1	108.3	49.3	-90.57	-5,318.6	1,341.6	2,514.9	2,364.8	150.06	16.759	
12,401.5	6,960.8	9,127.8	6,924.1	108.3	49.3	-90.58	-5,320.1	1,341.6	2,514.9	2,364.8	150.07	16.759	
12,500.0	6,960.3	9,029.4	6,924.7	110.3	47.8	-90.60	-5,418.5	1,341.6	2,515.3	2,365.0	150.29	16.737	
12,598.4	6,959.8	8,931.0	6,925.4	112.2	46.4	-90.63	-5,516.9	1,341.6	2,515.7	2,365.2	150.53	16.713	
12,600.0	6,959.8	8,929.4	6,925.4	112.2	46.3	-90.63	-5,518.5	1,341.6	2,515.7	2,365.2	150.53	16.712	
12,696.8	6,959.3	8,832.6	6,926.0	114.1	44.9	-90.65	-5,615.3	1,341.6	2,516.1	2,365.3	150.78	16.687	
12,700.0	6,959.3	8,829.4	6,926.1	114.1	44.9	-90.65	-5,618.5	1,341.6	2,516.1	2,365.3	150.79	16.686	
12,795.2	6,958.8	8,734.1	6,926.7	116.0	43.6	-90.68	-5,713.8	1,341.6	2,516.5	2,365.4	151.06	16.659	
12,800.0	6,958.8	8,729.4	6,926.7	116.1	43.5	-90.68	-5,718.5	1,341.6	2,516.5	2,365.4	151.07	16.657	
12,893.7	6,958.3	8,635.7	6,927.3	117.9	42.3	-90.70	-5,812.2	1,341.7	2,516.9	2,365.5	151.36	16.628	
12,900.0	6,958.3	8,629.4	6,927.4	118.0	42.2	-90.71	-5,818.5	1,341.7	2,516.9	2,365.5	151.38	16.626	
12,992.1	6,957.9	8,537.3	6,928.0	119.8	41.0	-90.73	-5,910.6	1,341.7	2,517.2	2,365.6	151.69	16.594	
13,000.0	6,957.8	8,529.4	6,928.0	120.0	40.9	-90.73	-5,918.5	1,341.7	2,517.3	2,365.6	151.72	16.592	
13,090.5	6,957.4	8,438.9	6,928.6	121.7	39.8	-90.76	-6,009.0	1,341.7	2,517.6	2,365.6	152.05	16.557	
13,100.0	6,957.3	8,429.4	6,928.7	121.9	39.7	-90.76	-6,018.5	1,341.7	2,517.7	2,365.6	152.09	16.554	
13,188.9	6,956.9	8,340.5	6,929.3	123.6	38.7	-90.78	-6,107.4	1,341.7	2,518.0	2,365.6	152.45	16.517	
13,200.0	6,956.8	8,329.4	6,929.4	123.9	38.5	-90.79	-6,118.5	1,341.7	2,518.1	2,365.6	152.50	16.512	
13,287.4	6,956.4	8,242.0	6,930.0	125.6	37.6	-90.81	-6,205.8	1,341.7	2,518.4	2,365.5	152.89	16.472	
13,300.0	6,956.3	8,229.4	6,930.0	125.8	37.5	-90.81	-6,218.5	1,341.7	2,518.5	2,365.5	152.95	16.466	
13,385.8	6,955.9	8,143.6	6,930.6	127.5	36.6	-90.83	-6,304.3	1,341.7	2,518.8	2,365.4	153.38	16.422	
13,400.0	6,955.8	8,129.4	6,930.7	127.8	36.5	-90.84	-6,318.5	1,341.7	2,518.9	2,365.4	153.46	16.414	
13,484.2	6,955.4	8,045.2	6,931.3	129.4	35.7	-90.86	-6,402.7	1,341.7	2,519.2	2,365.3	153.93	16.366	
13,500.0	6,955.3	8,029.4	6,931.4	129.7	35.6	-90.86	-6,418.4	1,341.7	2,519.3	2,365.3	154.02	16.357	
13,582.6	6,954.9	7,946.8	6,931.9	131.3	34.9	-90.89	-6,501.1	1,341.7	2,519.6	2,365.1	154.54	16.304	
13,600.0	6,954.8	7,929.4	6,932.0	131.7	34.8	-90.89	-6,518.4	1,341.7	2,519.7	2,365.0	154.66	16.292	
13,681.1	6,954.4	7,848.4	6,932.6	133.2	34.2	-90.91	-6,599.5	1,341.7	2,520.0	2,364.8	155.23	16.234	
13,700.0	6,954.3	7,829.5	6,932.7	133.6	34.1	-90.92	-6,618.4	1,341.7	2,520.1	2,364.7	155.37	16.220	
13,779.5	6,953.9	7,750.0	6,933.2	135.2	33.6	-90.94	-6,697.9	1,341.8	2,520.4	2,364.4	156.02	16.155	
13,800.0	6,953.8	7,729.5	6,933.4	135.6	33.5	-90.94	-6,718.4	1,341.8	2,520.5	2,364.3	156.19	16.137	
13,877.9	6,953.5	7,651.5	6,933.9	137.1	33.1	-90.96	-6,796.3	1,341.8	2,520.8	2,363.9	156.91	16.065	
13,900.0	6,953.3	7,629.5	6,934.0	137.5	33.0	-90.97	-6,818.4	1,341.8	2,520.9	2,363.8	157.13	16.044	
13,976.3	6,953.0	7,551.7	6,934.2	139.0	32.7	-90.98	-6,896.1	1,341.8	2,521.2	2,363.3	157.90	15.967	
14,000.0	6,952.8	7,526.6	6,933.1	139.5	32.6	-90.96	-6,921.3	1,341.8	2,521.3	2,363.1	158.15	15.943	
14,074.8	6,952.5	7,448.1	6,924.0	140.9	32.4	-90.76	-6,999.2	1,341.8	2,521.4	2,362.5	158.97	15.861	
14,100.0	6,952.4	7,422.1	6,919.2	141.4	32.4	-90.65	-7,024.7	1,341.8	2,521.5	2,362.2	159.28	15.831	
14,170.4	6,952.0	7,351.9	6,901.4	142.8	32.2	-90.26	-7,092.7	1,341.8	2,521.6	2,361.5	160.10	15.750 SF	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 106-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	169.89	-5,114.8	912.0	5,195.5				
98.4	98.4	134.3	134.3	0.1	0.1	169.88	-5,114.0	912.9	5,195.0	5,194.8	0.21	N/A	
100.0	100.0	136.2	136.2	0.1	0.1	169.88	-5,114.0	912.9	5,195.0	5,194.8	0.21	N/A	
196.8	196.8	225.7	225.7	0.3	0.3	169.87	-5,112.9	913.6	5,194.1	5,193.5	0.62	8,442.606	
200.0	200.0	227.8	227.8	0.3	0.3	169.87	-5,112.9	913.6	5,194.1	5,193.4	0.63	8,289.974	
295.3	295.3	285.0	285.0	0.5	0.4	169.86	-5,112.6	914.1	5,193.6	5,192.7	0.96	5,422.985	
296.5	296.5	285.0	285.0	0.5	0.4	169.86	-5,112.6	914.1	5,193.6	5,192.7	0.96	5,407.685	
300.0	300.0	285.0	285.0	0.5	0.4	169.86	-5,112.6	914.1	5,193.6	5,192.7	0.97	5,363.509	
393.7	393.7	343.3	343.3	0.8	0.5	169.86	-5,112.6	914.8	5,194.0	5,192.7	1.30	3,990.953	
400.0	400.0	346.7	346.7	0.8	0.6	169.86	-5,112.6	914.8	5,194.0	5,192.7	1.32	3,926.437	
492.1	492.1	390.0	390.0	1.0	0.6	169.85	-5,113.0	915.7	5,195.1	5,193.5	1.62	3,205.213	
500.0	500.0	390.0	390.0	1.0	0.6	169.85	-5,113.0	915.7	5,195.3	5,193.6	1.64	3,170.676	
590.5	590.5	454.0	454.0	1.2	0.8	169.83	-5,113.9	917.6	5,197.1	5,195.1	1.98	2,619.014	
600.0	600.0	459.5	459.4	1.2	0.8	169.83	-5,114.0	917.8	5,197.3	5,195.3	2.02	2,575.899	
689.0	689.0	517.0	516.9	1.4	0.9	169.80	-5,115.3	920.1	5,199.9	5,197.5	2.35	2,217.093	
700.0	700.0	517.0	516.9	1.4	0.9	169.80	-5,115.3	920.1	5,200.2	5,197.8	2.37	2,194.061	
787.4	787.4	561.7	561.5	1.6	1.0	169.78	-5,116.6	922.3	5,203.5	5,200.8	2.67	1,948.412	
800.0	800.0	568.2	568.0	1.7	1.1	169.78	-5,116.8	922.6	5,204.0	5,201.3	2.71	1,917.453	
885.8	885.8	612.2	611.9	1.9	1.2	169.76	-5,118.4	925.0	5,208.0	5,204.9	3.01	1,729.877	
900.0	900.0	619.4	619.1	1.9	1.2	169.75	-5,118.7	925.4	5,208.7	5,205.6	3.06	1,702.335	
984.2	984.2	668.4	668.0	2.1	1.3	169.73	-5,121.0	928.3	5,213.4	5,210.0	3.37	1,548.152	
1,000.0	1,000.0	681.5	681.0	2.1	1.3	169.72	-5,121.6	929.1	5,214.3	5,210.9	3.44	1,517.972	
1,082.7	1,082.7	728.0	727.3	2.3	1.4	-112.89	-5,123.9	932.0	5,219.8	5,216.1	3.73	1,399.864	
1,100.0	1,100.0	754.0	753.2	2.3	1.5	-112.89	-5,125.2	933.8	5,221.1	5,217.2	3.83	1,362.864	
1,181.1	1,181.0	801.8	800.8	2.5	1.6	-112.81	-5,127.9	937.4	5,228.1	5,224.0	4.12	1,268.181	
1,200.0	1,199.8	812.9	811.9	2.5	1.7	-112.80	-5,128.5	938.3	5,229.9	5,225.7	4.19	1,248.137	
1,279.5	1,279.1	856.0	854.7	2.7	1.8	-112.71	-5,131.1	942.0	5,238.5	5,234.0	4.48	1,170.350	
1,300.0	1,299.5	856.0	854.7	2.8	1.8	-112.66	-5,131.1	942.0	5,240.9	5,236.4	4.52	1,158.957	
1,377.9	1,376.9	918.3	916.7	3.0	2.0	-112.61	-5,135.1	948.1	5,250.9	5,246.0	4.88	1,076.065	
1,400.0	1,398.7	931.4	929.6	3.0	2.0	-112.58	-5,136.0	949.4	5,254.0	5,249.0	4.97	1,057.468	
1,476.4	1,474.2	985.0	982.7	3.2	2.2	-112.51	-5,139.7	955.5	5,265.4	5,260.1	5.32	989.940	
1,500.0	1,497.5	985.0	982.7	3.3	2.2	-112.44	-5,139.7	955.5	5,269.2	5,263.8	5.38	978.843	
1,574.8	1,571.0	985.0	982.7	3.5	2.2	-112.19	-5,139.7	955.5	5,282.3	5,276.7	5.61	940.905	
1,600.0	1,595.6	985.0	982.7	3.6	2.2	-112.10	-5,139.7	955.5	5,287.1	5,281.4	5.69	928.906	
1,673.2	1,667.0	1,050.2	1,047.2	3.9	2.4	-112.05	-5,145.0	963.8	5,301.1	5,295.0	6.14	862.738	
1,700.0	1,693.1	1,059.6	1,056.5	4.0	2.4	-111.98	-5,145.8	965.1	5,306.7	5,300.5	6.27	846.771	
1,735.7	1,727.6	1,072.0	1,068.7	4.1	2.5	-111.88	-5,147.0	966.8	5,314.5	5,308.0	6.44	824.865	
1,771.6	1,762.4	1,113.0	1,109.0	4.3	2.6	-112.04	-5,151.1	972.8	5,322.7	5,316.0	6.71	793.327	
1,800.0	1,789.8	1,113.0	1,109.0	4.4	2.6	-112.04	-5,151.1	972.8	5,329.0	5,322.2	6.82	780.924	
1,870.1	1,857.6	1,113.0	1,109.0	4.7	2.6	-112.04	-5,151.1	972.8	5,345.3	5,338.2	7.12	750.586	
1,900.0	1,886.6	1,113.0	1,109.0	4.8	2.6	-112.04	-5,151.1	972.8	5,352.5	5,345.3	7.25	738.431	
1,968.5	1,952.8	1,158.3	1,153.6	5.2	2.8	-112.22	-5,156.1	979.8	5,369.2	5,361.5	7.70	697.381	
2,000.0	1,983.3	1,170.8	1,165.8	5.3	2.9	-112.27	-5,157.5	981.8	5,377.0	5,369.1	7.88	682.450	
2,066.9	2,048.0	1,197.2	1,191.7	5.6	3.0	-112.37	-5,160.6	986.1	5,394.1	5,385.8	8.27	652.306	
2,100.0	2,080.0	1,242.0	1,235.4	5.8	3.1	-112.55	-5,166.3	993.8	5,402.9	5,394.3	8.56	630.904	
2,165.3	2,143.2	1,242.0	1,235.4	6.1	3.1	-112.55	-5,166.3	993.8	5,420.1	5,411.2	8.87	611.183	
2,200.0	2,176.7	1,242.0	1,235.4	6.3	3.1	-112.55	-5,166.3	993.8	5,429.4	5,420.4	9.03	601.300	
2,263.8	2,238.4	1,292.3	1,284.5	6.6	3.4	-112.76	-5,172.9	1,003.0	5,446.9	5,437.4	9.51	572.956	
2,300.0	2,273.4	1,314.3	1,305.8	6.8	3.5	-112.86	-5,175.8	1,007.2	5,457.0	5,447.2	9.75	559.465	
2,362.2	2,333.6	1,370.0	1,359.8	7.1	3.7	-113.10	-5,183.1	1,018.6	5,474.5	5,464.3	10.24	534.430	
2,400.0	2,370.2	1,370.0	1,359.8	7.3	3.7	-113.10	-5,183.1	1,018.6	5,485.3	5,474.8	10.42	526.167	
2,460.6	2,428.8	1,370.0	1,359.8	7.6	3.7	-113.10	-5,183.1	1,018.6	5,503.0	5,492.2	10.72	513.385	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 106-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,500.0	2,466.9	1,370.0	1,359.8	7.8	3.7	-113.10	-5,183.1	1,018.6	5,514.8	5,503.9	10.91	505.484		
2,559.0	2,524.0	1,428.2	1,416.0	8.1	4.0	-113.36	-5,191.0	1,031.5	5,532.2	5,520.8	11.43	484.121		
2,600.0	2,563.6	1,442.3	1,429.6	8.3	4.1	-113.42	-5,193.1	1,034.8	5,544.8	5,533.1	11.68	474.611		
2,657.5	2,619.2	1,498.0	1,482.9	8.6	4.4	-113.68	-5,201.4	1,048.5	5,563.0	5,550.8	12.18	456.657		
2,700.0	2,660.3	1,498.0	1,482.9	8.8	4.4	-113.68	-5,201.4	1,048.5	5,576.3	5,563.9	12.39	450.026		
2,755.9	2,714.4	1,498.0	1,482.9	9.1	4.4	-113.68	-5,201.4	1,048.5	5,594.2	5,581.5	12.67	441.618		
2,800.0	2,757.0	1,498.0	1,482.9	9.4	4.4	-113.68	-5,201.4	1,048.5	5,608.7	5,595.8	12.89	435.266		
2,854.3	2,809.6	1,498.0	1,482.9	9.6	4.4	-113.68	-5,201.4	1,048.5	5,627.0	5,613.8	13.16	427.718		
2,900.0	2,853.8	1,546.6	1,529.2	9.9	4.7	-113.91	-5,209.1	1,061.2	5,642.2	5,628.6	13.60	414.804		
2,952.7	2,904.8	1,565.1	1,546.8	10.2	4.8	-114.00	-5,212.2	1,066.2	5,660.3	5,646.4	13.95	405.791		
3,000.0	2,950.5	1,581.6	1,562.4	10.4	4.9	-114.08	-5,214.9	1,070.7	5,676.8	5,662.5	14.26	398.146		
3,051.2	3,000.0	1,627.0	1,605.2	10.7	5.2	-114.30	-5,222.7	1,083.7	5,695.1	5,680.4	14.71	387.052		
3,100.0	3,047.2	1,627.0	1,605.2	10.9	5.2	-114.30	-5,222.7	1,083.7	5,712.5	5,697.5	14.96	381.901		
3,149.6	3,095.2	1,627.0	1,605.2	11.2	5.2	-114.30	-5,222.7	1,083.7	5,730.5	5,715.3	15.21	376.841		
3,200.0	3,143.9	1,672.5	1,648.0	11.5	5.5	-114.53	-5,230.7	1,097.0	5,749.0	5,733.3	15.68	366.715		
3,248.0	3,190.4	1,704.8	1,678.3	11.7	5.7	-114.69	-5,236.4	1,106.5	5,766.7	5,750.6	16.07	358.837		
3,300.0	3,240.6	1,739.6	1,711.0	12.0	6.0	-114.86	-5,242.6	1,116.7	5,786.1	5,769.6	16.49	350.785		
3,346.4	3,285.6	1,755.0	1,725.4	12.3	6.1	-114.93	-5,245.3	1,121.3	5,803.5	5,786.7	16.80	345.449		
3,400.0	3,337.4	1,755.0	1,725.4	12.5	6.1	-114.93	-5,245.3	1,121.3	5,824.0	5,806.9	17.07	341.204		
3,444.9	3,380.8	1,755.0	1,725.4	12.8	6.1	-114.93	-5,245.3	1,121.3	5,841.5	5,824.2	17.29	337.758		
3,500.0	3,434.1	1,810.6	1,777.5	13.1	6.5	-115.20	-5,255.6	1,138.0	5,862.6	5,844.8	17.85	328.485		
3,543.3	3,476.0	1,824.1	1,790.0	13.3	6.6	-115.27	-5,258.2	1,142.1	5,879.7	5,861.6	18.13	324.284		
3,600.0	3,530.8	1,841.6	1,806.3	13.6	6.7	-115.35	-5,261.6	1,147.5	5,902.4	5,883.9	18.50	319.011		
3,641.7	3,571.2	1,884.0	1,845.7	13.8	7.0	-115.56	-5,270.2	1,160.9	5,919.5	5,900.6	18.92	312.900		
3,700.0	3,627.5	1,884.0	1,845.7	14.2	7.0	-115.56	-5,270.2	1,160.9	5,943.3	5,924.0	19.21	309.356		
3,740.1	3,666.4	1,885.1	1,846.7	14.4	7.0	-115.57	-5,270.4	1,161.2	5,959.9	5,940.5	19.42	306.903		
3,800.0	3,724.2	1,954.7	1,911.0	14.7	7.5	-115.91	-5,284.6	1,183.6	5,984.8	5,964.7	20.06	298.387		
3,838.6	3,761.6	1,999.4	1,952.4	14.9	7.8	-116.13	-5,293.5	1,198.2	6,000.8	5,980.3	20.46	293.230		
3,900.0	3,821.0	2,012.0	1,964.0	15.2	7.9	-116.20	-5,295.9	1,202.3	6,026.5	6,005.6	20.83	289.273		
3,937.0	3,856.8	2,050.7	1,999.7	15.4	8.2	-116.39	-5,303.5	1,215.1	6,041.9	6,020.7	21.21	284.818		
4,000.0	3,917.7	2,078.3	2,025.1	15.8	8.4	-116.53	-5,309.1	1,224.4	6,068.7	6,047.0	21.67	280.079		
4,035.4	3,951.9	2,093.8	2,039.3	16.0	8.6	-116.60	-5,312.2	1,229.6	6,083.8	6,061.9	21.92	277.515		
4,100.0	4,014.4	2,140.0	2,081.8	16.3	8.9	-116.83	-5,321.7	1,245.3	6,111.7	6,089.3	22.47	271.946		
4,133.8	4,047.1	2,140.0	2,081.8	16.5	8.9	-116.83	-5,321.7	1,245.3	6,126.4	6,103.8	22.64	270.551		
4,200.0	4,111.1	2,140.0	2,081.8	16.9	8.9	-116.83	-5,321.7	1,245.3	6,155.6	6,132.6	22.98	267.902		
4,232.3	4,142.3	2,140.0	2,081.8	17.0	8.9	-116.83	-5,321.7	1,245.3	6,170.0	6,146.9	23.14	266.644		
4,300.0	4,207.8	2,187.1	2,124.9	17.4	9.3	-117.06	-5,331.8	1,261.4	6,200.3	6,176.6	23.72	261.388		
4,330.7	4,237.5	2,196.2	2,133.2	17.6	9.4	-117.11	-5,333.8	1,264.5	6,214.2	6,190.3	23.92	259.777		
4,400.0	4,304.6	2,216.7	2,151.9	17.9	9.5	-117.21	-5,338.4	1,271.5	6,245.9	6,221.5	24.37	256.259		
4,429.1	4,332.7	2,225.3	2,159.7	18.1	9.6	-117.25	-5,340.4	1,274.4	6,259.4	6,234.8	24.56	254.826		
4,500.0	4,401.3	2,269.0	2,199.5	18.5	10.0	-117.46	-5,350.8	1,289.2	6,292.6	6,267.4	25.14	250.313		
4,527.5	4,427.9	2,269.0	2,199.5	18.6	10.0	-117.46	-5,350.8	1,289.2	6,305.5	6,280.2	25.28	249.453		
4,600.0	4,498.0	2,269.0	2,199.5	19.0	10.0	-117.46	-5,350.8	1,289.2	6,339.9	6,314.2	25.64	247.251		
4,626.0	4,523.1	2,269.0	2,199.5	19.2	10.0	-117.46	-5,350.8	1,289.2	6,352.4	6,326.6	25.77	246.482		
4,700.0	4,594.7	2,323.2	2,248.6	19.6	10.4	-117.72	-5,364.0	1,308.1	6,388.0	6,361.6	26.43	241.722		
4,724.4	4,618.3	2,333.8	2,258.1	19.7	10.5	-117.77	-5,366.6	1,312.0	6,399.9	6,373.2	26.60	240.555		
4,800.0	4,691.5	2,366.4	2,287.4	20.1	10.8	-117.93	-5,374.4	1,324.0	6,436.8	6,409.7	27.15	237.075		
4,822.8	4,713.5	2,397.0	2,314.7	20.2	11.1	-118.08	-5,381.7	1,335.6	6,448.1	6,420.7	27.42	235.159		
4,900.0	4,788.2	2,397.0	2,314.7	20.7	11.1	-118.08	-5,381.7	1,335.6	6,486.3	6,458.5	27.81	233.259		
4,921.2	4,808.7	2,397.0	2,314.7	20.8	11.1	-118.08	-5,381.7	1,335.6	6,497.0	6,469.0	27.91	232.749		
5,000.0	4,884.9	2,397.0	2,314.7	21.2	11.1	-118.08	-5,381.7	1,335.6	6,536.8	6,508.5	28.31	230.908		
5,019.7	4,903.9	2,438.9	2,352.0	21.3	11.5	-118.30	-5,391.8	1,351.9	6,546.6	6,517.9	28.65	228.529		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 106-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	4,981.6	2,461.4	2,371.9	21.8	11.7	-118.41	-5,397.3	1,360.7	6,587.7	6,558.5	29.18	225.787	
5,118.1	4,999.1	2,466.4	2,376.4	21.8	11.7	-118.43	-5,398.6	1,362.7	6,597.0	6,567.7	29.30	225.188	
5,200.0	5,078.3	2,526.0	2,428.8	22.3	12.3	-118.73	-5,413.8	1,386.4	6,639.8	6,609.8	30.04	221.048	
5,216.5	5,094.3	2,526.0	2,428.8	22.4	12.3	-118.73	-5,413.8	1,386.4	6,648.4	6,618.3	30.12	220.726	
5,300.0	5,175.1	2,526.0	2,428.8	22.8	12.3	-118.73	-5,413.8	1,386.4	6,692.2	6,661.7	30.54	219.141	
5,314.9	5,189.5	2,526.0	2,428.8	22.9	12.3	-118.73	-5,413.8	1,386.4	6,700.2	6,669.6	30.61	218.864	
5,400.0	5,271.8	2,526.0	2,428.8	23.4	12.3	-118.73	-5,413.8	1,386.4	6,745.7	6,714.7	31.04	217.328	
5,413.4	5,284.7	2,526.0	2,428.8	23.5	12.3	-118.73	-5,413.8	1,386.4	6,753.0	6,721.9	31.11	217.093	
5,500.0	5,368.5	2,526.0	2,428.8	23.9	12.3	-118.73	-5,413.8	1,386.4	6,800.3	6,768.7	31.54	215.606	
5,511.8	5,379.9	2,526.0	2,428.8	24.0	12.3	-118.73	-5,413.8	1,386.4	6,806.8	6,775.2	31.60	215.408	
5,600.0	5,465.2	2,585.0	2,480.3	24.5	12.9	-119.03	-5,429.7	1,410.5	6,855.0	6,822.6	32.39	211.646	
5,610.2	5,475.1	2,587.2	2,482.3	24.5	13.0	-119.04	-5,430.3	1,411.4	6,860.7	6,828.2	32.45	211.403	
5,647.2	5,510.9	2,595.3	2,489.2	24.7	13.0	-119.08	-5,432.5	1,414.8	6,881.3	6,848.6	32.69	210.532	
5,700.0	5,562.1	2,606.8	2,499.2	25.0	13.2	-119.75	-5,435.8	1,419.6	6,910.6	6,877.8	32.83	210.499	
5,708.6	5,570.5	2,608.7	2,500.9	25.0	13.2	-119.86	-5,436.3	1,420.4	6,915.4	6,882.6	32.85	210.545	
5,800.0	5,659.6	2,654.0	2,539.8	25.3	13.7	-121.11	-5,449.3	1,439.5	6,965.9	6,932.8	33.15	210.139	
5,807.1	5,666.6	2,654.0	2,539.8	25.4	13.7	-121.19	-5,449.3	1,439.5	6,969.8	6,936.6	33.15	210.251	
5,900.0	5,757.9	2,654.0	2,539.8	25.7	13.7	-122.21	-5,449.3	1,439.5	7,020.2	6,987.0	33.16	211.716	
5,905.5	5,763.3	2,654.0	2,539.8	25.7	13.7	-122.27	-5,449.3	1,439.5	7,023.1	6,990.0	33.16	211.816	
6,000.0	5,856.7	2,654.0	2,539.8	26.0	13.7	-123.28	-5,449.3	1,439.5	7,073.8	7,040.7	33.13	213.520	
6,003.9	5,860.6	2,654.0	2,539.8	26.0	13.7	-123.32	-5,449.3	1,439.5	7,075.9	7,042.8	33.13	213.599	
6,100.0	5,956.1	2,718.3	2,594.6	26.2	14.4	-124.54	-5,468.2	1,467.4	7,126.2	7,092.8	33.44	213.099	
6,102.3	5,958.4	2,719.1	2,595.3	26.2	14.4	-124.56	-5,468.4	1,467.8	7,127.5	7,094.0	33.44	213.121	
6,200.0	6,055.7	2,782.0	2,648.2	26.4	15.1	-125.73	-5,487.0	1,496.1	7,177.9	7,144.2	33.70	212.975	
6,200.8	6,056.5	2,782.0	2,648.2	26.4	15.1	-125.74	-5,487.0	1,496.1	7,178.3	7,144.6	33.70	212.993	
6,299.2	6,154.8	2,782.0	2,648.2	26.5	15.1	-126.66	-5,487.0	1,496.1	7,227.7	7,194.2	33.57	215.307	
6,300.0	6,155.6	2,782.0	2,648.2	26.5	15.1	-126.67	-5,487.0	1,496.1	7,228.1	7,194.6	33.57	215.325	
6,382.9	6,238.5	2,834.5	2,692.0	26.6	15.7	155.11	-5,502.4	1,520.5	7,268.9	7,235.2	33.69	215.763	
6,397.6	6,253.2	2,842.3	2,698.5	26.6	15.8	155.09	-5,504.7	1,524.1	7,276.1	7,242.3	33.75	215.568	
6,400.0	6,255.6	2,843.5	2,699.6	26.6	15.8	155.09	-5,505.0	1,524.7	7,277.2	7,243.5	33.76	215.537	
6,412.9	6,268.5	2,850.3	2,705.3	26.6	15.9	155.07	-5,507.0	1,528.0	7,283.5	7,249.7	33.82	215.360	
6,450.0	6,305.6	2,870.1	2,721.6	26.7	16.1	-24.54	-5,512.8	1,537.3	7,300.9	7,266.7	34.21	213.404	
6,496.0	6,351.5	2,911.0	2,755.5	26.7	16.6	-23.96	-5,524.6	1,557.0	7,320.4	7,285.8	34.57	211.778	
6,500.0	6,355.4	2,911.0	2,755.5	26.7	16.6	-23.90	-5,524.6	1,557.0	7,321.9	7,287.4	34.57	211.818	
6,550.0	6,404.8	2,935.0	2,775.3	26.7	16.9	-23.36	-5,531.6	1,568.7	7,340.1	7,305.5	34.63	211.940	
6,594.5	6,448.1	2,979.5	2,812.0	26.8	17.4	-23.05	-5,544.3	1,590.5	7,353.8	7,319.1	34.68	212.064	
6,600.0	6,453.5	2,985.1	2,816.6	26.8	17.5	-23.02	-5,545.8	1,593.2	7,355.3	7,320.6	34.67	212.145	
6,650.0	6,501.3	3,035.1	2,857.8	26.8	18.1	-22.81	-5,560.0	1,617.8	7,367.4	7,332.9	34.52	213.448	
6,692.9	6,541.4	4,267.2	3,927.1	26.8	30.3	-26.84	-5,844.9	2,152.4	7,369.0	7,328.8	40.18	183.394	
6,700.0	6,548.0	4,269.1	3,928.7	26.8	30.3	-26.85	-5,845.2	2,153.2	7,369.1	7,329.0	40.06	183.932	
6,750.0	6,593.3	4,323.0	3,976.1	26.8	30.8	-27.11	-5,852.7	2,177.8	7,368.4	7,329.0	39.32	187.372	
6,791.3	6,629.6	4,323.0	3,976.1	26.8	30.8	-27.23	-5,852.7	2,177.8	7,365.1	7,326.8	38.35	192.028	
6,800.0	6,637.0	4,323.0	3,976.1	26.8	30.8	-27.26	-5,852.7	2,177.8	7,364.2	7,326.1	38.13	193.114	
6,850.0	6,679.0	4,323.0	3,976.1	26.8	30.8	-27.52	-5,852.7	2,177.8	7,357.3	7,320.5	36.78	200.027	
6,889.7	6,710.9	4,323.0	3,976.1	26.8	30.8	-27.80	-5,852.7	2,177.8	7,349.9	7,314.3	35.61	206.385	
6,900.0	6,718.9	4,323.0	3,976.1	26.8	30.8	-27.89	-5,852.7	2,177.8	7,347.7	7,312.4	35.30	208.170	
6,950.0	6,756.7	4,323.0	3,976.1	26.8	30.8	-28.36	-5,852.7	2,177.8	7,335.4	7,301.7	33.72	217.568	
6,988.2	6,783.9	4,323.0	3,976.1	26.8	30.8	-28.81	-5,852.7	2,177.8	7,324.2	7,291.7	32.47	225.535	
7,000.0	6,792.0	4,323.0	3,976.1	26.8	30.8	-28.97	-5,852.7	2,177.8	7,320.4	7,288.4	32.08	228.177	
7,050.0	6,824.8	4,323.0	3,976.1	26.8	30.8	-29.70	-5,852.7	2,177.8	7,302.9	7,272.5	30.45	239.809	
7,086.6	6,847.2	4,323.0	3,976.1	26.8	30.8	-30.33	-5,852.7	2,177.8	7,288.5	7,259.2	29.32	248.600	
7,100.0	6,854.9	4,323.0	3,976.1	26.8	30.8	-30.58	-5,852.7	2,177.8	7,282.9	7,254.0	28.90	252.044	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 106-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	4,373.4	4,019.8	26.8	31.3	-31.96	-5,860.0	2,201.8	7,259.9	7,232.2	27.71	262.041	
7,185.0	6,899.5	4,380.0	4,025.5	26.8	31.4	-32.86	-5,860.9	2,204.9	7,242.6	7,215.7	26.89	269.331	
7,200.0	6,906.5	4,382.7	4,027.9	26.9	31.4	-33.27	-5,861.4	2,206.2	7,234.8	7,208.2	26.60	272.000	
7,250.0	6,927.6	4,391.3	4,035.2	26.9	31.5	-34.80	-5,862.7	2,210.4	7,207.5	7,181.7	25.85	278.874	
7,283.4	6,940.0	4,396.5	4,039.8	27.0	31.6	-35.95	-5,863.5	2,212.9	7,188.1	7,162.5	25.58	280.968	
7,300.0	6,945.5	4,399.0	4,041.9	27.0	31.6	-36.56	-5,863.8	2,214.1	7,178.1	7,152.5	25.53	281.126	
7,350.0	6,960.2	4,405.8	4,047.8	27.1	31.7	-38.60	-5,864.9	2,217.4	7,146.6	7,120.9	25.72	277.832	
7,381.9	6,967.8	4,409.7	4,051.1	27.2	31.7	-40.06	-5,865.5	2,219.2	7,125.5	7,099.4	26.12	272.824	
7,400.0	6,971.5	4,452.0	4,087.5	27.2	32.2	-41.36	-5,872.3	2,239.9	7,113.6	7,086.8	26.72	266.273	
7,450.0	6,979.3	4,452.0	4,087.5	27.4	32.2	-44.04	-5,872.3	2,239.9	7,078.4	7,050.5	27.91	253.609	
7,480.3	6,982.4	4,452.0	4,087.5	27.5	32.2	-45.87	-5,872.3	2,239.9	7,056.3	7,027.4	28.85	244.575	
7,500.0	6,983.7	4,452.0	4,087.5	27.5	32.2	-47.14	-5,872.3	2,239.9	7,041.6	7,012.1	29.53	238.441	
7,541.4	6,984.7	4,452.0	4,087.5	27.7	32.2	-50.06	-5,872.3	2,239.9	7,010.1	6,979.0	31.13	225.194	
7,578.7	6,984.5	4,452.0	4,087.5	27.9	32.2	-50.06	-5,872.3	2,239.9	6,981.3	6,949.9	31.41	222.244	
7,600.0	6,984.4	4,452.0	4,087.5	28.0	32.2	-50.06	-5,872.3	2,239.9	6,964.9	6,933.4	31.57	220.588	
7,677.1	6,984.0	4,452.0	4,087.5	28.5	32.2	-50.06	-5,872.3	2,239.9	6,905.8	6,873.6	32.21	214.410	
7,700.0	6,983.9	4,452.0	4,087.5	28.6	32.2	-50.06	-5,872.3	2,239.9	6,888.4	6,856.0	32.40	212.630	
7,775.6	6,983.5	4,452.0	4,087.5	29.2	32.2	-50.06	-5,872.3	2,239.9	6,830.9	6,797.8	33.08	206.494	
7,800.0	6,983.4	4,452.0	4,087.5	29.4	32.2	-50.06	-5,872.3	2,239.9	6,812.4	6,779.1	33.30	204.569	
7,874.0	6,983.1	4,452.0	4,087.5	30.0	32.2	-50.06	-5,872.3	2,239.9	6,756.6	6,722.5	34.05	198.444	
7,900.0	6,982.9	4,452.0	4,087.5	30.3	32.2	-50.06	-5,872.3	2,239.9	6,737.0	6,702.7	34.31	196.361	
7,972.4	6,982.6	4,452.0	4,087.5	31.0	32.2	-50.06	-5,872.3	2,239.9	6,682.9	6,647.8	35.10	190.382	
8,000.0	6,982.4	4,452.0	4,087.5	31.3	32.2	-50.06	-5,872.3	2,239.9	6,662.3	6,626.9	35.40	188.182	
8,070.8	6,982.1	4,460.2	4,094.5	32.1	32.3	-50.16	-5,873.6	2,243.9	6,609.8	6,573.5	36.31	182.039	
8,100.0	6,982.0	4,486.9	4,117.3	32.4	32.5	-50.50	-5,877.9	2,256.9	6,588.3	6,551.4	36.91	178.496	
8,169.3	6,981.6	4,546.0	4,168.1	33.2	33.2	-51.24	-5,887.2	2,285.7	6,537.3	6,498.9	38.35	170.473	
8,200.0	6,981.5	4,570.5	4,189.2	33.6	33.4	-51.55	-5,890.9	2,297.6	6,514.8	6,475.8	38.97	167.164	
8,267.7	6,981.1	4,580.0	4,197.4	34.5	33.5	-51.67	-5,892.4	2,302.2	6,465.3	6,425.4	39.94	161.857	
8,300.0	6,981.0	4,591.2	4,207.0	34.9	33.7	-51.81	-5,894.0	2,307.6	6,441.8	6,401.4	40.47	159.160	
8,366.1	6,980.7	4,599.5	4,214.2	35.8	33.7	-51.92	-5,895.3	2,311.7	6,394.0	6,352.5	41.44	154.280	
8,400.0	6,980.5	4,603.8	4,217.9	36.3	33.8	-51.97	-5,895.9	2,313.8	6,369.6	6,327.7	41.94	151.871	
8,464.5	6,980.2	4,611.9	4,224.8	37.2	33.9	-52.07	-5,897.1	2,317.7	6,323.4	6,280.5	42.91	147.354	
8,500.0	6,980.0	4,616.3	4,228.6	37.7	33.9	-52.13	-5,897.8	2,319.9	6,298.1	6,254.7	43.45	144.963	
8,563.0	6,979.7	4,624.1	4,235.4	38.6	34.0	-52.23	-5,898.9	2,323.7	6,253.5	6,209.1	44.42	140.796	
8,600.0	6,979.5	4,628.7	4,239.3	39.1	34.1	-52.29	-5,899.6	2,325.9	6,227.4	6,182.4	44.98	138.433	
8,661.4	6,979.2	4,636.2	4,245.8	40.1	34.1	-52.38	-5,900.7	2,329.6	6,184.3	6,138.4	45.95	134.598	
8,700.0	6,979.0	4,641.0	4,249.9	40.7	34.2	-52.44	-5,901.4	2,331.9	6,157.4	6,110.9	46.55	132.271	
8,759.8	6,978.7	4,648.3	4,256.1	41.6	34.3	-52.54	-5,902.4	2,335.5	6,116.0	6,068.5	47.50	128.747	
8,800.0	6,978.5	4,653.1	4,260.3	42.2	34.3	-52.60	-5,903.2	2,337.9	6,088.3	6,040.1	48.14	126.462	
8,858.2	6,978.2	4,660.2	4,266.4	43.1	34.4	-52.69	-5,904.2	2,341.4	6,048.4	5,999.3	49.08	123.228	
8,900.0	6,978.0	4,665.2	4,270.7	43.8	34.4	-52.75	-5,904.9	2,343.8	6,020.0	5,970.2	49.76	120.988	
8,956.7	6,977.8	4,672.0	4,276.5	44.7	34.5	-52.84	-5,905.9	2,347.2	5,981.6	5,931.0	50.68	118.023	
9,000.0	6,977.5	4,677.2	4,281.0	45.4	34.6	-52.90	-5,906.6	2,349.7	5,952.5	5,901.1	51.39	115.832	
9,055.1	6,977.3	4,683.7	4,286.6	46.3	34.6	-52.99	-5,907.6	2,353.0	5,915.8	5,863.5	52.30	113.115	
9,100.0	6,977.1	4,689.0	4,291.1	47.1	34.7	-53.06	-5,908.3	2,355.6	5,886.0	5,833.0	53.04	110.973	
9,153.5	6,976.8	4,695.3	4,296.6	48.0	34.8	-53.14	-5,909.3	2,358.7	5,850.8	5,796.8	53.93	108.485	
9,200.0	6,976.6	4,708.0	4,307.4	48.8	34.9	-53.30	-5,911.1	2,364.9	5,820.4	5,765.6	54.79	106.232	
9,251.9	6,976.3	4,708.0	4,307.4	49.7	34.9	-53.30	-5,911.1	2,364.9	5,786.7	5,731.1	55.59	104.093	
9,300.0	6,976.1	4,713.0	4,311.7	50.5	35.0	-53.36	-5,911.8	2,367.4	5,755.7	5,699.4	56.39	102.066	
9,350.4	6,975.8	4,719.6	4,317.4	51.3	35.0	-53.45	-5,912.7	2,370.7	5,723.6	5,666.3	57.26	99.966	
9,400.0	6,975.6	4,726.3	4,323.1	52.2	35.1	-53.53	-5,913.7	2,374.0	5,692.1	5,634.0	58.11	97.957	
9,448.8	6,975.3	4,733.1	4,328.9	53.1	35.2	-53.62	-5,914.7	2,377.3	5,661.4	5,602.4	58.95	96.031	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 106-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.0	6,975.1	4,740.3	4,335.1	54.0	35.2	-53.71	-5,915.8	2,380.8	5,629.5	5,569.6	59.84	94.069	
9,547.2	6,974.9	4,747.0	4,340.9	54.8	35.3	-53.80	-5,916.8	2,384.1	5,600.2	5,539.6	60.67	92.303	
9,600.0	6,974.6	4,754.8	4,347.6	55.7	35.4	-53.89	-5,918.0	2,387.9	5,567.9	5,506.3	61.60	90.387	
9,645.6	6,974.4	4,761.6	4,353.5	56.5	35.5	-53.98	-5,919.0	2,391.3	5,540.1	5,477.7	62.41	88.769	
9,700.0	6,974.1	4,770.0	4,360.6	57.5	35.6	-54.09	-5,920.3	2,395.3	5,507.4	5,444.0	63.38	86.898	
9,744.1	6,973.9	4,776.9	4,366.6	58.3	35.6	-54.18	-5,921.4	2,398.6	5,481.1	5,416.9	64.17	85.417	
9,800.0	6,973.6	4,785.8	4,374.3	59.3	35.7	-54.29	-5,922.8	2,403.0	5,448.0	5,382.8	65.18	83.591	
9,842.5	6,973.4	4,792.8	4,380.3	60.0	35.8	-54.38	-5,923.9	2,406.3	5,423.1	5,357.2	65.95	82.236	
9,900.0	6,973.1	4,802.4	4,388.6	61.1	35.9	-54.50	-5,925.5	2,410.9	5,389.8	5,322.8	66.99	80.453	
9,940.9	6,972.9	4,809.4	4,394.7	61.8	36.0	-54.59	-5,926.7	2,414.3	5,366.3	5,298.6	67.74	79.214	
10,000.0	6,972.6	4,819.8	4,403.6	62.9	36.1	-54.73	-5,928.4	2,419.2	5,332.8	5,263.9	68.83	77.474	
10,039.3	6,972.4	4,826.9	4,409.7	63.6	36.2	-54.82	-5,929.6	2,422.6	5,310.7	5,241.1	69.56	76.342	
10,100.0	6,972.1	4,838.1	4,419.4	64.7	36.3	-54.96	-5,931.4	2,427.9	5,277.0	5,206.3	70.70	74.643	
10,137.8	6,972.0	4,845.3	4,425.7	65.4	36.3	-55.05	-5,932.7	2,431.4	5,256.2	5,184.8	71.41	73.609	
10,200.0	6,971.6	4,856.9	4,435.6	66.6	36.5	-55.20	-5,934.6	2,436.9	5,222.4	5,149.9	72.58	71.959	
10,236.2	6,971.5	4,863.4	4,441.3	67.2	36.5	-55.28	-5,935.7	2,440.0	5,203.0	5,129.8	73.25	71.026	
10,300.0	6,971.2	4,874.5	4,450.8	68.4	36.7	-55.42	-5,937.4	2,445.3	5,169.2	5,094.8	74.45	69.433	
10,334.6	6,971.0	4,880.3	4,455.9	69.0	36.7	-55.50	-5,938.4	2,448.1	5,151.1	5,076.0	75.10	68.593	
10,400.0	6,970.7	4,891.0	4,465.0	70.2	36.8	-55.64	-5,940.0	2,453.2	5,117.3	5,041.0	76.32	67.054	
10,433.0	6,970.5	4,896.2	4,469.5	70.9	36.9	-55.70	-5,940.8	2,455.7	5,100.5	5,023.5	76.93	66.297	
10,500.0	6,970.2	4,906.4	4,478.4	72.1	37.0	-55.83	-5,942.4	2,460.7	5,066.8	4,988.7	78.18	64.810	
10,531.5	6,970.0	4,911.1	4,482.4	72.7	37.0	-55.89	-5,943.1	2,462.9	5,051.2	4,972.5	78.77	64.130	
10,600.0	6,969.7	4,920.9	4,490.9	74.0	37.1	-56.02	-5,944.5	2,467.7	5,017.8	4,937.7	80.04	62.692	
10,629.9	6,969.5	4,925.1	4,494.5	74.5	37.2	-56.07	-5,945.1	2,469.8	5,003.4	4,922.8	80.59	62.082	
10,700.0	6,969.2	4,934.6	4,502.6	75.8	37.3	-56.20	-5,946.5	2,474.4	4,970.2	4,888.3	81.89	60.692	
10,728.3	6,969.0	4,938.4	4,505.9	76.4	37.3	-56.25	-5,947.0	2,476.2	4,957.0	4,874.6	82.42	60.145	
10,800.0	6,968.7	4,947.5	4,513.7	77.7	37.4	-56.36	-5,948.3	2,480.7	4,924.2	4,840.5	83.74	58.801	
10,826.7	6,968.6	4,950.9	4,516.6	78.2	37.5	-56.41	-5,948.7	2,482.4	4,912.2	4,827.9	84.24	58.312	
10,900.0	6,968.2	4,959.7	4,524.2	79.6	37.5	-56.52	-5,949.9	2,486.7	4,879.8	4,794.2	85.59	57.012	
10,925.2	6,968.1	4,965.0	4,528.8	80.1	37.6	-56.59	-5,950.7	2,489.4	4,868.8	4,782.7	86.09	56.555	
11,000.0	6,967.7	4,975.8	4,538.0	81.5	37.7	-56.73	-5,952.1	2,494.7	4,836.9	4,749.4	87.50	55.279	
11,023.6	6,967.6	4,980.4	4,542.0	81.9	37.8	-56.79	-5,952.7	2,497.0	4,827.1	4,739.1	87.96	54.875	
11,100.0	6,967.2	4,995.2	4,554.7	83.4	37.9	-56.98	-5,954.6	2,504.3	4,795.8	4,706.3	89.47	53.605	
11,122.0	6,967.1	4,999.4	4,558.3	83.8	38.0	-57.03	-5,955.2	2,506.3	4,786.9	4,697.0	89.90	53.248	
11,200.0	6,966.7	5,014.3	4,571.1	85.3	38.1	-57.23	-5,957.1	2,513.7	4,756.3	4,664.9	91.43	52.019	
11,220.4	6,966.6	5,018.1	4,574.5	85.7	38.2	-57.28	-5,957.6	2,515.6	4,748.5	4,656.6	91.84	51.705	
11,300.0	6,966.2	5,033.1	4,587.3	87.2	38.3	-57.47	-5,959.6	2,522.9	4,718.6	4,625.2	93.41	50.516	
11,318.9	6,966.1	5,036.6	4,590.4	87.5	38.3	-57.52	-5,960.0	2,524.7	4,711.7	4,617.9	93.78	50.241	
11,400.0	6,965.7	5,051.6	4,603.3	89.1	38.5	-57.71	-5,962.0	2,532.0	4,682.6	4,587.3	95.38	49.092	
11,417.3	6,965.6	5,054.8	4,606.0	89.4	38.5	-57.75	-5,962.4	2,533.6	4,676.6	4,580.9	95.73	48.853	
11,500.0	6,965.2	5,069.9	4,619.1	91.0	38.7	-57.95	-5,964.3	2,541.0	4,648.5	4,551.1	97.37	47.743	
11,515.7	6,965.2	5,072.8	4,621.5	91.3	38.7	-57.98	-5,964.7	2,542.4	4,643.3	4,545.6	97.68	47.537	
11,600.0	6,964.7	5,087.9	4,634.6	92.9	38.9	-58.18	-5,966.6	2,549.8	4,616.3	4,516.9	99.35	46.465	
11,614.1	6,964.7	5,090.5	4,636.8	93.2	38.9	-58.21	-5,966.9	2,551.0	4,611.9	4,512.2	99.63	46.289	
11,700.0	6,964.3	5,110.8	4,654.3	94.8	39.1	-58.48	-5,969.5	2,560.9	4,585.9	4,484.5	101.41	45.219	
11,712.6	6,964.2	5,114.0	4,657.1	95.1	39.1	-58.52	-5,969.9	2,562.5	4,582.2	4,480.5	101.68	45.065	
11,800.0	6,963.8	5,136.9	4,676.9	96.7	39.4	-58.82	-5,972.8	2,573.6	4,557.5	4,453.9	103.54	44.017	
11,811.0	6,963.7	5,139.8	4,679.5	97.0	39.4	-58.85	-5,973.2	2,575.0	4,554.5	4,450.7	103.77	43.888	
11,900.0	6,963.3	5,163.9	4,700.3	98.7	39.6	-59.17	-5,976.4	2,586.6	4,531.0	4,425.3	105.69	42.872	
11,909.4	6,963.2	5,166.5	4,702.6	98.9	39.7	-59.20	-5,976.7	2,587.8	4,528.6	4,422.7	105.89	42.767	
12,000.0	6,962.8	5,191.8	4,724.6	100.6	39.9	-59.53	-5,980.1	2,599.9	4,506.5	4,398.7	107.86	41.783	
12,007.8	6,962.7	5,194.0	4,726.5	100.7	40.0	-59.56	-5,980.4	2,601.0	4,504.7	4,396.7	108.03	41.699	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 106-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
12,100.0	6,962.3	5,220.6	4,749.7	102.5	40.2	-59.90	-5,984.0	2,613.6	4,484.1	4,374.0	110.05	40.746		
12,106.3	6,962.2	5,222.0	4,750.9	102.6	40.2	-59.92	-5,984.1	2,614.2	4,482.7	4,372.5	110.18	40.685		
12,200.0	6,961.8	5,232.7	4,760.2	104.5	40.3	-60.06	-5,985.6	2,619.3	4,463.7	4,351.7	111.99	39.859		
12,204.7	6,961.8	5,233.3	4,760.7	104.5	40.3	-60.07	-5,985.7	2,619.5	4,462.8	4,350.7	112.08	39.819		
12,300.0	6,961.3	5,244.1	4,770.2	106.4	40.5	-60.21	-5,987.2	2,624.7	4,445.4	4,331.5	112.92	39.024		
12,303.1	6,961.3	5,244.5	4,770.5	106.4	40.5	-60.21	-5,987.2	2,624.8	4,444.9	4,330.9	113.98	38.998		
12,400.0	6,960.8	5,255.8	4,780.3	108.3	40.6	-60.36	-5,988.8	2,630.2	4,429.3	4,313.4	115.85	38.232		
12,401.5	6,960.8	5,256.0	4,780.5	108.3	40.6	-60.36	-5,988.8	2,630.2	4,429.0	4,313.2	115.88	38.220		
12,500.0	6,960.3	5,267.6	4,790.6	110.3	40.7	-60.51	-5,990.5	2,635.7	4,415.3	4,297.5	117.80	37.482		
12,598.4	6,959.8	5,279.5	4,800.9	112.2	40.8	-60.66	-5,992.1	2,641.3	4,403.7	4,284.0	119.72	36.783		
12,600.0	6,959.8	5,279.7	4,801.1	112.2	40.8	-60.67	-5,992.2	2,641.4	4,403.5	4,283.8	119.75	36.772		
12,696.8	6,959.3	5,291.6	4,811.4	114.1	40.9	-60.82	-5,993.9	2,647.0	4,394.3	4,272.6	121.65	36.121		
12,700.0	6,959.3	5,291.9	4,811.8	114.1	40.9	-60.83	-5,993.9	2,647.2	4,394.0	4,272.3	121.71	36.101		
12,795.2	6,958.8	5,303.8	4,822.1	116.0	41.1	-60.98	-5,995.6	2,652.8	4,387.0	4,263.4	123.59	35.496		
12,800.0	6,958.8	5,304.4	4,822.6	116.1	41.1	-60.99	-5,995.7	2,653.1	4,386.7	4,263.0	123.69	35.466		
12,893.7	6,958.3	5,316.4	4,833.0	117.9	41.2	-61.14	-5,997.4	2,658.7	4,381.8	4,256.3	125.54	34.904		
12,900.0	6,958.3	5,317.2	4,833.7	118.0	41.2	-61.15	-5,997.6	2,659.1	4,381.5	4,255.9	125.66	34.867		
12,992.1	6,957.9	5,329.1	4,844.1	119.8	41.3	-61.31	-5,999.3	2,664.8	4,378.8	4,251.3	127.49	34.345		
13,000.0	6,957.8	5,330.1	4,845.0	120.0	41.3	-61.32	-5,999.4	2,665.3	4,378.7	4,251.0	127.65	34.302		
13,078.0	6,957.4	5,340.4	4,853.9	121.5	41.4	-61.45	-6,001.0	2,670.1	4,378.0	4,248.8	129.21	33.883 CC		
13,090.5	6,957.4	5,342.1	4,855.3	121.7	41.5	-61.48	-6,001.2	2,670.9	4,378.0	4,248.6	129.46	33.818		
13,100.0	6,957.3	5,343.3	4,856.4	121.9	41.5	-61.49	-6,001.4	2,671.5	4,378.1	4,248.4	129.65	33.769		
13,188.9	6,956.9	5,355.4	4,866.9	123.6	41.6	-61.65	-6,003.2	2,677.2	4,379.4	4,247.9	131.43	33.321 ES		
13,200.0	6,956.8	5,356.9	4,868.2	123.9	41.6	-61.67	-6,003.4	2,677.9	4,379.7	4,248.0	131.65	33.266		
13,287.4	6,956.4	5,368.8	4,878.6	125.6	41.7	-61.82	-6,005.2	2,683.5	4,382.9	4,249.5	133.41	32.852		
13,300.0	6,956.3	5,370.5	4,880.1	125.8	41.8	-61.84	-6,005.4	2,684.4	4,383.5	4,249.8	133.67	32.794		
13,385.8	6,955.9	5,382.2	4,890.2	127.5	41.9	-62.00	-6,007.2	2,689.9	4,388.6	4,253.2	135.40	32.412		
13,400.0	6,955.8	5,384.1	4,891.9	127.8	41.9	-62.02	-6,007.5	2,690.8	4,389.6	4,253.9	135.69	32.351		
13,484.2	6,955.4	5,395.5	4,901.7	129.4	42.0	-62.17	-6,009.1	2,696.1	4,396.4	4,259.1	137.39	32.001		
13,500.0	6,955.3	5,397.6	4,903.6	129.7	42.0	-62.20	-6,009.4	2,697.1	4,397.9	4,260.2	137.71	31.937		
13,582.6	6,954.9	5,408.7	4,913.2	131.3	42.1	-62.34	-6,011.1	2,702.4	4,406.4	4,267.1	139.38	31.615		
13,600.0	6,954.8	5,411.0	4,915.2	131.7	42.2	-62.37	-6,011.4	2,703.5	4,408.4	4,268.7	139.73	31.550		
13,681.1	6,954.4	5,421.8	4,924.6	133.2	42.3	-62.51	-6,013.0	2,708.6	4,418.5	4,277.2	141.37	31.255		
13,700.0	6,954.3	5,424.3	4,926.8	133.6	42.3	-62.54	-6,013.4	2,709.8	4,421.1	4,279.4	141.75	31.189		
13,779.5	6,953.9	5,434.9	4,935.9	135.2	42.4	-62.68	-6,014.9	2,714.8	4,432.8	4,289.4	143.36	30.920		
13,800.0	6,953.8	5,437.6	4,938.3	135.6	42.4	-62.71	-6,015.3	2,716.1	4,436.0	4,292.2	143.78	30.853		
13,877.9	6,953.5	5,447.8	4,947.2	137.1	42.6	-62.85	-6,016.8	2,720.9	4,449.1	4,303.7	145.36	30.607		
13,900.0	6,953.3	5,450.7	4,949.7	137.5	42.6	-62.88	-6,017.2	2,722.3	4,453.0	4,307.2	145.81	30.540		
13,976.3	6,953.0	5,460.7	4,958.4	139.0	42.7	-63.01	-6,018.7	2,727.0	4,467.5	4,320.1	147.36	30.316		
14,000.0	6,952.8	5,463.8	4,961.1	139.5	42.7	-63.05	-6,019.1	2,728.5	4,472.2	4,324.4	147.84	30.249		
14,074.8	6,952.5	5,473.5	4,969.5	140.9	42.8	-63.18	-6,020.5	2,733.1	4,487.9	4,338.6	149.37	30.046		
14,100.0	6,952.4	5,479.0	4,974.3	141.4	42.9	-63.25	-6,021.3	2,735.7	4,493.5	4,343.6	149.92	29.973		
14,170.4	6,952.0	5,479.0	4,974.3	142.8	42.9	-63.25	-6,021.3	2,735.7	4,509.7	4,358.6	151.13	29.840 SF		

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 128-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	169.65	-5,114.8	934.3	5,199.5				
98.4	98.4	128.0	128.0	0.1	0.1	169.65	-5,114.3	934.3	5,199.1	5,198.9	0.17	N/A	
100.0	100.0	128.0	128.0	0.1	0.1	169.65	-5,114.3	934.3	5,199.1	5,198.9	0.17	N/A	
196.8	196.8	593.7	592.6	0.3	1.2	169.46	-5,089.9	947.3	5,193.3	5,191.8	1.47	3,523.064	
200.0	200.0	728.0	725.6	0.3	1.6	169.31	-5,075.5	958.3	5,193.0	5,191.2	1.84	2,826.000	
295.3	295.3	780.4	777.4	0.5	1.8	169.24	-5,069.2	963.6	5,183.5	5,181.4	2.19	2,370.624	
300.0	300.0	782.8	779.7	0.5	1.8	169.23	-5,068.9	963.8	5,183.1	5,180.9	2.20	2,352.365	
393.7	393.7	856.0	852.0	0.8	2.0	169.12	-5,060.7	972.7	5,174.7	5,172.1	2.60	1,990.464	
400.0	400.0	856.0	852.0	0.8	2.0	169.12	-5,060.7	972.7	5,174.2	5,171.6	2.61	1,979.464	
492.1	492.1	887.0	882.5	1.0	2.2	169.07	-5,057.4	977.0	5,166.6	5,163.7	2.90	1,782.069	
500.0	500.0	892.0	887.4	1.0	2.2	169.06	-5,056.9	977.8	5,166.0	5,163.1	2.93	1,763.380	
590.5	590.5	949.9	944.2	1.2	2.4	168.94	-5,050.8	987.0	5,159.3	5,156.0	3.28	1,574.289	
600.0	600.0	955.9	950.1	1.2	2.4	168.93	-5,050.2	988.0	5,158.6	5,155.3	3.31	1,556.935	
689.0	689.0	1,011.6	1,004.5	1.4	2.6	168.81	-5,044.4	998.3	5,152.7	5,149.0	3.65	1,410.769	
700.0	700.0	1,018.4	1,011.2	1.4	2.7	168.79	-5,043.8	999.7	5,152.0	5,148.3	3.69	1,394.573	
787.4	787.4	1,072.1	1,063.5	1.6	2.9	168.66	-5,038.4	1,010.7	5,146.8	5,142.8	4.03	1,278.652	
800.0	800.0	1,079.8	1,071.0	1.7	2.9	168.64	-5,037.6	1,012.3	5,146.1	5,142.0	4.07	1,263.569	
885.8	885.8	1,134.5	1,124.0	1.9	3.2	168.49	-5,032.4	1,024.5	5,141.7	5,137.3	4.40	1,168.428	
900.0	900.0	1,144.2	1,133.4	1.9	3.2	168.47	-5,031.5	1,026.8	5,141.0	5,136.5	4.46	1,153.709	
984.2	984.2	1,201.7	1,189.0	2.1	3.5	168.31	-5,026.1	1,040.2	5,137.2	5,132.4	4.79	1,073.561	
1,000.0	1,000.0	1,212.4	1,199.4	2.1	3.6	168.28	-5,025.2	1,042.8	5,136.6	5,131.7	4.85	1,059.837	
1,082.7	1,082.7	1,378.8	1,360.0	2.3	4.4	-114.96	-5,009.0	1,083.1	5,133.4	5,126.9	6.52	787.200	
1,100.0	1,100.0	1,396.1	1,376.7	2.3	4.5	-115.03	-5,007.1	1,087.3	5,132.7	5,126.0	6.65	772.099	
1,181.1	1,181.0	1,476.8	1,454.5	2.5	4.9	-115.36	-4,998.3	1,107.1	5,129.8	5,122.6	7.23	709.055	
1,200.0	1,199.8	1,495.5	1,472.4	2.5	5.0	-115.44	-4,996.3	1,111.7	5,129.3	5,121.9	7.37	695.902	
1,279.5	1,279.1	1,627.0	1,599.0	2.7	5.7	-115.96	-4,980.6	1,143.8	5,126.9	5,118.7	8.23	622.889	
1,300.0	1,299.5	1,627.0	1,599.0	2.8	5.7	-115.97	-4,980.6	1,143.8	5,126.5	5,118.3	8.28	619.472	
1,377.9	1,376.9	1,694.3	1,663.9	3.0	6.0	-116.25	-4,972.5	1,159.7	5,125.6	5,116.8	8.78	583.959	
1,378.2	1,377.1	1,694.5	1,664.0	3.0	6.0	-116.25	-4,972.5	1,159.7	5,125.6	5,116.8	8.78	583.879	
1,400.0	1,398.7	1,704.8	1,674.1	3.0	6.0	-116.29	-4,971.4	1,162.1	5,125.6	5,116.7	8.88	577.321	
1,476.4	1,474.2	1,755.0	1,722.6	3.2	6.3	-116.48	-4,966.1	1,173.5	5,126.9	5,117.6	9.31	550.508	
1,500.0	1,497.5	1,755.0	1,722.6	3.3	6.3	-116.47	-4,966.1	1,173.5	5,127.5	5,118.1	9.37	547.014	
1,574.8	1,571.0	1,822.2	1,787.8	3.5	6.6	-116.72	-4,959.3	1,188.7	5,130.5	5,120.5	9.92	517.336	
1,600.0	1,595.6	1,846.6	1,811.3	3.6	6.7	-116.81	-4,956.8	1,194.3	5,131.7	5,121.6	10.11	507.703	
1,673.2	1,667.0	1,930.1	1,892.1	3.9	7.1	-117.15	-4,948.2	1,213.6	5,135.8	5,125.1	10.76	477.266	
1,700.0	1,693.1	1,966.0	1,926.9	4.0	7.3	-117.30	-4,944.3	1,221.8	5,137.5	5,126.5	11.03	465.872	
1,735.7	1,727.6	2,012.0	1,971.4	4.1	7.5	-117.49	-4,939.3	1,232.3	5,139.9	5,128.5	11.39	451.456	
1,771.6	1,762.4	2,012.0	1,971.4	4.3	7.5	-117.49	-4,939.3	1,232.3	5,142.5	5,131.0	11.53	446.117	
1,800.0	1,789.8	2,049.2	2,007.4	4.4	7.7	-117.68	-4,935.3	1,240.7	5,144.6	5,132.8	11.81	435.471	
1,870.1	1,857.6	2,088.9	2,045.9	4.7	7.9	-117.88	-4,931.1	1,249.7	5,150.1	5,137.8	12.29	419.069	
1,900.0	1,886.6	2,105.9	2,062.4	4.8	8.0	-117.97	-4,929.4	1,253.5	5,152.6	5,140.1	12.49	412.470	
1,968.5	1,952.8	2,288.5	2,239.2	5.2	8.9	-118.90	-4,909.6	1,294.4	5,158.3	5,144.6	13.65	377.803	
2,000.0	1,983.3	2,317.1	2,266.9	5.3	9.0	-119.04	-4,906.1	1,300.6	5,160.4	5,146.5	13.92	370.683	
2,066.9	2,048.0	2,378.2	2,326.1	5.6	9.3	-119.34	-4,898.7	1,313.6	5,165.1	5,150.6	14.50	356.227	
2,100.0	2,080.0	2,397.0	2,344.4	5.8	9.4	-119.44	-4,896.5	1,317.5	5,167.4	5,152.7	14.73	350.770	
2,165.3	2,143.2	2,448.0	2,393.9	6.1	9.6	-119.69	-4,890.5	1,328.0	5,172.3	5,157.0	15.25	339.173	
2,200.0	2,176.7	2,470.7	2,416.0	6.3	9.7	-119.80	-4,887.9	1,332.7	5,175.0	5,159.5	15.50	333.769	
2,263.8	2,238.4	2,526.0	2,469.7	6.6	10.0	-120.07	-4,881.7	1,344.1	5,180.3	5,164.3	16.04	322.989	
2,300.0	2,273.4	2,526.0	2,469.7	6.8	10.0	-120.07	-4,881.7	1,344.1	5,183.4	5,167.2	16.20	319.906	
2,362.2	2,333.6	2,567.1	2,509.7	7.1	10.2	-120.27	-4,877.3	1,352.6	5,189.1	5,172.4	16.67	311.267	
2,400.0	2,370.2	2,587.2	2,529.2	7.3	10.2	-120.36	-4,875.3	1,356.7	5,192.7	5,175.8	16.93	306.668	
2,460.6	2,428.8	2,619.3	2,560.5	7.6	10.4	-120.52	-4,872.1	1,363.3	5,198.9	5,181.5	17.36	299.549	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design SE SE SEC. 18 T4N R64W 6th P.M. - NEI C18-21D - Wellbore #1 - Wellbore #1													Offset Site Error: 0.0 usft	
Survey Program: 128-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,500.0	2,466.9	2,654.0	2,594.3	7.8	10.5	-120.69	-4,868.8	1,370.5	5,203.1	5,185.4	17.69	294.110		
2,559.0	2,524.0	2,686.9	2,626.4	8.1	10.7	-120.84	-4,865.8	1,377.2	5,209.5	5,191.4	18.11	287.720		
2,600.0	2,563.6	2,728.0	2,666.5	8.3	10.9	-121.04	-4,862.1	1,385.4	5,214.1	5,195.6	18.47	282.280		
2,657.5	2,619.2	2,786.9	2,724.0	8.6	11.1	-121.31	-4,856.8	1,396.9	5,220.6	5,201.6	18.99	274.930		
2,700.0	2,660.3	2,840.9	2,776.8	8.8	11.3	-121.56	-4,851.9	1,407.0	5,225.3	5,205.9	19.40	269.373		
2,755.9	2,714.4	2,912.9	2,847.4	9.1	11.6	-121.87	-4,845.6	1,419.4	5,231.5	5,211.5	19.94	262.355		
2,800.0	2,757.0	2,978.5	2,912.0	9.4	11.9	-122.15	-4,839.9	1,429.5	5,236.2	5,215.9	20.37	257.068		
2,854.3	2,809.6	3,039.0	2,971.8	9.6	12.1	-122.39	-4,834.8	1,437.5	5,241.9	5,221.1	20.83	251.658		
2,900.0	2,853.8	3,071.3	3,003.8	9.9	12.2	-122.51	-4,832.3	1,441.3	5,246.8	5,225.6	21.13	248.354		
2,952.7	2,904.8	3,100.1	3,032.3	10.2	12.2	-122.62	-4,830.4	1,444.1	5,252.6	5,231.2	21.45	244.901		
3,000.0	2,950.5	3,126.1	3,058.2	10.4	12.3	-122.71	-4,828.8	1,446.4	5,258.1	5,236.3	21.74	241.899		
3,051.2	3,000.0	3,168.0	3,100.0	10.7	12.4	-122.84	-4,826.8	1,449.4	5,264.2	5,242.1	22.08	238.365		
3,100.0	3,047.2	3,168.0	3,100.0	10.9	12.4	-122.84	-4,826.8	1,449.4	5,270.3	5,248.0	22.32	236.167		
3,149.6	3,095.2	3,206.1	3,137.9	11.2	12.5	-122.95	-4,825.5	1,451.4	5,276.6	5,254.0	22.61	233.358		
3,200.0	3,143.9	3,232.0	3,163.9	11.5	12.5	-123.03	-4,824.8	1,452.5	5,283.3	5,260.5	22.89	230.794		
3,248.0	3,190.4	3,256.9	3,188.8	11.7	12.6	-123.10	-4,824.4	1,453.4	5,290.0	5,266.8	23.16	228.410		
3,300.0	3,240.6	3,296.0	3,227.8	12.0	12.6	-123.20	-4,824.1	1,454.3	5,297.4	5,273.9	23.47	225.719		
3,346.4	3,285.6	3,325.7	3,257.5	12.3	12.7	-123.27	-4,824.1	1,454.7	5,304.2	5,280.4	23.73	223.560		
3,400.0	3,337.4	3,393.7	3,325.5	12.5	12.8	-123.44	-4,823.8	1,455.7	5,311.9	5,287.8	24.06	220.761		
3,444.9	3,380.8	3,441.6	3,373.3	12.8	12.8	-123.56	-4,823.5	1,456.3	5,318.3	5,294.0	24.33	218.578		
3,500.0	3,434.1	3,487.7	3,419.5	13.1	12.9	-123.67	-4,823.3	1,456.7	5,326.2	5,301.6	24.65	216.113		
3,543.3	3,476.0	3,523.9	3,455.7	13.3	12.9	-123.75	-4,823.3	1,456.9	5,332.5	5,307.6	24.89	214.221		
3,600.0	3,530.8	3,553.0	3,484.8	13.6	13.0	-123.82	-4,823.3	1,457.1	5,340.9	5,315.7	25.20	211.980		
3,641.7	3,571.2	3,599.2	3,531.0	13.8	13.0	-123.93	-4,823.4	1,457.2	5,347.1	5,321.6	25.44	210.169		
3,700.0	3,627.5	3,641.4	3,573.2	14.2	13.1	-124.02	-4,823.7	1,457.4	5,355.9	5,330.2	25.76	207.893		
3,740.1	3,666.4	3,681.0	3,612.8	14.4	13.1	-124.11	-4,824.0	1,457.5	5,362.2	5,336.2	26.00	206.276		
3,800.0	3,724.2	3,729.7	3,661.5	14.7	13.2	-124.22	-4,824.5	1,457.5	5,371.5	5,345.2	26.32	204.049		
3,838.6	3,761.6	3,771.4	3,703.2	14.9	13.2	-124.31	-4,825.1	1,457.3	5,377.5	5,350.9	26.55	202.570		
3,900.0	3,821.0	3,866.7	3,798.4	15.2	13.3	-124.51	-4,826.2	1,456.0	5,386.9	5,360.0	26.92	200.080		
3,937.0	3,856.8	3,938.0	3,869.8	15.4	13.4	-124.66	-4,826.5	1,455.2	5,392.3	5,365.1	27.16	198.521		
4,000.0	3,917.7	3,986.8	3,918.5	15.8	13.4	-124.77	-4,826.5	1,454.6	5,401.4	5,373.9	27.50	196.385		
4,035.4	3,951.9	4,012.4	3,944.1	16.0	13.5	-124.82	-4,826.7	1,454.2	5,406.6	5,378.9	27.69	195.221		
4,100.0	4,014.4	4,066.0	3,997.7	16.3	13.5	-124.93	-4,827.2	1,453.1	5,416.2	5,388.2	28.05	193.106		
4,133.8	4,047.1	4,086.7	4,018.4	16.5	13.5	-124.97	-4,827.4	1,452.6	5,421.3	5,393.1	28.23	192.075		
4,200.0	4,111.1	4,142.9	4,074.7	16.9	13.6	-125.08	-4,828.2	1,451.4	5,431.5	5,402.9	28.58	190.024		
4,232.3	4,142.3	4,169.0	4,100.7	17.0	13.6	-125.13	-4,828.6	1,450.8	5,436.4	5,407.7	28.76	189.050		
4,300.0	4,207.8	4,254.6	4,186.2	17.4	13.7	-125.30	-4,829.7	1,449.2	5,446.9	5,417.7	29.15	186.838		
4,330.7	4,237.5	4,303.1	4,234.8	17.6	13.8	-125.40	-4,830.0	1,448.6	5,451.5	5,422.2	29.34	185.787		
4,400.0	4,304.6	4,392.2	4,323.8	17.9	13.9	-125.58	-4,830.1	1,447.5	5,461.7	5,431.9	29.75	183.577		
4,429.1	4,332.7	4,427.8	4,359.5	18.1	13.9	-125.65	-4,830.2	1,446.6	5,465.9	5,436.0	29.92	182.673		
4,500.0	4,401.3	4,489.8	4,421.5	18.5	14.0	-125.76	-4,830.6	1,444.7	5,476.1	5,445.8	30.31	180.676		
4,527.5	4,427.9	4,510.2	4,441.8	18.6	14.0	-125.80	-4,830.8	1,444.0	5,480.2	5,449.7	30.46	179.940		
4,600.0	4,498.0	4,563.7	4,495.3	19.0	14.0	-125.90	-4,831.3	1,442.4	5,491.0	5,460.1	30.84	178.045		
4,626.0	4,523.1	4,606.3	4,537.9	19.2	14.1	-125.98	-4,831.8	1,441.1	5,494.9	5,463.9	31.00	177.248		
4,700.0	4,594.7	4,708.0	4,639.5	19.6	14.2	-126.18	-4,831.3	1,439.2	5,505.1	5,473.7	31.45	175.059		
4,724.4	4,618.3	4,746.3	4,677.8	19.7	14.2	-126.26	-4,830.7	1,438.7	5,508.4	5,476.8	31.60	174.290		
4,800.0	4,691.5	4,780.9	4,712.5	20.1	14.3	-126.34	-4,830.5	1,438.4	5,519.3	5,487.3	32.00	172.474		
4,822.8	4,713.5	4,791.4	4,722.9	20.2	14.3	-126.36	-4,830.5	1,438.3	5,522.7	5,490.5	32.12	171.938		
4,900.0	4,788.2	4,837.0	4,768.5	20.7	14.4	-126.45	-4,830.7	1,438.0	5,534.5	5,502.0	32.54	170.110		
4,921.2	4,808.7	4,965.0	4,896.5	20.8	14.5	-126.73	-4,829.9	1,437.7	5,537.9	5,505.1	32.79	168.909		
5,000.0	4,884.9	5,002.0	4,933.5	21.2	14.6	-126.81	-4,829.3	1,437.7	5,548.9	5,515.7	33.20	167.117		
5,019.7	4,903.9	5,010.7	4,942.2	21.3	14.6	-126.83	-4,829.2	1,437.8	5,551.8	5,518.5	33.31	166.683		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 128-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	4,981.6	5,046.4	4,977.9	21.8	14.7	-126.90	-4,828.9	1,437.9	5,563.9	5,530.1	33.73	164.949	
5,118.1	4,999.1	5,054.4	4,985.9	21.8	14.7	-126.92	-4,828.9	1,437.9	5,566.7	5,532.8	33.83	164.567	
5,200.0	5,078.3	5,094.0	5,025.5	22.3	14.7	-127.01	-4,829.1	1,438.0	5,579.8	5,545.5	34.26	162.859	
5,216.5	5,094.3	5,104.0	5,035.6	22.4	14.8	-127.03	-4,829.1	1,438.1	5,582.5	5,548.2	34.35	162.511	
5,300.0	5,175.1	5,195.9	5,127.4	22.8	14.9	-127.22	-4,829.7	1,438.6	5,596.2	5,561.3	34.86	160.551	
5,314.9	5,189.5	5,212.3	5,143.8	22.9	14.9	-127.26	-4,829.7	1,438.6	5,598.6	5,563.7	34.95	160.206	
5,400.0	5,271.8	5,285.4	5,216.9	23.4	15.0	-127.41	-4,830.1	1,439.0	5,612.6	5,577.2	35.43	158.397	
5,413.4	5,284.7	5,296.5	5,228.0	23.5	15.0	-127.43	-4,830.2	1,439.0	5,614.8	5,579.3	35.51	158.119	
5,500.0	5,368.5	5,373.2	5,304.7	23.9	15.2	-127.59	-4,830.9	1,439.1	5,629.3	5,593.3	36.01	156.332	
5,511.8	5,379.9	5,385.4	5,316.9	24.0	15.2	-127.62	-4,831.0	1,439.2	5,631.3	5,595.2	36.08	156.083	
5,600.0	5,465.2	5,476.7	5,408.2	24.5	15.3	-127.81	-4,831.7	1,439.5	5,646.0	5,609.4	36.60	154.258	
5,610.2	5,475.1	5,487.0	5,418.5	24.5	15.3	-127.83	-4,831.8	1,439.6	5,647.7	5,611.1	36.66	154.051	
5,647.2	5,510.9	5,524.0	5,455.5	24.7	15.4	-127.91	-4,832.0	1,439.8	5,653.9	5,617.0	36.88	153.309	
5,700.0	5,562.1	5,577.1	5,508.6	25.0	15.5	-128.15	-4,832.4	1,439.9	5,662.4	5,625.3	37.16	152.392	
5,708.6	5,570.5	5,585.9	5,517.4	25.0	15.5	-128.18	-4,832.5	1,439.9	5,663.8	5,626.6	37.20	152.272	
5,800.0	5,659.6	5,660.3	5,591.8	25.3	15.6	-128.52	-4,833.2	1,439.9	5,677.0	5,639.5	37.58	151.084	
5,807.1	5,666.6	5,665.6	5,597.1	25.4	15.6	-128.54	-4,833.2	1,439.9	5,678.0	5,640.4	37.60	151.004	
5,900.0	5,757.9	5,736.0	5,667.5	25.7	15.7	-128.83	-4,834.1	1,440.1	5,689.9	5,652.0	37.95	149.943	
5,905.5	5,763.3	5,736.0	5,667.5	25.7	15.7	-128.84	-4,834.1	1,440.1	5,690.6	5,652.6	37.96	149.909	
6,000.0	5,856.7	5,817.9	5,749.3	26.0	15.8	-129.10	-4,835.2	1,440.7	5,701.0	5,662.7	38.30	148.870	
6,003.9	5,860.6	5,821.1	5,752.6	26.0	15.8	-129.11	-4,835.2	1,440.7	5,701.4	5,663.1	38.31	148.833	
6,100.0	5,956.1	5,954.8	5,886.2	26.2	16.1	-129.37	-4,836.9	1,442.0	5,710.0	5,671.3	38.69	147.594	
6,102.3	5,958.4	5,959.7	5,891.1	26.2	16.1	-129.37	-4,836.9	1,442.0	5,710.1	5,671.4	38.70	147.557	
6,200.0	6,055.7	6,068.3	5,999.7	26.4	16.2	-129.53	-4,837.6	1,442.4	5,715.9	5,676.9	39.02	146.502	
6,200.8	6,056.5	6,069.0	6,000.4	26.4	16.2	-129.53	-4,837.6	1,442.4	5,715.9	5,676.9	39.02	146.496	
6,299.2	6,154.8	6,208.1	6,139.5	26.5	16.5	-129.65	-4,837.8	1,443.8	5,719.5	5,680.1	39.36	145.301	
6,300.0	6,155.6	6,209.7	6,141.2	26.5	16.5	-129.65	-4,837.8	1,443.9	5,719.5	5,680.1	39.37	145.288	
6,382.9	6,238.5	6,403.4	6,334.8	26.6	16.8	152.98	-4,834.7	1,445.6	5,719.3	5,679.6	39.74	143.902	
6,397.6	6,253.2	6,416.9	6,348.3	26.6	16.8	152.97	-4,834.4	1,445.7	5,719.0	5,679.2	39.79	143.746	
6,400.0	6,255.6	6,419.1	6,350.5	26.6	16.9	152.97	-4,834.4	1,445.7	5,719.0	5,679.2	39.79	143.721	
6,412.9	6,268.5	6,430.9	6,362.4	26.6	16.9	152.97	-4,834.1	1,445.7	5,718.7	5,678.9	39.83	143.580	
6,450.0	6,305.6	6,465.0	6,396.4	26.7	16.9	-27.30	-4,833.3	1,445.9	5,717.2	5,677.4	39.86	143.437	
6,496.0	6,351.5	6,506.0	6,437.4	26.7	17.0	-27.48	-4,832.4	1,446.2	5,713.0	5,673.3	39.72	143.826	
6,500.0	6,355.4	6,506.0	6,437.4	26.7	17.0	-27.50	-4,832.4	1,446.2	5,712.5	5,672.8	39.70	143.903	
6,550.0	6,404.8	6,542.8	6,474.2	26.7	17.1	-27.82	-4,831.6	1,446.4	5,704.8	5,665.4	39.37	144.905	
6,594.5	6,448.1	6,572.1	6,503.5	26.8	17.1	-28.21	-4,831.1	1,446.5	5,695.5	5,656.6	38.95	146.241	
6,600.0	6,453.5	6,575.7	6,507.1	26.8	17.1	-28.27	-4,831.1	1,446.5	5,694.2	5,655.3	38.88	146.438	
6,650.0	6,501.3	6,608.1	6,539.5	26.8	17.2	-28.85	-4,830.7	1,446.6	5,680.8	5,642.5	38.26	148.486	
6,692.9	6,541.4	6,634.0	6,565.4	26.8	17.2	-29.47	-4,830.4	1,446.6	5,667.0	5,629.4	37.62	150.658	
6,700.0	6,548.0	6,634.0	6,565.4	26.8	17.2	-29.57	-4,830.4	1,446.6	5,664.6	5,627.1	37.49	151.083	
6,750.0	6,593.3	6,670.9	6,602.3	26.8	17.3	-30.47	-4,830.2	1,446.6	5,645.6	5,609.0	36.63	154.133	
6,791.3	6,629.6	6,695.9	6,627.2	26.8	17.3	-31.35	-4,830.1	1,446.6	5,628.0	5,592.2	35.84	157.045	
6,800.0	6,637.0	6,701.0	6,632.4	26.8	17.3	-31.54	-4,830.1	1,446.7	5,624.1	5,588.4	35.66	157.706	
6,850.0	6,679.0	6,729.9	6,661.2	26.8	17.4	-32.81	-4,830.0	1,446.8	5,600.0	5,565.4	34.63	161.723	
6,889.7	6,710.9	6,763.0	6,694.4	26.8	17.4	-34.03	-4,830.0	1,447.0	5,579.2	5,545.4	33.80	165.087	
6,900.0	6,718.9	6,763.0	6,694.4	26.8	17.4	-34.33	-4,830.0	1,447.0	5,573.6	5,540.0	33.56	166.053	
6,950.0	6,756.7	6,788.2	6,719.5	26.8	17.5	-36.08	-4,830.1	1,447.1	5,544.8	5,512.3	32.50	170.613	
6,988.2	6,783.9	6,811.3	6,742.6	26.8	17.5	-37.63	-4,830.1	1,447.3	5,521.4	5,489.6	31.73	173.998	
7,000.0	6,792.0	6,818.2	6,749.6	26.8	17.5	-38.15	-4,830.1	1,447.3	5,513.9	5,482.4	31.50	175.052	
7,050.0	6,824.8	6,852.0	6,783.4	26.8	17.6	-40.60	-4,830.3	1,447.5	5,480.9	5,450.3	30.62	178.974	
7,086.6	6,847.2	6,867.1	6,798.4	26.8	17.6	-42.58	-4,830.4	1,447.6	5,455.6	5,425.5	30.10	181.243	
7,100.0	6,854.9	6,874.6	6,806.0	26.8	17.6	-43.38	-4,830.4	1,447.6	5,446.1	5,416.2	29.92	182.039	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 128-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	6,901.4	6,832.8	26.8	17.7	-46.65	-4,830.6	1,447.7	5,409.6	5,380.1	29.48	183.501	
7,185.0	6,899.5	6,918.6	6,850.0	26.8	17.7	-49.23	-4,830.7	1,447.8	5,383.1	5,353.7	29.36	183.372	
7,200.0	6,906.5	6,925.5	6,856.9	26.9	17.7	-50.42	-4,830.7	1,447.8	5,371.5	5,342.2	29.36	182.933	
7,250.0	6,927.6	6,946.5	6,877.9	26.9	17.8	-54.73	-4,830.8	1,447.9	5,332.2	5,302.6	29.61	180.106	
7,283.4	6,940.0	6,958.8	6,890.2	27.0	17.8	-57.94	-4,830.9	1,448.0	5,305.2	5,275.3	29.97	177.017	
7,300.0	6,945.5	6,964.4	6,895.7	27.0	17.8	-59.62	-4,830.9	1,448.0	5,291.7	5,261.5	30.20	175.208	
7,350.0	6,960.2	6,979.0	6,910.3	27.1	17.8	-65.08	-4,831.0	1,448.1	5,250.4	5,219.3	31.10	168.846	
7,381.9	6,967.8	6,986.6	6,917.9	27.2	17.8	-68.83	-4,831.0	1,448.1	5,223.6	5,191.8	31.78	164.391	
7,400.0	6,971.5	6,990.3	6,921.6	27.2	17.8	-71.06	-4,831.0	1,448.1	5,208.3	5,176.1	32.18	161.863	
7,450.0	6,979.3	6,998.2	6,929.5	27.4	17.8	-77.45	-4,831.1	1,448.2	5,165.7	5,132.4	33.31	155.066	
7,480.3	6,982.4	7,001.3	6,932.7	27.5	17.9	-81.46	-4,831.1	1,448.2	5,139.8	5,105.8	33.98	151.273	
7,500.0	6,983.7	7,002.7	6,934.0	27.5	17.9	-84.10	-4,831.1	1,448.2	5,122.9	5,088.5	34.38	149.024	
7,541.4	6,984.7	7,003.8	6,935.2	27.7	17.9	-89.64	-4,831.1	1,448.2	5,087.4	5,052.3	35.14	144.776	
7,578.7	6,984.5	7,003.8	6,935.2	27.9	17.9	-89.63	-4,831.1	1,448.2	5,055.4	5,019.9	35.51	142.359	
7,600.0	6,984.4	7,003.8	6,935.2	28.0	17.9	-89.63	-4,831.1	1,448.2	5,037.3	5,001.5	35.72	141.005	
7,677.1	6,984.0	7,003.8	6,935.1	28.5	17.9	-89.63	-4,831.1	1,448.2	4,971.5	4,935.0	36.54	136.050	
7,700.0	6,983.9	7,003.8	6,935.1	28.6	17.9	-89.63	-4,831.1	1,448.2	4,952.1	4,915.3	36.78	134.627	
7,775.6	6,983.5	7,003.7	6,935.1	29.2	17.9	-89.63	-4,831.1	1,448.2	4,888.1	4,850.5	37.65	129.823	
7,800.0	6,983.4	7,003.7	6,935.1	29.4	17.9	-89.63	-4,831.1	1,448.2	4,867.5	4,829.6	37.93	128.319	
7,874.0	6,983.1	7,003.7	6,935.1	30.0	17.9	-89.63	-4,831.1	1,448.2	4,805.3	4,766.5	38.87	123.637	
7,900.0	6,982.9	7,003.7	6,935.0	30.3	17.9	-89.63	-4,831.1	1,448.2	4,783.6	4,744.4	39.19	122.047	
7,972.4	6,982.6	7,003.6	6,935.0	31.0	17.9	-89.63	-4,831.1	1,448.2	4,723.1	4,683.0	40.18	117.559	
8,000.0	6,982.4	7,003.6	6,935.0	31.3	17.9	-89.63	-4,831.1	1,448.2	4,700.2	4,659.7	40.55	115.909	
8,070.8	6,982.1	7,003.6	6,935.0	32.1	17.9	-89.63	-4,831.1	1,448.2	4,641.6	4,600.0	41.57	111.658	
8,100.0	6,982.0	7,003.6	6,935.0	32.4	17.9	-89.63	-4,831.1	1,448.2	4,617.5	4,575.5	41.99	109.972	
8,169.3	6,981.6	7,003.6	6,934.9	33.2	17.9	-89.63	-4,831.1	1,448.2	4,560.6	4,517.6	43.03	105.985	
8,200.0	6,981.5	7,003.6	6,934.9	33.6	17.9	-89.63	-4,831.1	1,448.2	4,535.5	4,492.0	43.49	104.280	
8,267.7	6,981.1	7,003.5	6,934.9	34.5	17.9	-89.63	-4,831.1	1,448.2	4,480.4	4,435.9	44.55	100.567	
8,300.0	6,981.0	7,003.5	6,934.9	34.9	17.9	-89.63	-4,831.1	1,448.2	4,454.3	4,409.2	45.06	98.859	
8,366.1	6,980.7	7,003.5	6,934.8	35.8	17.9	-89.63	-4,831.1	1,448.2	4,401.0	4,354.8	46.12	95.418	
8,400.0	6,980.5	7,003.5	6,934.8	36.3	17.9	-89.63	-4,831.1	1,448.2	4,373.8	4,327.1	46.67	93.719	
8,464.5	6,980.2	7,003.4	6,934.8	37.2	17.9	-89.63	-4,831.1	1,448.2	4,322.3	4,274.5	47.74	90.544	
8,500.0	6,980.0	7,003.4	6,934.8	37.7	17.9	-89.63	-4,831.1	1,448.2	4,294.1	4,245.8	48.32	88.863	
8,563.0	6,979.7	7,003.4	6,934.8	38.6	17.9	-89.63	-4,831.1	1,448.2	4,244.4	4,195.0	49.39	85.942	
8,600.0	6,979.5	7,003.4	6,934.7	39.1	17.9	-89.63	-4,831.1	1,448.2	4,215.3	4,165.3	50.01	84.285	
8,661.4	6,979.2	7,003.4	6,934.7	40.1	17.9	-89.63	-4,831.1	1,448.2	4,167.4	4,116.3	51.07	81.603	
8,700.0	6,979.0	7,003.3	6,934.7	40.7	17.9	-89.63	-4,831.1	1,448.2	4,137.4	4,085.7	51.73	79.977	
8,759.8	6,978.7	7,003.3	6,934.7	41.6	17.9	-89.63	-4,831.1	1,448.2	4,091.3	4,038.5	52.78	77.519	
8,800.0	6,978.5	7,003.3	6,934.7	42.2	17.9	-89.62	-4,831.1	1,448.2	4,060.5	4,007.1	53.48	75.926	
8,858.2	6,978.2	7,003.3	6,934.6	43.1	17.9	-89.62	-4,831.1	1,448.2	4,016.2	3,961.7	54.51	73.677	
8,900.0	6,978.0	7,003.3	6,934.6	43.8	17.9	-89.62	-4,831.1	1,448.2	3,984.6	3,929.4	55.25	72.120	
8,956.7	6,977.8	7,003.2	6,934.6	44.7	17.9	-89.62	-4,831.1	1,448.2	3,942.1	3,885.9	56.26	70.064	
9,000.0	6,977.5	7,003.2	6,934.6	45.4	17.9	-89.62	-4,831.1	1,448.2	3,909.8	3,852.8	57.04	68.546	
9,055.1	6,977.3	7,003.2	6,934.6	46.3	17.9	-89.62	-4,831.1	1,448.2	3,869.1	3,811.1	58.04	66.667	
9,100.0	6,977.1	7,003.2	6,934.5	47.1	17.9	-89.62	-4,831.1	1,448.2	3,836.2	3,777.3	58.85	65.188	
9,153.5	6,976.8	7,003.1	6,934.5	48.0	17.9	-89.62	-4,831.1	1,448.2	3,797.3	3,737.4	59.82	63.474	
9,200.0	6,976.6	7,003.1	6,934.5	48.8	17.9	-89.62	-4,831.1	1,448.2	3,763.8	3,703.1	60.67	62.035	
9,251.9	6,976.3	7,003.1	6,934.5	49.7	17.9	-89.62	-4,831.1	1,448.2	3,726.6	3,665.0	61.63	60.472	
9,300.0	6,976.1	7,003.1	6,934.4	50.5	17.9	-89.62	-4,831.1	1,448.2	3,692.6	3,630.1	62.51	59.074	
9,350.4	6,975.8	7,003.1	6,934.4	51.3	17.9	-89.62	-4,831.1	1,448.2	3,657.3	3,593.8	63.44	57.650	
9,400.0	6,975.6	7,003.0	6,934.4	52.2	17.9	-89.62	-4,831.1	1,448.2	3,622.8	3,558.5	64.36	56.293	
9,448.8	6,975.3	7,003.0	6,934.4	53.1	17.9	-89.62	-4,831.1	1,448.2	3,589.3	3,524.0	65.26	54.996	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 128-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.0	6,975.1	7,003.0	6,934.4	54.0	17.9	-89.62	-4,831.1	1,448.2	3,554.5	3,488.3	66.22	53.679	
9,547.2	6,974.9	7,003.0	6,934.3	54.8	17.9	-89.62	-4,831.1	1,448.2	3,522.7	3,455.6	67.10	52.500	
9,600.0	6,974.6	7,003.0	6,934.3	55.7	17.9	-89.62	-4,831.1	1,448.2	3,487.7	3,419.6	68.09	51.224	
9,645.6	6,974.4	7,002.9	6,934.3	56.5	17.9	-89.62	-4,831.1	1,448.2	3,457.7	3,388.8	68.94	50.153	
9,700.0	6,974.1	7,002.9	6,934.3	57.5	17.9	-89.62	-4,831.1	1,448.2	3,422.5	3,352.5	69.96	48.917	
9,744.1	6,973.9	7,002.9	6,934.3	58.3	17.9	-89.62	-4,831.1	1,448.2	3,394.3	3,323.5	70.80	47.945	
9,800.0	6,973.6	7,002.9	6,934.2	59.3	17.9	-89.62	-4,831.1	1,448.2	3,359.0	3,287.1	71.85	46.750	
9,842.5	6,973.4	7,002.9	6,934.2	60.0	17.9	-89.62	-4,831.1	1,448.2	3,332.6	3,259.9	72.66	45.868	
9,900.0	6,973.1	7,002.8	6,934.2	61.1	17.9	-89.62	-4,831.1	1,448.2	3,297.3	3,223.6	73.74	44.713	
9,940.9	6,972.9	7,002.8	6,934.2	61.8	17.9	-89.62	-4,831.1	1,448.2	3,272.6	3,198.1	74.52	43.916	
10,000.0	6,972.6	7,002.8	6,934.2	62.9	17.9	-89.61	-4,831.1	1,448.2	3,237.6	3,161.9	75.64	42.801	
10,039.3	6,972.4	7,002.8	6,934.1	63.6	17.9	-89.61	-4,831.1	1,448.2	3,214.6	3,138.2	76.39	42.080	
10,100.0	6,972.1	7,002.7	6,934.1	64.7	17.9	-89.61	-4,831.1	1,448.2	3,179.8	3,102.3	77.55	41.005	
10,137.8	6,972.0	7,002.7	6,934.1	65.4	17.9	-89.61	-4,831.1	1,448.2	3,158.6	3,080.3	78.27	40.355	
10,200.0	6,971.6	7,002.7	6,934.1	66.6	17.9	-89.61	-4,831.1	1,448.2	3,124.2	3,044.8	79.46	39.319	
10,236.2	6,971.5	7,002.7	6,934.1	67.2	17.9	-89.61	-4,831.1	1,448.2	3,104.7	3,024.5	80.15	38.735	
10,300.0	6,971.2	7,002.7	6,934.0	68.4	17.9	-89.61	-4,831.1	1,448.2	3,070.9	2,989.5	81.37	37.738	
10,334.6	6,971.0	7,002.6	6,934.0	69.0	17.9	-89.61	-4,831.1	1,448.2	3,053.0	2,970.9	82.04	37.214	
10,400.0	6,970.7	7,002.6	6,934.0	70.2	17.9	-89.61	-4,831.1	1,448.2	3,019.9	2,936.6	83.29	36.256	
10,433.0	6,970.5	7,002.6	6,934.0	70.9	17.9	-89.61	-4,831.1	1,448.2	3,003.6	2,919.7	83.93	35.787	
10,500.0	6,970.2	7,002.6	6,933.9	72.1	17.9	-89.61	-4,831.1	1,448.2	2,971.4	2,886.2	85.22	34.869	
10,531.5	6,970.0	7,002.6	6,933.9	72.7	17.9	-89.61	-4,831.1	1,448.2	2,956.7	2,870.9	85.82	34.451	
10,600.0	6,969.7	7,002.5	6,933.9	74.0	17.9	-89.61	-4,831.1	1,448.2	2,925.6	2,838.4	87.14	33.571	
10,629.9	6,969.5	7,002.5	6,933.9	74.5	17.9	-89.61	-4,831.1	1,448.2	2,912.4	2,824.6	87.72	33.200	
10,700.0	6,969.2	7,002.5	6,933.9	75.8	17.9	-89.61	-4,831.1	1,448.2	2,882.4	2,793.4	89.08	32.359	
10,728.3	6,969.0	7,002.5	6,933.8	76.4	17.9	-89.61	-4,831.1	1,448.2	2,870.7	2,781.1	89.62	32.031	
10,800.0	6,968.7	7,002.5	6,933.8	77.7	17.9	-89.61	-4,831.1	1,448.2	2,842.2	2,751.2	91.01	31.229	
10,826.7	6,968.6	7,002.4	6,933.8	78.2	17.9	-89.61	-4,831.1	1,448.2	2,831.9	2,740.4	91.53	30.940	
10,900.0	6,968.2	7,002.4	6,933.8	79.6	17.9	-89.61	-4,831.1	1,448.2	2,804.9	2,711.9	92.95	30.178	
10,925.2	6,968.1	7,002.4	6,933.8	80.1	17.9	-89.61	-4,831.1	1,448.2	2,796.0	2,702.6	93.43	29.925	
11,000.0	6,967.7	7,002.4	6,933.7	81.5	17.9	-89.61	-4,831.1	1,448.2	2,770.7	2,675.8	94.89	29.201	
11,023.6	6,967.6	7,002.4	6,933.7	81.9	17.9	-89.61	-4,831.1	1,448.2	2,763.1	2,667.8	95.34	28.981	
11,100.0	6,967.2	7,002.3	6,933.7	83.4	17.9	-89.60	-4,831.1	1,448.2	2,739.8	2,643.0	96.83	28.295	
11,122.0	6,967.1	7,002.3	6,933.7	83.8	17.9	-89.60	-4,831.1	1,448.2	2,733.4	2,636.2	97.26	28.105	
11,200.0	6,966.7	7,002.3	6,933.6	85.3	17.9	-89.60	-4,831.1	1,448.2	2,712.2	2,613.4	98.77	27.459	
11,220.4	6,966.6	7,002.3	6,933.6	85.7	17.9	-89.60	-4,831.1	1,448.2	2,707.0	2,607.8	99.17	27.296	
11,300.0	6,966.2	7,002.2	6,933.6	87.2	17.9	-89.60	-4,831.1	1,448.2	2,688.0	2,587.3	100.72	26.688	
11,318.9	6,966.1	7,002.2	6,933.6	87.5	17.9	-89.60	-4,831.1	1,448.2	2,683.8	2,582.8	101.09	26.550	
11,400.0	6,965.7	7,002.2	6,933.6	89.1	17.9	-89.60	-4,831.1	1,448.2	2,667.4	2,564.7	102.67	25.981	
11,417.3	6,965.6	7,002.2	6,933.6	89.4	17.9	-89.60	-4,831.1	1,448.2	2,664.2	2,561.2	103.00	25.865	
11,500.0	6,965.2	7,002.2	6,933.5	91.0	17.9	-89.60	-4,831.1	1,448.2	2,650.4	2,545.7	104.62	25.334	
11,515.7	6,965.2	7,002.1	6,933.5	91.3	17.9	-89.60	-4,831.1	1,448.2	2,648.0	2,543.1	104.92	25.237	
11,600.0	6,964.7	7,002.1	6,933.5	92.9	17.9	-89.60	-4,831.1	1,448.2	2,637.0	2,530.5	106.57	24.745	
11,614.1	6,964.7	7,002.1	6,933.5	93.2	17.9	-89.60	-4,831.1	1,448.2	2,635.4	2,528.6	106.85	24.666	
11,700.0	6,964.3	7,002.1	6,933.4	94.8	17.9	-89.60	-4,831.1	1,448.2	2,627.4	2,518.9	108.52	24.211	
11,712.6	6,964.2	7,002.1	6,933.4	95.1	17.9	-89.60	-4,831.1	1,448.2	2,626.5	2,517.7	108.77	24.147	
11,800.0	6,963.8	7,002.0	6,933.4	96.7	17.9	-89.60	-4,831.1	1,448.2	2,621.6	2,511.2	110.48	23.730	
11,811.0	6,963.7	7,002.0	6,933.4	97.0	17.9	-89.60	-4,831.1	1,448.2	2,621.2	2,510.5	110.70	23.680	
11,900.0	6,963.3	7,002.0	6,933.3	98.7	17.9	-89.60	-4,831.1	1,448.2	2,619.6	2,507.2	112.44	23.299	
11,902.4	6,963.2	7,002.0	6,933.3	98.7	17.9	-89.60	-4,831.1	1,448.2	2,619.6	2,507.1	112.48	23.289 CC	
11,909.4	6,963.2	7,002.0	6,933.3	98.9	17.9	-89.60	-4,831.1	1,448.2	2,619.6	2,507.0	112.62	23.261 ES	
12,000.0	6,962.8	7,001.9	6,933.3	100.6	17.9	-89.60	-4,831.1	1,448.2	2,621.4	2,507.1	114.40	22.916	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SE SE SEC. 18 T4N R64W 6th P.M. - NEI C18-21D - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.0 usft
Survey Program: 128-MWD												<b>Offset Well Error:</b>	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,007.8	6,962.7	7,001.9	6,933.3	100.7	17.9	-89.60	-4,831.1	1,448.2	2,621.8	2,507.2	114.55	22.888	
12,100.0	6,962.3	7,001.9	6,933.3	102.5	17.9	-89.60	-4,831.1	1,448.2	2,627.1	2,510.7	116.35	22.578	
12,106.3	6,962.2	7,001.9	6,933.3	102.6	17.9	-89.60	-4,831.1	1,448.2	2,627.5	2,511.1	116.48	22.558	
12,200.0	6,961.8	7,001.9	6,933.2	104.5	17.9	-89.59	-4,831.1	1,448.2	2,636.5	2,518.2	118.32	22.283	
12,204.7	6,961.8	7,001.9	6,933.2	104.5	17.9	-89.59	-4,831.1	1,448.2	2,637.0	2,518.6	118.41	22.271	
12,300.0	6,961.3	7,001.8	6,933.2	106.4	17.9	-89.59	-4,831.1	1,448.2	2,649.6	2,529.3	120.28	22.029	
12,303.1	6,961.3	7,001.8	6,933.2	106.4	17.9	-89.59	-4,831.1	1,448.2	2,650.1	2,529.8	120.34	22.022	
12,400.0	6,960.8	7,001.8	6,933.1	108.3	17.9	-89.59	-4,831.1	1,448.2	2,666.5	2,544.2	122.24	21.813	
12,401.5	6,960.8	7,001.8	6,933.1	108.3	17.9	-89.59	-4,831.1	1,448.2	2,666.8	2,544.5	122.27	21.810	
12,500.0	6,960.3	7,001.7	6,933.1	110.3	17.9	-89.59	-4,831.1	1,448.2	2,686.9	2,562.7	124.20	21.633	
12,598.4	6,959.8	7,001.7	6,933.0	112.2	17.9	-89.59	-4,831.1	1,448.2	2,710.5	2,584.4	126.14	21.488	
12,600.0	6,959.8	7,001.7	6,933.0	112.2	17.9	-89.59	-4,831.1	1,448.2	2,710.9	2,584.7	126.17	21.486	
12,696.8	6,959.3	7,001.6	6,933.0	114.1	17.9	-89.59	-4,831.1	1,448.2	2,737.4	2,609.4	128.07	21.374	
12,700.0	6,959.3	7,001.6	6,933.0	114.1	17.9	-89.59	-4,831.1	1,448.2	2,738.4	2,610.2	128.14	21.371	
12,795.2	6,958.8	7,001.6	6,933.0	116.0	17.9	-89.59	-4,831.1	1,448.2	2,767.6	2,637.6	130.01	21.288	
12,800.0	6,958.8	7,001.6	6,933.0	116.1	17.9	-89.59	-4,831.1	1,448.2	2,769.1	2,639.0	130.10	21.284	
12,893.7	6,958.3	7,001.6	6,932.9	117.9	17.9	-89.59	-4,831.1	1,448.2	2,800.9	2,669.0	131.95	21.228	
12,900.0	6,958.3	7,001.6	6,932.9	118.0	17.9	-89.59	-4,831.1	1,448.2	2,803.1	2,671.1	132.07	21.225	
12,992.1	6,957.9	7,001.5	6,932.9	119.8	17.9	-89.59	-4,831.1	1,448.2	2,837.2	2,703.3	133.88	21.192	
13,000.0	6,957.8	7,001.5	6,932.9	120.0	17.9	-89.59	-4,831.1	1,448.2	2,840.3	2,706.2	134.04	21.190	
13,090.5	6,957.4	7,001.5	6,932.8	121.7	17.9	-89.59	-4,831.1	1,448.2	2,876.5	2,740.6	135.82	21.178	
13,100.0	6,957.3	7,001.5	6,932.8	121.9	17.9	-89.59	-4,831.1	1,448.2	2,880.4	2,744.4	136.01	21.178 SF	
13,188.9	6,956.9	7,001.4	6,932.8	123.6	17.9	-89.59	-4,831.1	1,448.2	2,918.5	2,780.7	137.76	21.185	
13,200.0	6,956.8	7,001.4	6,932.8	123.9	17.9	-89.59	-4,831.1	1,448.2	2,923.4	2,785.4	137.98	21.187	
13,287.4	6,956.4	7,001.4	6,932.8	125.6	17.9	-89.58	-4,831.1	1,448.2	2,963.2	2,823.5	139.70	21.211	
13,300.0	6,956.3	7,001.4	6,932.8	125.8	17.9	-89.58	-4,831.1	1,448.2	2,969.1	2,829.2	139.95	21.216	
13,385.8	6,955.9	7,001.4	6,932.7	127.5	17.9	-89.58	-4,831.1	1,448.2	3,010.5	2,868.8	141.64	21.254	
13,400.0	6,955.8	7,001.3	6,932.7	127.8	17.9	-89.58	-4,831.1	1,448.2	3,017.5	2,875.6	141.92	21.262	
13,484.2	6,955.4	7,001.3	6,932.7	129.4	17.9	-89.58	-4,831.1	1,448.2	3,060.2	2,916.6	143.58	21.313	
13,500.0	6,955.3	7,001.3	6,932.7	129.7	17.9	-89.58	-4,831.1	1,448.2	3,068.3	2,924.4	143.89	21.324	
13,582.6	6,954.9	7,001.3	6,932.6	131.3	17.9	-89.58	-4,831.1	1,448.2	3,112.2	2,966.7	145.52	21.386	
13,600.0	6,954.8	7,001.3	6,932.6	131.7	17.9	-89.58	-4,831.1	1,448.2	3,121.6	2,975.7	145.87	21.400	
13,681.1	6,954.4	7,001.2	6,932.6	133.2	17.9	-89.58	-4,831.1	1,448.2	3,166.4	3,018.9	147.47	21.472	
13,700.0	6,954.3	7,001.2	6,932.6	133.6	17.9	-89.58	-4,831.1	1,448.2	3,177.1	3,029.2	147.84	21.490	
13,779.5	6,953.9	7,001.2	6,932.5	135.2	17.9	-89.58	-4,831.1	1,448.2	3,222.7	3,073.3	149.41	21.570	
13,800.0	6,953.8	7,001.2	6,932.5	135.6	17.9	-89.58	-4,831.1	1,448.2	3,234.7	3,084.9	149.81	21.592	
13,877.9	6,953.5	7,001.1	6,932.5	137.1	17.9	-89.58	-4,831.1	1,448.2	3,281.0	3,129.7	151.35	21.678	
13,900.0	6,953.3	7,001.1	6,932.5	137.5	17.9	-89.58	-4,831.1	1,448.2	3,294.4	3,142.6	151.79	21.704	
13,976.3	6,953.0	7,001.1	6,932.5	139.0	17.9	-89.58	-4,831.1	1,448.2	3,341.2	3,187.9	153.29	21.796	
14,000.0	6,952.8	7,001.1	6,932.5	139.5	17.9	-89.58	-4,831.1	1,448.2	3,355.9	3,202.2	153.76	21.826	
14,074.8	6,952.5	7,001.1	6,932.4	140.9	17.9	-89.58	-4,831.1	1,448.2	3,403.2	3,247.9	155.24	21.922	
14,100.0	6,952.4	7,001.1	6,932.4	141.4	17.9	-89.58	-4,831.1	1,448.2	3,419.3	3,263.6	155.74	21.956	
14,170.4	6,952.0	7,001.0	6,932.4	142.8	17.9	-89.58	-4,831.1	1,448.2	3,465.0	3,307.9	157.07	22.061	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 134-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	169.41	-5,114.8	956.6	5,203.5				
98.4	98.4	134.0	134.0	0.1	0.1	169.41	-5,114.1	955.8	5,202.9	5,202.7	0.18	N/A	
100.0	100.0	134.0	134.0	0.1	0.1	169.41	-5,114.1	955.8	5,202.9	5,202.7	0.18	N/A	
196.8	196.8	189.9	189.9	0.3	0.2	169.42	-5,113.8	955.4	5,202.3	5,201.8	0.51	N/A	
200.0	200.0	191.4	191.4	0.3	0.2	169.42	-5,113.8	955.4	5,202.3	5,201.8	0.52	N/A	
205.5	205.5	194.0	194.0	0.3	0.2	169.42	-5,113.8	955.4	5,202.3	5,201.8	0.54	9,680.211	
295.3	295.3	245.2	245.2	0.5	0.3	169.42	-5,114.0	955.5	5,202.7	5,201.8	0.84	6,159.755	
300.0	300.0	249.1	249.1	0.5	0.3	169.42	-5,114.1	955.5	5,202.7	5,201.9	0.86	6,026.137	
393.7	393.7	316.0	316.0	0.8	0.5	169.42	-5,114.6	955.7	5,203.6	5,202.4	1.21	4,284.042	
400.0	400.0	316.0	316.0	0.8	0.5	169.42	-5,114.6	955.7	5,203.7	5,202.4	1.23	4,234.743	
492.1	492.1	397.4	397.4	1.0	0.6	169.41	-5,115.6	956.6	5,204.9	5,203.3	1.61	3,230.377	
500.0	500.0	403.2	403.2	1.0	0.6	169.41	-5,115.7	956.7	5,205.0	5,203.4	1.64	3,170.971	
590.5	590.5	444.0	444.0	1.2	0.7	169.40	-5,116.2	957.7	5,206.8	5,204.9	1.93	2,693.834	
600.0	600.0	471.4	471.4	1.2	0.8	169.39	-5,116.6	958.5	5,207.0	5,204.9	2.02	2,582.904	
689.0	689.0	525.9	525.8	1.4	0.9	169.37	-5,117.6	960.9	5,209.3	5,206.9	2.34	2,227.553	
700.0	700.0	532.7	532.5	1.4	0.9	169.36	-5,117.8	961.2	5,209.6	5,207.2	2.38	2,190.182	
787.4	787.4	572.0	571.8	1.6	1.0	169.34	-5,118.6	963.5	5,212.5	5,209.8	2.66	1,956.318	
800.0	800.0	593.5	593.3	1.7	1.1	169.32	-5,119.1	965.0	5,212.9	5,210.2	2.74	1,899.427	
885.8	885.8	661.0	660.5	1.9	1.2	169.27	-5,121.0	970.0	5,216.5	5,213.4	3.10	1,682.708	
900.0	900.0	661.0	660.5	1.9	1.2	169.27	-5,121.0	970.0	5,217.1	5,213.9	3.13	1,665.782	
984.2	984.2	725.0	724.2	2.1	1.4	169.22	-5,123.0	975.7	5,221.0	5,217.5	3.48	1,500.565	
1,000.0	1,000.0	725.0	724.2	2.1	1.4	169.22	-5,123.0	975.7	5,221.8	5,218.2	3.51	1,485.671	
1,082.7	1,082.7	789.7	788.5	2.3	1.6	-113.45	-5,124.9	983.1	5,226.5	5,222.6	3.87	1,351.571	
1,100.0	1,100.0	800.8	799.4	2.3	1.6	-113.45	-5,125.2	984.6	5,227.6	5,223.7	3.94	1,328.349	
1,181.1	1,181.0	1,036.0	1,030.4	2.5	2.5	-113.94	-5,127.1	1,028.3	5,233.4	5,228.5	4.91	1,065.680	
1,200.0	1,199.8	1,067.2	1,060.7	2.5	2.6	-114.02	-5,126.4	1,035.6	5,234.4	5,229.3	5.08	1,030.282	
1,279.5	1,279.1	1,239.0	1,225.9	2.7	3.4	-114.60	-5,119.0	1,082.4	5,238.1	5,232.0	6.11	857.908	
1,300.0	1,299.5	1,239.0	1,225.9	2.8	3.4	-114.58	-5,119.0	1,082.4	5,239.1	5,233.0	6.15	851.773	
1,377.9	1,376.9	1,293.1	1,277.3	3.0	3.7	-114.74	-5,115.9	1,099.0	5,243.8	5,237.2	6.65	788.883	
1,400.0	1,398.7	1,301.5	1,285.3	3.0	3.8	-114.75	-5,115.5	1,101.6	5,245.5	5,238.7	6.75	777.353	
1,476.4	1,474.2	1,367.0	1,347.4	3.2	4.2	-114.95	-5,112.8	1,122.0	5,252.5	5,245.2	7.32	717.452	
1,500.0	1,497.5	1,367.0	1,347.4	3.3	4.2	-114.90	-5,112.8	1,122.0	5,254.8	5,247.5	7.38	711.679	
1,574.8	1,571.0	1,367.0	1,347.4	3.5	4.2	-114.75	-5,112.8	1,122.0	5,263.3	5,255.7	7.61	691.714	
1,600.0	1,595.6	1,388.2	1,367.5	3.6	4.3	-114.80	-5,112.0	1,128.8	5,266.5	5,258.7	7.82	673.303	
1,673.2	1,667.0	1,446.3	1,422.1	3.9	4.7	-114.95	-5,109.8	1,148.3	5,276.6	5,268.2	8.44	624.922	
1,700.0	1,693.1	1,466.8	1,441.3	4.0	4.8	-115.00	-5,109.0	1,155.5	5,280.6	5,271.9	8.67	609.289	
1,735.7	1,727.6	1,655.7	1,616.6	4.1	6.1	-116.09	-5,097.3	1,225.2	5,285.6	5,275.5	10.10	523.554	
1,771.6	1,762.4	1,679.3	1,638.4	4.3	6.3	-116.24	-5,095.5	1,233.8	5,290.4	5,280.0	10.39	508.944	
1,800.0	1,789.8	1,697.8	1,655.6	4.4	6.4	-116.35	-5,094.1	1,240.6	5,294.3	5,283.7	10.63	498.034	
1,870.1	1,857.6	1,752.0	1,706.0	4.7	6.8	-116.69	-5,090.3	1,260.2	5,304.3	5,293.0	11.28	470.201	
1,900.0	1,886.6	1,770.6	1,723.2	4.8	6.9	-116.80	-5,088.9	1,266.9	5,308.7	5,297.2	11.53	460.247	
1,968.5	1,952.8	1,841.7	1,789.3	5.2	7.4	-117.25	-5,083.7	1,292.9	5,318.8	5,306.5	12.32	431.567	
2,000.0	1,983.3	1,874.2	1,819.3	5.3	7.7	-117.45	-5,081.2	1,304.9	5,323.5	5,310.8	12.69	419.622	
2,066.9	2,048.0	1,948.6	1,888.1	5.6	8.2	-117.92	-5,075.2	1,332.6	5,333.5	5,320.0	13.52	394.522	
2,100.0	2,080.0	1,985.8	1,922.5	5.8	8.5	-118.15	-5,072.1	1,346.3	5,338.5	5,324.6	13.93	383.144	
2,165.3	2,143.2	2,009.0	1,944.0	6.1	8.7	-118.30	-5,070.1	1,354.9	5,348.5	5,334.2	14.40	371.535	
2,200.0	2,176.7	2,043.9	1,976.2	6.3	8.9	-118.52	-5,067.2	1,367.9	5,354.0	5,339.2	14.80	361.774	
2,263.8	2,238.4	2,071.8	2,002.1	6.6	9.1	-118.69	-5,065.0	1,378.3	5,364.4	5,349.1	15.29	350.862	
2,300.0	2,273.4	2,087.7	2,016.8	6.8	9.3	-118.79	-5,063.8	1,384.2	5,370.6	5,355.0	15.57	344.995	
2,362.2	2,333.6	2,138.0	2,063.3	7.1	9.6	-119.10	-5,060.3	1,403.1	5,381.6	5,365.4	16.21	331.982	
2,400.0	2,370.2	2,138.0	2,063.3	7.3	9.6	-119.10	-5,060.3	1,403.1	5,388.3	5,371.9	16.39	328.849	
2,460.6	2,428.8	2,177.1	2,099.4	7.6	9.9	-119.35	-5,057.7	1,417.8	5,399.6	5,382.6	16.94	318.765	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 134-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,500.0	2,466.9	2,211.3	2,131.0	7.8	10.2	-119.56	-5,055.5	1,430.5	5,407.0	5,389.6	17.36	311.501	
2,559.0	2,524.0	2,262.7	2,178.7	8.1	10.5	-119.87	-5,052.1	1,449.5	5,418.2	5,400.3	17.99	301.200	
2,600.0	2,563.6	2,394.0	2,300.5	8.3	11.5	-120.67	-5,042.3	1,497.7	5,425.8	5,406.7	19.08	284.360	
2,657.5	2,619.2	2,432.3	2,336.0	8.6	11.8	-120.90	-5,039.2	1,511.6	5,436.3	5,416.7	19.61	277.280	
2,700.0	2,660.3	2,458.3	2,360.2	8.8	11.9	-121.06	-5,037.2	1,520.9	5,444.2	5,424.2	19.98	272.507	
2,755.9	2,714.4	2,492.9	2,392.5	9.1	12.2	-121.26	-5,034.7	1,533.0	5,454.8	5,434.3	20.47	266.468	
2,800.0	2,757.0	2,523.0	2,420.7	9.4	12.4	-121.43	-5,032.6	1,543.3	5,463.4	5,442.5	20.88	261.682	
2,854.3	2,809.6	2,552.9	2,448.8	9.6	12.6	-121.61	-5,030.6	1,553.6	5,474.2	5,452.8	21.33	256.652	
2,900.0	2,853.8	2,580.0	2,474.1	9.9	12.8	-121.76	-5,028.9	1,562.9	5,483.4	5,461.7	21.72	252.455	
2,952.7	2,904.8	2,611.2	2,503.3	10.2	13.0	-121.94	-5,026.9	1,573.8	5,494.3	5,472.2	22.17	247.811	
3,000.0	2,950.5	2,651.0	2,540.4	10.4	13.3	-122.18	-5,024.4	1,587.9	5,504.3	5,481.7	22.65	243.008	
3,051.2	3,000.0	2,780.0	2,660.1	10.7	14.3	-122.94	-5,014.3	1,634.9	5,515.0	5,491.2	23.79	231.863	
3,100.0	3,047.2	2,812.3	2,689.9	10.9	14.5	-123.14	-5,011.3	1,647.0	5,524.8	5,500.6	24.25	227.865	
3,149.6	3,095.2	2,837.0	2,712.7	11.2	14.7	-123.29	-5,009.2	1,656.3	5,535.2	5,510.5	24.66	224.490	
3,200.0	3,143.9	2,862.1	2,735.9	11.5	14.9	-123.44	-5,007.0	1,665.8	5,545.9	5,520.8	25.07	221.194	
3,248.0	3,190.4	2,908.0	2,778.2	11.7	15.3	-123.71	-5,003.2	1,683.2	5,556.4	5,530.8	25.62	216.847	
3,300.0	3,240.6	2,914.0	2,783.7	12.0	15.3	-123.75	-5,002.7	1,685.5	5,567.9	5,542.0	25.91	214.884	
3,346.4	3,285.6	2,951.9	2,818.6	12.3	15.6	-123.98	-4,999.6	1,699.8	5,578.4	5,552.0	26.39	211.375	
3,400.0	3,337.4	2,995.5	2,858.8	12.5	16.0	-124.24	-4,996.1	1,716.4	5,590.6	5,563.7	26.94	207.501	
3,444.9	3,380.8	3,032.1	2,892.5	12.8	16.2	-124.46	-4,993.2	1,730.3	5,601.0	5,573.6	27.40	204.383	
3,500.0	3,434.1	3,080.1	2,936.8	13.1	16.6	-124.74	-4,989.3	1,748.4	5,613.9	5,585.9	27.98	200.612	
3,543.3	3,476.0	3,118.3	2,972.1	13.3	16.9	-124.96	-4,986.2	1,762.8	5,624.1	5,595.7	28.44	197.752	
3,600.0	3,530.8	3,165.0	3,015.3	13.6	17.2	-125.24	-4,982.5	1,780.2	5,637.6	5,608.6	29.01	194.301	
3,641.7	3,571.2	3,196.0	3,044.0	13.8	17.5	-125.42	-4,980.1	1,791.7	5,647.7	5,618.2	29.41	192.015	
3,700.0	3,627.5	3,235.8	3,080.9	14.2	17.8	-125.65	-4,977.1	1,806.3	5,661.9	5,631.9	29.94	189.085	
3,740.1	3,666.4	3,263.3	3,106.4	14.4	18.0	-125.80	-4,975.1	1,816.4	5,671.8	5,641.5	30.31	187.131	
3,800.0	3,724.2	3,305.5	3,145.5	14.7	18.3	-126.04	-4,972.1	1,831.8	5,686.8	5,656.0	30.86	184.268	
3,838.6	3,761.6	3,334.4	3,172.3	14.9	18.5	-126.21	-4,970.0	1,842.4	5,696.6	5,665.4	31.23	182.410	
3,900.0	3,821.0	3,380.2	3,214.8	15.2	18.8	-126.47	-4,966.7	1,859.2	5,712.4	5,680.6	31.81	179.561	
3,937.0	3,856.8	3,407.8	3,240.3	15.4	19.1	-126.62	-4,964.8	1,869.4	5,722.0	5,689.8	32.16	177.905	
4,000.0	3,917.7	3,550.0	3,372.9	15.8	20.1	-127.41	-4,954.2	1,919.8	5,737.8	5,704.5	33.33	172.173	
4,035.4	3,951.9	3,550.0	3,372.9	16.0	20.1	-127.41	-4,954.2	1,919.8	5,746.8	5,713.3	33.49	171.592	
4,100.0	4,014.4	3,550.0	3,372.9	16.3	20.1	-127.41	-4,954.2	1,919.8	5,763.7	5,729.9	33.79	170.561	
4,133.8	4,047.1	3,601.4	3,421.2	16.5	20.4	-127.68	-4,950.7	1,937.0	5,772.1	5,737.9	34.24	168.576	
4,200.0	4,111.1	3,620.4	3,439.0	16.9	20.6	-127.78	-4,949.6	1,943.5	5,789.9	5,755.3	34.66	167.068	
4,232.3	4,142.3	3,629.7	3,447.8	17.0	20.6	-127.83	-4,949.1	1,946.6	5,798.8	5,763.9	34.86	166.352	
4,300.0	4,207.8	3,678.0	3,493.1	17.4	21.0	-128.08	-4,946.9	1,963.2	5,818.0	5,782.5	35.44	164.145	
4,330.7	4,237.5	3,678.0	3,493.1	17.6	21.0	-128.08	-4,946.9	1,963.2	5,826.7	5,791.1	35.59	163.730	
4,400.0	4,304.6	3,678.0	3,493.1	17.9	21.0	-128.08	-4,946.9	1,963.2	5,846.8	5,810.9	35.91	162.820	
4,429.1	4,332.7	3,811.1	3,617.7	18.1	21.9	-128.78	-4,940.3	2,009.6	5,855.2	5,818.4	36.80	159.092	
4,500.0	4,401.3	3,935.4	3,734.1	18.5	22.8	-129.43	-4,932.4	2,052.4	5,875.0	5,837.2	37.83	155.312	
4,527.5	4,427.9	4,028.2	3,821.5	18.6	23.4	-129.90	-4,926.1	2,082.9	5,882.5	5,844.0	38.44	153.026	
4,600.0	4,498.0	4,064.0	3,855.3	19.0	23.6	-130.08	-4,923.5	2,094.4	5,901.9	5,862.9	38.96	151.484	
4,626.0	4,523.1	4,064.0	3,855.3	19.2	23.6	-130.08	-4,923.5	2,094.4	5,909.0	5,870.0	39.08	151.205	
4,700.0	4,594.7	4,115.3	3,903.7	19.6	24.0	-130.34	-4,919.9	2,111.1	5,929.4	5,889.7	39.70	149.371	
4,724.4	4,618.3	4,122.9	3,910.9	19.7	24.0	-130.37	-4,919.4	2,113.6	5,936.3	5,896.5	39.85	148.973	
4,800.0	4,691.5	4,146.4	3,932.9	20.1	24.2	-130.49	-4,917.9	2,121.6	5,958.1	5,917.8	40.32	147.772	
4,822.8	4,713.5	4,192.0	3,975.5	20.2	24.5	-130.73	-4,915.2	2,137.6	5,965.2	5,924.5	40.67	146.689	
4,900.0	4,788.2	4,192.0	3,975.5	20.7	24.5	-130.73	-4,915.2	2,137.6	5,988.0	5,947.0	41.02	145.985	
4,921.2	4,808.7	4,192.0	3,975.5	20.8	24.5	-130.73	-4,915.2	2,137.6	5,994.4	5,953.3	41.11	145.797	
5,000.0	4,884.9	4,228.8	4,009.8	21.2	24.8	-130.92	-4,913.1	2,150.7	6,018.8	5,977.1	41.68	144.396	
5,019.7	4,903.9	4,243.0	4,023.0	21.3	24.9	-130.99	-4,912.3	2,155.8	6,024.9	5,983.1	41.85	143.958	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													SE SE SEC. 18 T4N R64W 6th P.M. - NEI C18-22D - Wellbore #1 - Wellbore #1		Offset Site Error:		0.0 usft	
Survey Program: 134-MWD													Offset Well Error:		0.0 usft			
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor						
5,100.0	4,981.6	4,300.8	4,076.8	21.8	25.3	-131.29	-4,909.0	2,176.7	6,050.2	6,007.7	42.54	142.220						
5,118.1	4,999.1	4,320.0	4,094.7	21.8	25.5	-131.39	-4,907.9	2,183.7	6,056.0	6,013.2	42.73	141.725						
5,200.0	5,078.3	4,355.6	4,127.8	22.3	25.7	-131.57	-4,905.9	2,196.6	6,082.3	6,039.0	43.30	140.476						
5,216.5	5,094.3	4,363.6	4,135.3	22.4	25.8	-131.61	-4,905.5	2,199.5	6,087.6	6,044.2	43.42	140.214						
5,300.0	5,175.1	4,404.3	4,173.2	22.8	26.1	-131.81	-4,903.6	2,214.2	6,115.1	6,071.1	44.02	138.926						
5,314.9	5,189.5	4,411.6	4,180.0	22.9	26.1	-131.85	-4,903.2	2,216.9	6,120.1	6,076.0	44.12	138.701						
5,400.0	5,271.8	4,449.0	4,214.8	23.4	26.4	-132.04	-4,901.7	2,230.3	6,148.8	6,104.1	44.71	137.520						
5,413.4	5,284.7	4,449.0	4,214.8	23.5	26.4	-132.04	-4,901.7	2,230.3	6,153.4	6,108.6	44.77	137.436						
5,500.0	5,368.5	4,512.2	4,273.6	23.9	26.9	-132.35	-4,899.3	2,253.3	6,183.1	6,137.6	45.51	135.874						
5,511.8	5,379.9	4,519.0	4,279.9	24.0	26.9	-132.38	-4,899.0	2,255.8	6,187.2	6,141.7	45.60	135.696						
5,600.0	5,465.2	4,577.0	4,333.7	24.5	27.4	-132.67	-4,896.8	2,277.4	6,218.2	6,171.9	46.30	134.290						
5,610.2	5,475.1	4,577.0	4,333.7	24.5	27.4	-132.67	-4,896.8	2,277.4	6,221.8	6,175.5	46.35	134.235						
5,647.2	5,510.9	5,390.7	5,115.7	24.7	31.7	-135.91	-4,868.5	2,491.2	6,232.8	6,183.4	49.41	126.145						
5,700.0	5,562.1	5,797.7	5,521.3	25.0	32.5	-136.97	-4,862.6	2,521.2	6,243.0	6,192.9	50.03	124.783						
5,708.6	5,570.5	5,803.3	5,526.9	25.0	32.5	-137.00	-4,862.6	2,521.3	6,244.5	6,194.4	50.06	124.741						
5,800.0	5,659.6	5,861.0	5,584.6	25.3	32.6	-137.30	-4,862.4	2,522.3	6,259.9	6,209.6	50.37	124.284						
5,807.1	5,666.6	5,861.0	5,584.6	25.4	32.6	-137.32	-4,862.4	2,522.3	6,261.1	6,210.7	50.39	124.259						
5,900.0	5,757.9	5,938.1	5,661.7	25.7	32.6	-137.60	-4,862.7	2,523.5	6,274.8	6,224.1	50.68	123.825						
5,905.5	5,763.3	5,942.3	5,665.9	25.7	32.6	-137.62	-4,862.7	2,523.5	6,275.6	6,224.9	50.69	123.802						
6,000.0	5,856.7	6,019.0	5,742.6	26.0	32.7	-137.86	-4,863.2	2,524.8	6,287.5	6,236.6	50.95	123.395						
6,003.9	5,860.6	6,022.6	5,746.2	26.0	32.7	-137.86	-4,863.2	2,524.9	6,288.0	6,237.0	50.96	123.380						
6,100.0	5,956.1	6,111.7	5,835.3	26.2	32.8	-138.06	-4,864.2	2,526.1	6,297.9	6,246.6	51.21	122.975						
6,102.3	5,958.4	6,118.0	5,841.6	26.2	32.8	-138.07	-4,864.3	2,526.2	6,298.1	6,246.8	51.22	122.959						
6,200.0	6,055.7	6,216.4	5,939.9	26.4	32.9	-138.22	-4,865.4	2,527.5	6,305.6	6,254.2	51.45	122.553						
6,200.8	6,056.5	6,217.2	5,940.7	26.4	32.9	-138.22	-4,865.4	2,527.5	6,305.7	6,254.2	51.45	122.550						
6,299.2	6,154.8	6,318.8	6,042.3	26.5	33.0	-138.33	-4,866.3	2,529.1	6,310.7	6,259.0	51.67	122.146						
6,300.0	6,155.6	6,319.6	6,043.1	26.5	33.0	-138.33	-4,866.3	2,529.1	6,310.7	6,259.0	51.67	122.142						
6,382.9	6,238.5	6,428.5	6,152.0	26.6	33.1	144.31	-4,867.5	2,530.2	6,312.8	6,261.1	51.77	121.937						
6,397.6	6,253.2	6,455.3	6,178.9	26.6	33.1	144.31	-4,867.7	2,530.4	6,313.0	6,261.2	51.81	121.839						
6,400.0	6,255.6	6,459.7	6,183.2	26.6	33.1	144.31	-4,867.8	2,530.5	6,313.0	6,261.2	51.82	121.823						
6,412.9	6,268.5	6,483.1	6,206.7	26.6	33.1	144.31	-4,867.9	2,530.7	6,313.1	6,261.3	51.86	121.735						
6,450.0	6,305.6	6,523.6	6,247.2	26.7	33.2	-35.93	-4,868.0	2,531.0	6,312.6	6,260.7	51.94	121.541						
6,496.0	6,351.5	6,559.8	6,283.3	26.7	33.2	-36.08	-4,868.1	2,531.3	6,309.9	6,258.1	51.74	121.956						
6,500.0	6,355.4	6,562.9	6,286.4	26.7	33.2	-36.10	-4,868.1	2,531.3	6,309.5	6,257.8	51.71	122.013						
6,550.0	6,404.8	6,601.8	6,325.4	26.7	33.3	-36.41	-4,868.4	2,531.7	6,303.7	6,252.5	51.25	122.991						
6,594.5	6,448.1	6,639.4	6,363.0	26.8	33.3	-36.82	-4,868.7	2,532.0	6,296.3	6,245.6	50.66	124.285						
6,600.0	6,453.5	6,647.1	6,370.6	26.8	33.3	-36.88	-4,868.7	2,532.1	6,295.2	6,244.6	50.57	124.474						
6,650.0	6,501.3	6,715.7	6,439.2	26.8	33.4	-37.56	-4,869.3	2,532.4	6,283.9	6,234.2	49.69	126.462						
6,692.9	6,541.4	6,770.0	6,493.5	26.8	33.4	-38.28	-4,869.7	2,532.5	6,271.9	6,223.1	48.77	128.592						
6,700.0	6,548.0	6,777.1	6,500.6	26.8	33.4	-38.41	-4,869.7	2,532.5	6,269.7	6,221.1	48.61	128.987						
6,750.0	6,593.3	6,825.8	6,549.3	26.8	33.5	-39.43	-4,869.9	2,532.7	6,253.0	6,205.6	47.35	132.047						
6,791.3	6,629.6	6,864.8	6,588.3	26.8	33.5	-40.43	-4,870.0	2,532.9	6,237.2	6,191.0	46.21	134.963						
6,800.0	6,637.0	6,872.8	6,596.3	26.8	33.5	-40.65	-4,870.0	2,533.0	6,233.7	6,187.7	45.96	135.625						
6,850.0	6,679.0	6,923.0	6,646.5	26.8	33.6	-42.11	-4,870.0	2,533.4	6,212.0	6,167.5	44.48	139.672						
6,889.7	6,710.9	6,963.3	6,686.8	26.8	33.6	-43.46	-4,869.8	2,533.7	6,193.1	6,149.9	43.26	143.164						
6,900.0	6,718.9	6,973.4	6,696.9	26.8	33.6	-43.83	-4,869.8	2,533.8	6,188.0	6,145.1	42.94	144.111						
6,950.0	6,756.7	7,019.4	6,742.9	26.8	33.6	-45.80	-4,869.6	2,534.1	6,161.8	6,120.4	41.41	148.804						
6,988.2	6,783.9	7,038.0	6,761.5	26.8	33.7	-47.40	-4,869.5	2,534.3	6,140.5	6,100.2	40.29	152.418						
7,000.0	6,792.0	7,038.0	6,761.5	26.8	33.7	-47.89	-4,869.5	2,534.3	6,133.7	6,093.7	39.94	153.563						
7,050.0	6,824.8	7,072.9	6,796.4	26.8	33.7	-50.39	-4,869.4	2,534.6	6,103.7	6,065.1	38.62	158.049						
7,086.6	6,847.2	7,090.4	6,813.9	26.8	33.7	-52.36	-4,869.3	2,534.8	6,080.8	6,043.0	37.79	160.897						
7,100.0	6,854.9	7,096.6	6,820.0	26.8	33.7	-53.13	-4,869.3	2,534.8	6,072.2	6,034.7	37.50	161.945						

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 134-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,150.0	6,882.2	7,117.9	6,841.4	26.8	33.7	-56.18	-4,869.2	2,535.1	6,039.2	6,002.5	36.63	164.860		
7,185.0	6,899.5	7,131.5	6,855.0	26.8	33.8	-58.52	-4,869.2	2,535.2	6,015.2	5,979.0	36.20	166.166		
7,200.0	6,906.5	7,145.0	6,868.5	26.9	33.8	-59.65	-4,869.1	2,535.4	6,004.8	5,968.8	36.08	166.422		
7,250.0	6,927.6	7,156.9	6,880.4	26.9	33.8	-63.31	-4,869.1	2,535.6	5,969.4	5,933.6	35.82	166.649		
7,283.4	6,940.0	7,170.4	6,893.9	27.0	33.8	-66.02	-4,869.1	2,535.8	5,945.1	5,909.3	35.82	165.957		
7,300.0	6,945.5	7,176.4	6,899.9	27.0	33.8	-67.41	-4,869.1	2,535.8	5,933.0	5,897.1	35.86	165.432		
7,350.0	6,960.2	7,192.4	6,915.9	27.1	33.8	-71.78	-4,869.0	2,536.0	5,895.8	5,859.7	36.13	163.165		
7,381.9	6,967.8	7,200.6	6,924.1	27.2	33.8	-74.68	-4,869.0	2,536.1	5,871.8	5,835.4	36.39	161.340		
7,400.0	6,971.5	7,204.6	6,928.1	27.2	33.8	-76.37	-4,869.0	2,536.2	5,858.1	5,821.6	36.55	160.258		
7,450.0	6,979.3	7,213.2	6,936.6	27.4	33.8	-81.11	-4,869.0	2,536.3	5,820.0	5,783.0	37.04	157.107		
7,480.3	6,982.4	7,216.5	6,939.9	27.5	33.8	-84.01	-4,869.0	2,536.3	5,796.8	5,759.5	37.35	155.185		
7,500.0	6,983.7	7,217.9	6,941.3	27.5	33.9	-85.91	-4,869.0	2,536.3	5,781.7	5,744.2	37.55	153.989		
7,541.4	6,984.7	7,218.9	6,942.3	27.7	33.9	-89.86	-4,869.0	2,536.3	5,750.1	5,712.1	37.95	151.521		
7,578.7	6,984.5	7,218.6	6,942.1	27.9	33.9	-89.85	-4,869.0	2,536.3	5,721.6	5,683.3	38.32	149.308		
7,600.0	6,984.4	7,218.4	6,941.9	28.0	33.9	-89.85	-4,869.0	2,536.3	5,705.4	5,666.9	38.53	148.067		
7,677.1	6,984.0	7,217.8	6,941.3	28.5	33.9	-89.84	-4,869.0	2,536.3	5,647.0	5,607.6	39.35	143.507		
7,700.0	6,983.9	7,217.6	6,941.1	28.6	33.9	-89.84	-4,869.0	2,536.3	5,629.8	5,590.2	39.59	142.195		
7,775.6	6,983.5	7,217.1	6,940.5	29.2	33.9	-89.83	-4,869.0	2,536.3	5,573.1	5,532.7	40.46	137.746		
7,800.0	6,983.4	7,216.9	6,940.4	29.4	33.8	-89.82	-4,869.0	2,536.3	5,554.9	5,514.2	40.74	136.350		
7,874.0	6,983.1	7,216.3	6,939.8	30.0	33.8	-89.82	-4,869.0	2,536.3	5,500.0	5,458.3	41.67	131.982		
7,900.0	6,982.9	7,216.1	6,939.6	30.3	33.8	-89.81	-4,869.0	2,536.3	5,480.8	5,438.8	42.00	130.496		
7,972.4	6,982.6	7,215.5	6,939.0	31.0	33.8	-89.80	-4,869.0	2,536.3	5,427.7	5,384.7	42.98	126.280		
8,000.0	6,982.4	7,215.3	6,938.8	31.3	33.8	-89.80	-4,869.0	2,536.3	5,407.6	5,364.3	43.36	124.727		
8,070.8	6,982.1	7,214.8	6,938.3	32.1	33.8	-89.79	-4,869.0	2,536.3	5,356.3	5,311.9	44.37	120.710		
8,100.0	6,982.0	7,214.6	6,938.0	32.4	33.8	-89.79	-4,869.0	2,536.3	5,335.3	5,290.5	44.79	119.113		
8,169.3	6,981.6	7,214.0	6,937.5	33.2	33.8	-89.78	-4,869.0	2,536.3	5,285.7	5,239.8	45.83	115.323		
8,200.0	6,981.5	7,213.8	6,937.3	33.6	33.8	-89.78	-4,869.0	2,536.3	5,263.8	5,217.5	46.30	113.700		
8,267.7	6,981.1	7,213.2	6,936.7	34.5	33.8	-89.77	-4,869.0	2,536.3	5,216.0	5,168.6	47.35	110.151		
8,300.0	6,981.0	7,213.0	6,936.5	34.9	33.8	-89.77	-4,869.0	2,536.3	5,193.3	5,145.5	47.86	108.516		
8,366.1	6,980.7	7,212.5	6,936.0	35.8	33.8	-89.76	-4,869.0	2,536.3	5,147.2	5,098.3	48.92	105.211		
8,400.0	6,980.5	7,212.2	6,935.7	36.3	33.8	-89.75	-4,869.0	2,536.3	5,123.8	5,074.3	49.47	103.577		
8,464.5	6,980.2	7,211.7	6,935.2	37.2	33.8	-89.75	-4,869.0	2,536.2	5,079.5	5,028.9	50.54	100.513		
8,500.0	6,980.0	7,211.4	6,934.9	37.7	33.8	-89.74	-4,869.0	2,536.2	5,055.3	5,004.2	51.12	98.888		
8,563.0	6,979.7	7,210.9	6,934.4	38.6	33.8	-89.73	-4,869.0	2,536.2	5,012.7	4,960.5	52.18	96.057		
8,600.0	6,979.5	7,210.6	6,934.1	39.1	33.8	-89.73	-4,869.0	2,536.2	4,987.9	4,935.0	52.81	94.450		
8,661.4	6,979.2	7,210.2	6,933.6	40.1	33.8	-89.72	-4,869.0	2,536.2	4,947.0	4,893.1	53.87	91.840		
8,700.0	6,979.0	7,209.8	6,933.3	40.7	33.8	-89.72	-4,869.0	2,536.2	4,921.5	4,867.0	54.53	90.255		
8,759.8	6,978.7	7,209.4	6,932.9	41.6	33.8	-89.71	-4,869.0	2,536.2	4,882.4	4,826.8	55.57	87.855		
8,800.0	6,978.5	7,209.1	6,932.5	42.2	33.8	-89.70	-4,869.0	2,536.2	4,856.3	4,800.1	56.27	86.297		
8,858.2	6,978.2	7,208.6	6,932.1	43.1	33.8	-89.70	-4,869.0	2,536.2	4,818.9	4,761.6	57.30	84.093		
8,900.0	6,978.0	7,208.3	6,931.7	43.8	33.8	-89.69	-4,869.0	2,536.2	4,792.4	4,734.3	58.04	82.565		
8,956.7	6,977.8	7,207.8	6,931.3	44.7	33.8	-89.69	-4,869.0	2,536.2	4,756.7	4,697.6	59.06	80.543		
9,000.0	6,977.5	7,207.5	6,930.9	45.4	33.8	-89.68	-4,869.0	2,536.2	4,729.6	4,669.8	59.83	79.048		
9,055.1	6,977.3	7,207.0	6,930.5	46.3	33.8	-89.67	-4,869.0	2,536.2	4,695.6	4,634.8	60.83	77.196		
9,100.0	6,977.1	7,206.7	6,930.1	47.1	33.8	-89.67	-4,869.0	2,536.2	4,668.2	4,606.6	61.64	75.735		
9,153.5	6,976.8	7,206.2	6,929.7	48.0	33.8	-89.66	-4,869.0	2,536.2	4,635.9	4,573.3	62.61	74.039		
9,200.0	6,976.6	7,205.9	6,929.3	48.8	33.8	-89.66	-4,869.0	2,536.2	4,608.1	4,544.7	63.46	72.614		
9,251.9	6,976.3	7,205.4	6,928.9	49.7	33.8	-89.65	-4,869.0	2,536.2	4,577.5	4,513.1	64.41	71.063		
9,300.0	6,976.1	7,205.1	6,928.5	50.5	33.8	-89.64	-4,869.0	2,536.2	4,549.5	4,484.2	65.30	69.674		
9,350.4	6,975.8	7,204.7	6,928.1	51.3	33.8	-89.64	-4,869.0	2,536.2	4,520.5	4,454.2	66.23	68.257		
9,400.0	6,975.6	7,204.3	6,927.7	52.2	33.8	-89.63	-4,869.0	2,536.2	4,492.3	4,425.1	67.14	66.905		
9,448.8	6,975.3	7,203.9	6,927.3	53.1	33.8	-89.62	-4,869.0	2,536.2	4,464.9	4,396.8	68.05	65.611		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 134-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.0	6,975.1	7,203.4	6,926.9	54.0	33.8	-89.62	-4,869.0	2,536.2	4,436.6	4,367.6	69.00	64.295	
9,547.2	6,974.9	7,203.1	6,926.5	54.8	33.8	-89.61	-4,869.0	2,536.2	4,410.8	4,340.9	69.89	63.115	
9,600.0	6,974.6	7,202.6	6,926.1	55.7	33.8	-89.61	-4,869.0	2,536.1	4,382.4	4,311.6	70.87	61.837	
9,645.6	6,974.4	7,202.3	6,925.7	56.5	33.8	-89.60	-4,869.0	2,536.1	4,358.3	4,286.6	71.73	60.761	
9,700.0	6,974.1	7,201.8	6,925.3	57.5	33.8	-89.59	-4,869.0	2,536.1	4,330.0	4,257.2	72.75	59.520	
9,744.1	6,973.9	7,201.5	6,924.9	58.3	33.8	-89.59	-4,869.0	2,536.1	4,307.4	4,233.8	73.58	58.541	
9,800.0	6,973.6	7,201.0	6,924.5	59.3	33.8	-89.58	-4,869.0	2,536.1	4,279.2	4,204.5	74.63	57.336	
9,842.5	6,973.4	7,200.7	6,924.1	60.0	33.8	-89.58	-4,869.0	2,536.1	4,258.1	4,182.7	75.44	56.446	
9,900.0	6,973.1	7,200.2	6,923.7	61.1	33.8	-89.57	-4,869.0	2,536.1	4,230.1	4,153.6	76.52	55.278	
9,940.9	6,972.9	7,199.9	6,923.3	61.8	33.8	-89.56	-4,869.0	2,536.1	4,210.6	4,133.3	77.30	54.470	
10,000.0	6,972.6	7,199.4	6,922.8	62.9	33.8	-89.56	-4,869.0	2,536.1	4,182.9	4,104.5	78.42	53.338	
10,039.3	6,972.4	7,199.0	6,922.5	63.6	33.8	-89.55	-4,869.0	2,536.1	4,164.8	4,085.7	79.17	52.605	
10,100.0	6,972.1	7,198.5	6,922.0	64.7	33.8	-89.54	-4,869.0	2,536.1	4,137.6	4,057.2	80.33	51.509	
10,137.8	6,972.0	7,198.2	6,921.7	65.4	33.8	-89.54	-4,869.0	2,536.1	4,120.9	4,039.9	81.05	50.846	
10,200.0	6,971.6	7,197.7	6,921.2	66.6	33.8	-89.53	-4,869.0	2,536.1	4,094.2	4,011.9	82.24	49.786	
10,236.2	6,971.5	7,197.4	6,920.9	67.2	33.8	-89.53	-4,869.0	2,536.1	4,078.9	3,996.0	82.93	49.186	
10,300.0	6,971.2	7,196.9	6,920.4	68.4	33.8	-89.52	-4,869.0	2,536.1	4,052.8	3,968.6	84.15	48.161	
10,334.6	6,971.0	7,196.6	6,920.1	69.0	33.8	-89.51	-4,869.0	2,536.1	4,038.9	3,954.1	84.81	47.621	
10,400.0	6,970.7	7,196.1	6,919.5	70.2	33.8	-89.50	-4,869.0	2,536.1	4,013.4	3,927.3	86.07	46.631	
10,433.0	6,970.5	7,195.8	6,919.3	70.9	33.8	-89.50	-4,869.0	2,536.1	4,000.9	3,914.2	86.70	46.145	
10,500.0	6,970.2	7,195.2	6,918.7	72.1	33.8	-89.49	-4,869.0	2,536.1	3,976.2	3,888.2	87.99	45.189	
10,531.5	6,970.0	7,195.0	6,918.5	72.7	33.8	-89.49	-4,869.0	2,536.1	3,964.9	3,876.3	88.60	44.753	
10,600.0	6,969.7	7,194.4	6,917.9	74.0	33.8	-89.48	-4,869.0	2,536.1	3,941.2	3,851.3	89.92	43.832	
10,629.9	6,969.5	7,194.1	6,917.6	74.5	33.8	-89.48	-4,869.0	2,536.0	3,931.1	3,840.7	90.49	43.441	
10,700.0	6,969.2	7,193.6	6,917.0	75.8	33.8	-89.47	-4,869.0	2,536.0	3,908.4	3,816.6	91.85	42.554	
10,728.3	6,969.0	7,193.3	6,916.8	76.4	33.8	-89.46	-4,869.0	2,536.0	3,899.5	3,807.1	92.39	42.206	
10,800.0	6,968.7	7,192.7	6,916.2	77.7	33.8	-89.45	-4,869.0	2,536.0	3,877.9	3,784.2	93.78	41.352	
10,826.7	6,968.6	7,192.5	6,916.0	78.2	33.8	-89.45	-4,869.0	2,536.0	3,870.2	3,775.9	94.30	41.043	
10,900.0	6,968.2	7,191.9	6,915.4	79.6	33.8	-89.44	-4,869.0	2,536.0	3,849.8	3,754.1	95.71	40.222	
10,925.2	6,968.1	7,191.7	6,915.1	80.1	33.8	-89.44	-4,869.0	2,536.0	3,843.1	3,746.9	96.20	39.948	
11,000.0	6,967.7	7,191.0	6,914.5	81.5	33.8	-89.43	-4,869.0	2,536.0	3,824.1	3,726.5	97.65	39.160	
11,023.6	6,967.6	7,190.8	6,914.3	81.9	33.8	-89.42	-4,869.0	2,536.0	3,818.4	3,720.3	98.11	38.919	
11,100.0	6,967.2	7,190.2	6,913.7	83.4	33.8	-89.41	-4,869.0	2,536.0	3,800.9	3,701.3	99.59	38.164	
11,122.0	6,967.1	7,190.0	6,913.5	83.8	33.8	-89.41	-4,869.0	2,536.0	3,796.1	3,696.0	100.02	37.953	
11,200.0	6,966.7	7,189.3	6,912.8	85.3	33.8	-89.40	-4,869.0	2,536.0	3,780.1	3,678.6	101.54	37.229	
11,220.4	6,966.6	7,189.2	6,912.6	85.7	33.8	-89.40	-4,869.0	2,536.0	3,776.2	3,674.2	101.93	37.045	
11,300.0	6,966.2	7,188.5	6,912.0	87.2	33.8	-89.39	-4,869.0	2,536.0	3,761.9	3,658.4	103.48	36.353	
11,318.9	6,966.1	7,188.3	6,911.8	87.5	33.8	-89.39	-4,869.0	2,536.0	3,758.8	3,654.9	103.85	36.194	
11,400.0	6,965.7	7,187.6	6,911.1	89.1	33.8	-89.37	-4,869.0	2,536.0	3,746.3	3,640.8	105.43	35.534	
11,417.3	6,965.6	7,187.5	6,911.0	89.4	33.8	-89.37	-4,869.0	2,536.0	3,743.8	3,638.1	105.77	35.397	
11,500.0	6,965.2	7,186.8	6,910.3	91.0	33.8	-89.36	-4,869.0	2,536.0	3,733.3	3,625.9	107.38	34.768	
11,515.7	6,965.2	7,186.6	6,910.1	91.3	33.8	-89.36	-4,869.0	2,536.0	3,731.5	3,623.8	107.68	34.652	
11,600.0	6,964.7	7,185.9	6,909.4	92.9	33.8	-89.35	-4,869.0	2,535.9	3,722.9	3,613.6	109.33	34.052	
11,614.1	6,964.7	7,185.8	6,909.3	93.2	33.8	-89.35	-4,869.0	2,535.9	3,721.6	3,612.0	109.60	33.955	
11,700.0	6,964.3	7,185.1	6,908.5	94.8	33.8	-89.33	-4,869.0	2,535.9	3,715.2	3,603.9	111.28	33.386	
11,712.6	6,964.2	7,184.9	6,908.4	95.1	33.8	-89.33	-4,869.0	2,535.9	3,714.4	3,602.9	111.53	33.305	
11,800.0	6,963.8	7,184.2	6,907.7	96.7	33.8	-89.32	-4,869.0	2,535.9	3,710.2	3,596.9	113.24	32.765	
11,811.0	6,963.7	7,184.1	6,907.6	97.0	33.8	-89.32	-4,869.0	2,535.9	3,709.8	3,596.3	113.45	32.700	
11,900.0	6,963.3	7,183.3	6,906.8	98.7	33.8	-89.31	-4,869.0	2,535.9	3,707.8	3,592.7	115.19	32.189	
11,909.4	6,963.2	7,183.2	6,906.7	98.9	33.8	-89.31	-4,869.0	2,535.9	3,707.8	3,592.4	115.38	32.137	
11,936.5	6,963.1	7,183.0	6,906.5	99.4	33.8	-89.30	-4,869.0	2,535.9	3,707.7	3,591.8	115.90	31.989 CC	
12,000.0	6,962.8	7,182.4	6,905.9	100.6	33.8	-89.29	-4,869.0	2,535.9	3,708.2	3,591.1	117.15	31.654	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 134-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,007.8	6,962.7	7,182.4	6,905.9	100.7	33.8	-89.29	-4,869.0	2,535.9	3,708.4	3,591.1	117.30	31.614	ES
12,100.0	6,962.3	7,181.6	6,905.1	102.5	33.8	-89.28	-4,869.0	2,535.9	3,711.3	3,592.2	119.11	31.159	
12,106.3	6,962.2	7,181.5	6,905.0	102.6	33.8	-89.28	-4,869.0	2,535.9	3,711.6	3,592.3	119.23	31.130	
12,200.0	6,961.8	7,180.7	6,904.2	104.5	33.8	-89.27	-4,869.1	2,535.9	3,717.0	3,596.0	121.07	30.703	
12,204.7	6,961.8	7,180.7	6,904.1	104.5	33.8	-89.27	-4,869.1	2,535.9	3,717.4	3,596.2	121.16	30.682	
12,300.0	6,961.3	7,179.8	6,903.3	106.4	33.8	-89.25	-4,869.1	2,535.9	3,725.4	3,602.4	123.03	30.282	
12,303.1	6,961.3	7,179.8	6,903.3	106.4	33.8	-89.25	-4,869.1	2,535.9	3,725.7	3,602.7	123.09	30.269	
12,400.0	6,960.8	7,178.9	6,902.4	108.3	33.8	-89.24	-4,869.1	2,535.9	3,736.5	3,611.5	124.99	29.895	
12,401.5	6,960.8	7,178.9	6,902.4	108.3	33.8	-89.24	-4,869.1	2,535.9	3,736.7	3,611.7	125.02	29.890	
12,500.0	6,960.3	7,178.1	6,901.5	110.3	33.8	-89.23	-4,869.1	2,535.9	3,750.2	3,623.3	126.95	29.541	
12,598.4	6,959.8	7,177.2	6,900.7	112.2	33.8	-89.21	-4,869.1	2,535.8	3,766.3	3,637.4	128.88	29.223	
12,600.0	6,959.8	7,177.2	6,900.7	112.2	33.8	-89.21	-4,869.1	2,535.8	3,766.6	3,637.7	128.91	29.218	
12,696.8	6,959.3	7,176.3	6,899.8	114.1	33.8	-89.20	-4,869.1	2,535.8	3,784.8	3,654.0	130.82	28.933	
12,700.0	6,959.3	7,176.3	6,899.8	114.1	33.8	-89.20	-4,869.1	2,535.8	3,785.5	3,654.6	130.88	28.924	
12,795.2	6,958.8	7,175.4	6,898.9	116.0	33.8	-89.19	-4,869.1	2,535.8	3,805.8	3,673.1	132.75	28.669	
12,800.0	6,958.8	7,175.4	6,898.9	116.1	33.8	-89.19	-4,869.1	2,535.8	3,806.9	3,674.0	132.84	28.657	
12,893.7	6,958.3	7,174.6	6,898.0	117.9	33.8	-89.17	-4,869.1	2,535.8	3,829.2	3,694.5	134.68	28.431	
12,900.0	6,958.3	7,174.5	6,898.0	118.0	33.8	-89.17	-4,869.1	2,535.8	3,830.8	3,696.0	134.81	28.417	
12,992.1	6,957.9	7,173.7	6,897.2	119.8	33.8	-89.16	-4,869.1	2,535.8	3,855.0	3,718.4	136.62	28.217	
13,000.0	6,957.8	7,173.6	6,897.1	120.0	33.8	-89.16	-4,869.1	2,535.8	3,857.2	3,720.4	136.78	28.201	
13,090.5	6,957.4	7,172.8	6,896.3	121.7	33.8	-89.15	-4,869.1	2,535.8	3,883.1	3,744.6	138.56	28.025	
13,100.0	6,957.3	7,172.7	6,896.2	121.9	33.8	-89.14	-4,869.1	2,535.8	3,885.9	3,747.2	138.74	28.008	
13,188.9	6,956.9	7,171.9	6,895.4	123.6	33.8	-89.13	-4,869.1	2,535.8	3,913.5	3,773.0	140.49	27.855	
13,200.0	6,956.8	7,171.8	6,895.3	123.9	33.8	-89.13	-4,869.1	2,535.8	3,917.0	3,776.3	140.71	27.837	
13,287.4	6,956.4	7,171.0	6,894.5	125.6	33.8	-89.12	-4,869.1	2,535.8	3,946.1	3,803.7	142.43	27.705	
13,300.0	6,956.3	7,170.9	6,894.4	125.8	33.8	-89.12	-4,869.1	2,535.8	3,950.4	3,807.7	142.68	27.687	
13,385.8	6,955.9	7,170.1	6,893.6	127.5	33.8	-89.10	-4,869.1	2,535.8	3,980.9	3,836.5	144.37	27.574	
13,400.0	6,955.8	7,170.0	6,893.5	127.8	33.8	-89.10	-4,869.1	2,535.8	3,986.1	3,841.4	144.65	27.556	
13,484.2	6,955.4	7,169.2	6,892.7	129.4	33.8	-89.09	-4,869.1	2,535.7	4,017.7	3,871.4	146.31	27.460	
13,500.0	6,955.3	7,169.1	6,892.6	129.7	33.8	-89.09	-4,869.1	2,535.7	4,023.8	3,877.2	146.62	27.444	
13,582.6	6,954.9	7,168.3	6,891.8	131.3	33.8	-89.08	-4,869.1	2,535.7	4,056.7	3,908.4	148.25	27.364	
13,600.0	6,954.8	7,168.2	6,891.6	131.7	33.8	-89.07	-4,869.1	2,535.7	4,063.7	3,915.1	148.59	27.348	
13,681.1	6,954.4	7,167.4	6,890.9	133.2	33.8	-89.06	-4,869.1	2,535.7	4,097.6	3,947.4	150.19	27.283	
13,700.0	6,954.3	7,167.2	6,890.7	133.6	33.8	-89.06	-4,869.1	2,535.7	4,105.7	3,955.1	150.56	27.269	
13,779.5	6,953.9	7,166.5	6,890.0	135.2	33.8	-89.05	-4,869.1	2,535.7	4,140.5	3,988.3	152.13	27.217	
13,800.0	6,953.8	7,166.3	6,889.8	135.6	33.8	-89.04	-4,869.1	2,535.7	4,149.6	3,997.1	152.53	27.204	
13,877.9	6,953.5	7,165.6	6,889.1	137.1	33.8	-89.03	-4,869.1	2,535.7	4,185.2	4,031.1	154.07	27.164	
13,900.0	6,953.3	7,165.4	6,888.9	137.5	33.8	-89.03	-4,869.1	2,535.7	4,195.5	4,041.0	154.51	27.154	
13,976.3	6,953.0	7,164.7	6,888.2	139.0	33.8	-89.02	-4,869.1	2,535.7	4,231.8	4,075.7	156.01	27.124	
14,000.0	6,952.8	7,164.5	6,888.0	139.5	33.8	-89.02	-4,869.1	2,535.7	4,243.2	4,086.7	156.48	27.117	
14,074.8	6,952.5	7,163.8	6,887.3	140.9	33.8	-89.01	-4,869.1	2,535.7	4,280.1	4,122.1	157.96	27.097	
14,100.0	6,952.4	7,163.5	6,887.0	141.4	33.8	-89.00	-4,869.1	2,535.7	4,292.7	4,134.3	158.45	27.091	
14,170.4	6,952.0	7,162.9	6,886.4	142.8	33.8	-88.99	-4,869.1	2,535.7	4,328.6	4,168.8	159.78	27.091	SF

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 726-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	170.13	-5,114.8	889.6	5,191.6				
98.4	98.4	82.9	82.9	0.1	0.1	170.13	-5,114.9	889.6	5,191.7	5,191.5	0.18	N/A	
100.0	100.0	84.4	84.4	0.1	0.1	170.13	-5,114.9	889.6	5,191.7	5,191.5	0.18	N/A	
196.8	196.8	176.7	176.7	0.3	0.2	170.14	-5,115.0	889.3	5,191.8	5,191.3	0.50	N/A	
200.0	200.0	179.7	179.7	0.3	0.2	170.14	-5,115.1	889.3	5,191.8	5,191.3	0.51	N/A	
295.3	295.3	270.5	270.5	0.5	0.3	170.14	-5,115.3	888.9	5,192.0	5,191.2	0.81	6,375.054	
300.0	300.0	275.0	275.0	0.5	0.3	170.14	-5,115.3	888.9	5,192.0	5,191.2	0.83	6,257.861	
393.7	393.7	364.3	364.3	0.8	0.4	170.15	-5,115.7	888.3	5,192.3	5,191.2	1.13	4,586.132	
400.0	400.0	370.3	370.3	0.8	0.4	170.15	-5,115.7	888.3	5,192.3	5,191.2	1.15	4,505.220	
492.1	492.1	458.1	458.1	1.0	0.5	170.16	-5,116.2	887.5	5,192.7	5,191.2	1.45	3,581.360	
500.0	500.0	465.6	465.6	1.0	0.5	170.16	-5,116.3	887.5	5,192.7	5,191.2	1.48	3,519.670	
590.5	590.5	551.9	551.9	1.2	0.6	170.17	-5,116.8	886.6	5,193.1	5,191.4	1.77	2,937.868	
600.0	600.0	561.0	560.9	1.2	0.6	170.17	-5,116.9	886.5	5,193.2	5,191.4	1.80	2,888.053	
689.0	689.0	645.8	645.7	1.4	0.7	170.18	-5,117.6	885.4	5,193.7	5,191.6	2.09	2,490.515	
700.0	700.0	656.3	656.2	1.4	0.7	170.19	-5,117.7	885.3	5,193.8	5,191.7	2.12	2,448.756	
787.4	787.4	726.0	726.0	1.6	0.8	170.20	-5,118.3	884.3	5,194.4	5,192.0	2.39	2,174.122	
800.0	800.0	726.0	726.0	1.7	0.8	170.20	-5,118.3	884.3	5,194.5	5,192.1	2.42	2,148.710	
885.8	885.8	797.4	797.3	1.9	0.9	170.20	-5,119.2	883.9	5,195.5	5,192.7	2.76	1,885.578	
900.0	900.0	806.4	806.3	1.9	0.9	170.20	-5,119.3	883.9	5,195.7	5,192.9	2.81	1,851.981	
984.2	984.2	854.0	853.9	2.1	1.0	170.20	-5,120.1	884.4	5,197.3	5,194.2	3.09	1,681.101	
1,000.0	1,000.0	854.0	853.9	2.1	1.0	170.20	-5,120.1	884.4	5,197.7	5,194.5	3.13	1,662.192	
1,082.7	1,082.7	904.4	904.3	2.3	1.1	-112.44	-5,121.2	885.7	5,200.4	5,197.0	3.41	1,525.688	
1,100.0	1,100.0	912.5	912.4	2.3	1.1	-112.43	-5,121.5	886.0	5,201.2	5,197.7	3.46	1,502.441	
1,181.1	1,181.0	983.0	982.8	2.5	1.3	-112.42	-5,123.8	889.7	5,206.0	5,202.2	3.77	1,380.121	
1,200.0	1,199.8	983.0	982.8	2.5	1.3	-112.40	-5,123.8	889.7	5,207.2	5,203.4	3.81	1,365.865	
1,279.5	1,279.1	983.0	982.8	2.7	1.3	-112.28	-5,123.8	889.7	5,213.5	5,209.5	3.99	1,306.011	
1,300.0	1,299.5	983.0	982.8	2.8	1.3	-112.25	-5,123.8	889.7	5,215.4	5,211.4	4.04	1,291.578	
1,377.9	1,376.9	1,036.6	1,036.2	3.0	1.4	-112.20	-5,126.1	893.6	5,223.4	5,219.1	4.35	1,201.415	
1,400.0	1,398.7	1,045.9	1,045.4	3.0	1.4	-112.17	-5,126.6	894.3	5,226.0	5,221.6	4.42	1,181.687	
1,476.4	1,474.2	1,111.0	1,110.2	3.2	1.6	-112.14	-5,130.5	900.0	5,236.0	5,231.2	4.78	1,096.517	
1,500.0	1,497.5	1,111.0	1,110.2	3.3	1.6	-112.08	-5,130.5	900.0	5,239.2	5,234.3	4.84	1,082.605	
1,574.8	1,571.0	1,111.0	1,110.2	3.5	1.6	-111.87	-5,130.5	900.0	5,250.4	5,245.4	5.07	1,035.408	
1,600.0	1,595.6	1,111.0	1,110.2	3.6	1.6	-111.80	-5,130.5	900.0	5,254.6	5,249.5	5.15	1,020.567	
1,673.2	1,667.0	1,111.0	1,110.2	3.9	1.6	-111.54	-5,130.5	900.0	5,267.9	5,262.5	5.41	973.931	
1,700.0	1,693.1	1,158.4	1,157.2	4.0	1.7	-111.61	-5,133.9	904.7	5,272.6	5,266.9	5.62	937.456	
1,735.7	1,727.6	1,170.0	1,168.7	4.1	1.7	-111.51	-5,134.9	906.0	5,279.6	5,273.8	5.79	911.371	
1,771.6	1,762.4	1,181.6	1,180.2	4.3	1.8	-111.56	-5,135.9	907.3	5,286.9	5,280.9	5.97	885.775	
1,800.0	1,789.8	1,190.7	1,189.2	4.4	1.8	-111.59	-5,136.7	908.4	5,292.8	5,286.7	6.11	866.749	
1,870.1	1,857.6	1,240.0	1,237.9	4.7	1.9	-111.77	-5,141.5	914.4	5,308.0	5,301.5	6.53	813.172	
1,900.0	1,886.6	1,240.0	1,237.9	4.8	1.9	-111.77	-5,141.5	914.4	5,314.5	5,307.8	6.65	798.607	
1,968.5	1,952.8	1,240.0	1,237.9	5.2	1.9	-111.77	-5,141.5	914.4	5,329.9	5,322.9	6.96	766.016	
2,000.0	1,983.3	1,240.0	1,237.9	5.3	1.9	-111.77	-5,141.5	914.4	5,337.3	5,330.2	7.10	751.970	
2,066.9	2,048.0	1,294.9	1,292.0	5.6	2.1	-111.98	-5,147.4	922.0	5,353.0	5,345.4	7.56	708.291	
2,100.0	2,080.0	1,311.0	1,307.7	5.8	2.2	-112.05	-5,149.2	924.4	5,360.9	5,353.2	7.75	691.455	
2,165.3	2,143.2	1,368.0	1,363.6	6.1	2.4	-112.28	-5,155.6	933.7	5,377.1	5,368.9	8.22	654.489	
2,200.0	2,176.7	1,368.0	1,363.6	6.3	2.4	-112.28	-5,155.6	933.7	5,385.7	5,377.3	8.38	642.887	
2,263.8	2,238.4	1,368.0	1,363.6	6.6	2.4	-112.28	-5,155.6	933.7	5,402.0	5,393.3	8.68	622.338	
2,300.0	2,273.4	1,368.0	1,363.6	6.8	2.4	-112.28	-5,155.6	933.7	5,411.6	5,402.7	8.85	611.328	
2,362.2	2,333.6	1,418.4	1,412.8	7.1	2.6	-112.48	-5,161.8	942.8	5,427.9	5,418.6	9.31	582.821	
2,400.0	2,370.2	1,431.5	1,425.6	7.3	2.6	-112.54	-5,163.5	945.2	5,438.2	5,428.7	9.54	570.224	
2,460.6	2,428.8	1,452.5	1,446.0	7.6	2.7	-112.63	-5,166.3	949.3	5,455.0	5,445.1	9.90	551.107	
2,500.0	2,466.9	1,496.0	1,488.2	7.8	2.9	-112.82	-5,172.3	958.0	5,466.4	5,456.2	10.23	534.538	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 726-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,559.0	2,524.0	1,496.0	1,488.2	8.1	2.9	-112.82	-5,172.3	958.0	5,483.3	5,472.8	10.52	521.430		
2,600.0	2,563.6	1,496.0	1,488.2	8.3	2.9	-112.82	-5,172.3	958.0	5,495.3	5,484.6	10.72	512.788		
2,657.5	2,619.2	1,496.0	1,488.2	8.6	2.9	-112.82	-5,172.3	958.0	5,512.7	5,501.7	11.00	501.137		
2,700.0	2,660.3	1,496.0	1,488.2	8.8	2.9	-112.82	-5,172.3	958.0	5,525.9	5,514.7	11.21	492.927		
2,755.9	2,714.4	1,552.5	1,542.7	9.1	3.2	-113.06	-5,180.9	969.9	5,542.9	5,531.2	11.69	474.031		
2,800.0	2,757.0	1,567.2	1,556.9	9.4	3.3	-113.13	-5,183.3	973.1	5,556.9	5,544.9	11.96	464.437		
2,854.3	2,809.6	1,625.0	1,612.4	9.6	3.6	-113.38	-5,193.1	985.9	5,574.7	5,562.3	12.44	448.059		
2,900.0	2,853.8	1,625.0	1,612.4	9.9	3.6	-113.38	-5,193.1	985.9	5,589.5	5,576.8	12.67	441.176		
2,952.7	2,904.8	1,625.0	1,612.4	10.2	3.6	-113.38	-5,193.1	985.9	5,606.9	5,594.0	12.93	433.521		
3,000.0	2,950.5	1,625.0	1,612.4	10.4	3.6	-113.38	-5,193.1	985.9	5,622.9	5,609.7	13.17	426.954		
3,051.2	3,000.0	1,625.0	1,612.4	10.7	3.6	-113.38	-5,193.1	985.9	5,640.6	5,627.1	13.43	420.101		
3,100.0	3,047.2	1,676.8	1,661.9	10.9	3.9	-113.61	-5,202.4	997.9	5,657.3	5,643.5	13.87	407.770		
3,149.6	3,095.2	1,697.2	1,681.4	11.2	4.0	-113.70	-5,206.2	1,002.7	5,674.8	5,660.6	14.20	399.559		
3,200.0	3,143.9	1,717.9	1,701.0	11.5	4.1	-113.79	-5,210.1	1,007.7	5,692.8	5,678.2	14.54	391.638		
3,248.0	3,190.4	1,753.0	1,734.4	11.7	4.3	-113.95	-5,216.8	1,016.3	5,710.1	5,695.2	14.91	382.914		
3,300.0	3,240.6	1,753.0	1,734.4	12.0	4.3	-113.95	-5,216.8	1,016.3	5,729.1	5,713.9	15.17	377.557		
3,346.4	3,285.6	1,753.0	1,734.4	12.3	4.3	-113.95	-5,216.8	1,016.3	5,746.4	5,731.0	15.41	372.932		
3,400.0	3,337.4	1,800.3	1,779.1	12.5	4.6	-114.16	-5,226.1	1,028.4	5,766.4	5,750.5	15.88	363.173		
3,444.9	3,380.8	1,818.7	1,796.5	12.8	4.7	-114.25	-5,229.8	1,033.3	5,783.4	5,767.2	16.18	357.382		
3,500.0	3,434.1	1,841.1	1,817.7	13.1	4.9	-114.35	-5,234.3	1,039.3	5,804.5	5,787.9	16.56	350.598		
3,543.3	3,476.0	1,882.0	1,856.0	13.3	5.2	-114.54	-5,242.6	1,050.7	5,821.4	5,804.4	16.94	343.566		
3,600.0	3,530.8	1,882.0	1,856.0	13.6	5.2	-114.54	-5,242.6	1,050.7	5,843.5	5,826.3	17.23	339.136		
3,641.7	3,571.2	1,882.0	1,856.0	13.8	5.2	-114.54	-5,242.6	1,050.7	5,860.1	5,842.6	17.44	335.980		
3,700.0	3,627.5	1,882.0	1,856.0	14.2	5.2	-114.54	-5,242.6	1,050.7	5,883.7	5,865.9	17.74	331.721		
3,740.1	3,666.4	1,931.8	1,902.6	14.4	5.5	-114.78	-5,253.1	1,064.9	5,899.7	5,881.6	18.17	324.705		
3,800.0	3,724.2	1,953.1	1,922.4	14.7	5.7	-114.88	-5,257.7	1,071.2	5,924.3	5,905.7	18.57	319.036		
3,838.6	3,761.6	1,966.7	1,935.1	14.9	5.8	-114.94	-5,260.7	1,075.2	5,940.3	5,921.5	18.83	315.528		
3,900.0	3,821.0	2,010.0	1,975.2	15.2	6.1	-115.15	-5,270.4	1,088.1	5,966.1	5,946.8	19.33	308.626		
3,937.0	3,856.8	2,010.0	1,975.2	15.4	6.1	-115.15	-5,270.4	1,088.1	5,981.7	5,962.2	19.52	306.461		
4,000.0	3,917.7	2,010.0	1,975.2	15.8	6.1	-115.15	-5,270.4	1,088.1	6,008.7	5,988.9	19.84	302.891		
4,035.4	3,951.9	2,010.0	1,975.2	16.0	6.1	-115.15	-5,270.4	1,088.1	6,024.2	6,004.1	20.02	300.942		
4,100.0	4,014.4	2,065.4	2,026.3	16.3	6.5	-115.41	-5,283.1	1,105.2	6,052.2	6,031.6	20.62	293.555		
4,133.8	4,047.1	2,078.7	2,038.6	16.5	6.6	-115.48	-5,286.1	1,109.5	6,067.1	6,046.2	20.85	290.939		
4,200.0	4,111.1	2,104.7	2,062.4	16.9	6.8	-115.60	-5,292.2	1,117.9	6,096.5	6,075.2	21.31	286.035		
4,232.3	4,142.3	2,138.0	2,092.9	17.0	7.1	-115.77	-5,300.0	1,128.9	6,111.0	6,089.4	21.64	282.439		
4,300.0	4,207.8	2,138.0	2,092.9	17.4	7.1	-115.77	-5,300.0	1,128.9	6,141.6	6,119.6	21.98	279.422		
4,330.7	4,237.5	2,138.0	2,092.9	17.6	7.1	-115.77	-5,300.0	1,128.9	6,155.6	6,133.5	22.14	278.092		
4,400.0	4,304.6	2,138.0	2,092.9	17.9	7.1	-115.77	-5,300.0	1,128.9	6,187.8	6,165.3	22.49	275.178		
4,429.1	4,332.7	2,179.8	2,130.9	18.1	7.5	-115.98	-5,310.0	1,143.2	6,201.1	6,178.3	22.86	271.292		
4,500.0	4,401.3	2,200.3	2,149.4	18.5	7.6	-116.08	-5,314.9	1,150.3	6,234.4	6,211.1	23.32	267.288		
4,527.5	4,427.9	2,208.1	2,156.5	18.6	7.7	-116.12	-5,316.9	1,153.1	6,247.5	6,224.0	23.51	265.785		
4,600.0	4,498.0	2,267.0	2,209.4	19.0	8.2	-116.41	-5,331.7	1,174.2	6,282.5	6,258.3	24.18	259.830		
4,626.0	4,523.1	2,267.0	2,209.4	19.2	8.2	-116.41	-5,331.7	1,174.2	6,295.0	6,270.6	24.31	258.937		
4,700.0	4,594.7	2,267.0	2,209.4	19.6	8.2	-116.41	-5,331.7	1,174.2	6,330.9	6,306.2	24.69	256.461		
4,724.4	4,618.3	2,267.0	2,209.4	19.7	8.2	-116.41	-5,331.7	1,174.2	6,342.8	6,318.0	24.81	255.667		
4,800.0	4,691.5	2,267.0	2,209.4	20.1	8.2	-116.41	-5,331.7	1,174.2	6,380.4	6,355.2	25.19	253.273		
4,822.8	4,713.5	2,267.0	2,209.4	20.2	8.2	-116.41	-5,331.7	1,174.2	6,391.9	6,366.6	25.31	252.569		
4,900.0	4,788.2	2,267.0	2,209.4	20.7	8.2	-116.41	-5,331.7	1,174.2	6,431.1	6,405.4	25.70	250.254		
4,921.2	4,808.7	2,312.8	2,250.3	20.8	8.6	-116.64	-5,343.8	1,191.1	6,441.6	6,415.5	26.06	247.206		
5,000.0	4,884.9	2,332.1	2,267.4	21.2	8.8	-116.74	-5,349.1	1,198.3	6,482.0	6,455.4	26.56	244.040		
5,019.7	4,903.9	2,337.0	2,271.7	21.3	8.9	-116.76	-5,350.4	1,200.1	6,492.2	6,465.5	26.69	243.273		
5,100.0	4,981.6	2,395.0	2,322.9	21.8	9.4	-117.05	-5,367.0	1,221.8	6,534.5	6,507.0	27.41	238.439		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 726-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,118.1	4,999.1	2,395.0	2,322.9	21.8	9.4	-117.05	-5,367.0	1,221.8	6,543.9	6,516.4	27.50	237.989	
5,200.0	5,078.3	2,395.0	2,322.9	22.3	9.4	-117.05	-5,367.0	1,221.8	6,587.1	6,559.2	27.91	236.007	
5,216.5	5,094.3	2,395.0	2,322.9	22.4	9.4	-117.05	-5,367.0	1,221.8	6,595.9	6,567.9	27.99	235.616	
5,300.0	5,175.1	2,423.4	2,347.8	22.8	9.7	-117.19	-5,375.3	1,232.5	6,640.7	6,612.2	28.57	232.468	
5,314.9	5,189.5	2,434.0	2,357.2	22.9	9.8	-117.24	-5,378.4	1,236.5	6,648.8	6,620.1	28.70	231.683	
5,400.0	5,271.8	2,494.4	2,410.2	23.4	10.4	-117.54	-5,396.0	1,259.5	6,694.8	6,665.4	29.44	227.394	
5,413.4	5,284.7	2,503.9	2,418.5	23.5	10.5	-117.58	-5,398.8	1,263.1	6,702.1	6,672.5	29.56	226.746	
5,500.0	5,368.5	2,584.2	2,488.9	23.9	11.2	-117.97	-5,421.9	1,294.1	6,749.1	6,718.7	30.40	222.033	
5,511.8	5,379.9	2,596.4	2,499.6	24.0	11.3	-118.03	-5,425.4	1,298.8	6,755.5	6,725.0	30.52	221.373	
5,600.0	5,465.2	2,698.7	2,589.3	24.5	12.2	-118.53	-5,454.3	1,338.5	6,803.3	6,771.9	31.46	216.277	
5,610.2	5,475.1	2,712.6	2,601.5	24.5	12.4	-118.60	-5,458.2	1,343.9	6,808.9	6,777.3	31.57	215.646	
5,647.2	5,510.9	2,762.8	2,645.7	24.7	12.8	-118.84	-5,472.0	1,363.5	6,828.8	6,796.8	32.00	213.412	
5,700.0	5,562.1	2,780.0	2,660.8	25.0	13.0	-119.50	-5,476.7	1,370.1	6,857.1	6,825.0	32.16	213.207	
5,708.6	5,570.5	2,780.0	2,660.8	25.0	13.0	-119.60	-5,476.7	1,370.1	6,861.7	6,829.6	32.17	213.315	
5,800.0	5,659.6	2,832.1	2,706.5	25.3	13.5	-120.81	-5,491.1	1,390.5	6,910.0	6,877.5	32.49	212.706	
5,807.1	5,666.6	2,834.8	2,708.9	25.4	13.5	-120.90	-5,491.9	1,391.6	6,913.7	6,881.2	32.50	212.723	
5,900.0	5,757.9	2,870.2	2,739.8	25.7	13.8	-122.01	-5,501.8	1,405.5	6,962.0	6,929.3	32.70	212.933	
5,905.5	5,763.3	2,872.3	2,741.7	25.7	13.9	-122.07	-5,502.4	1,406.4	6,964.8	6,932.1	32.71	212.959	
6,000.0	5,856.7	2,909.0	2,773.7	26.0	14.2	-123.15	-5,512.9	1,420.9	7,013.0	6,980.2	32.87	213.368	
6,003.9	5,860.6	2,909.0	2,773.7	26.0	14.2	-123.18	-5,512.9	1,420.9	7,015.0	6,982.1	32.87	213.442	
6,100.0	5,956.1	2,979.2	2,834.8	26.2	14.9	-124.34	-5,533.1	1,449.1	7,062.9	7,029.7	33.18	212.837	
6,102.3	5,958.4	2,980.9	2,836.2	26.2	15.0	-124.36	-5,533.5	1,449.8	7,064.0	7,030.8	33.19	212.829	
6,200.0	6,055.7	3,037.0	2,884.8	26.4	15.5	-125.42	-5,549.4	1,472.9	7,111.2	7,077.9	33.40	212.934	
6,200.8	6,056.5	3,037.0	2,884.8	26.4	15.5	-125.43	-5,549.4	1,472.9	7,111.6	7,078.2	33.40	212.951	
6,299.2	6,154.8	3,099.0	2,938.4	26.5	16.2	-126.45	-5,566.8	1,498.8	7,157.9	7,124.2	33.62	212.928	
6,300.0	6,155.6	3,099.4	2,938.7	26.5	16.2	-126.46	-5,567.0	1,499.0	7,158.2	7,124.6	33.62	212.931	
6,382.9	6,238.5	3,166.0	2,996.0	26.6	16.9	155.37	-5,585.9	1,527.1	7,196.2	7,162.4	33.79	212.962	
6,397.6	6,253.2	3,166.0	2,996.0	26.6	16.9	155.37	-5,585.9	1,527.1	7,202.8	7,169.0	33.81	213.051	
6,400.0	6,255.6	3,166.0	2,996.0	26.6	16.9	155.37	-5,585.9	1,527.1	7,203.9	7,170.1	33.81	213.065	
6,412.9	6,268.5	3,166.0	2,996.0	26.6	16.9	155.37	-5,585.9	1,527.1	7,209.7	7,175.9	33.83	213.136	
6,450.0	6,305.6	3,315.3	3,125.2	26.7	18.4	-24.61	-5,628.3	1,588.7	7,225.5	7,190.6	34.86	207.269	
6,496.0	6,351.5	3,679.0	3,446.9	26.7	21.7	-24.85	-5,726.3	1,727.1	7,241.0	7,204.3	36.63	197.701	
6,500.0	6,355.4	3,679.0	3,446.9	26.7	21.7	-24.81	-5,726.3	1,727.1	7,242.2	7,205.5	36.63	197.725	
6,550.0	6,404.8	3,721.6	3,485.1	26.7	22.0	-24.44	-5,737.6	1,742.2	7,255.5	7,218.8	36.73	197.534	
6,594.5	6,448.1	3,755.0	3,515.0	26.8	22.3	-24.21	-5,746.3	1,754.2	7,264.8	7,228.2	36.63	198.343	
6,600.0	6,453.5	3,759.1	3,518.7	26.8	22.4	-24.19	-5,747.4	1,755.7	7,265.8	7,229.2	36.60	198.505	
6,650.0	6,501.3	3,808.0	3,562.4	26.8	22.8	-24.08	-5,760.1	1,773.6	7,273.1	7,236.8	36.32	200.250	
6,692.9	6,541.4	3,808.0	3,562.4	26.8	22.8	-23.95	-5,760.1	1,773.6	7,277.0	7,241.2	35.75	203.576	
6,700.0	6,548.0	3,808.0	3,562.4	26.8	22.8	-23.94	-5,760.1	1,773.6	7,277.4	7,241.8	35.64	204.211	
6,750.0	6,593.3	3,853.4	3,602.8	26.8	23.2	-24.04	-5,771.9	1,790.4	7,278.6	7,243.6	34.97	208.118	
6,791.3	6,629.6	3,875.2	3,622.3	26.8	23.5	-24.15	-5,777.6	1,798.6	7,277.3	7,243.1	34.23	212.623	
6,800.0	6,637.0	3,879.7	3,626.3	26.8	23.5	-24.19	-5,778.8	1,800.3	7,276.8	7,242.8	34.05	213.686	
6,850.0	6,679.0	3,905.6	3,649.3	26.8	23.7	-24.44	-5,785.6	1,810.0	7,272.0	7,239.1	32.98	220.508	
6,889.7	6,710.9	3,936.0	3,676.2	26.8	24.0	-24.75	-5,793.7	1,821.5	7,266.1	7,234.1	32.07	226.579	
6,900.0	6,718.9	3,936.0	3,676.2	26.8	24.0	-24.82	-5,793.7	1,821.5	7,264.3	7,232.5	31.79	228.512	
6,950.0	6,756.7	3,972.1	3,708.2	26.8	24.4	-25.34	-5,803.3	1,835.1	7,253.6	7,223.1	30.51	237.707	
6,988.2	6,783.9	4,006.0	3,738.4	26.8	24.7	-25.85	-5,812.4	1,847.8	7,243.4	7,213.9	29.52	245.363	
7,000.0	6,792.0	4,016.4	3,747.6	26.8	24.8	-26.02	-5,815.2	1,851.6	7,239.9	7,210.7	29.20	247.918	
7,050.0	6,824.8	4,059.3	3,785.7	26.8	25.2	-26.85	-5,826.9	1,867.4	7,223.3	7,195.4	27.87	259.188	
7,086.6	6,847.2	4,064.0	3,789.9	26.8	25.2	-27.42	-5,828.2	1,869.1	7,209.4	7,182.5	26.84	268.580	
7,100.0	6,854.9	4,064.0	3,789.9	26.8	25.2	-27.64	-5,828.2	1,869.1	7,203.9	7,177.5	26.45	272.351	
7,150.0	6,882.2	4,064.0	3,789.9	26.8	25.2	-28.56	-5,828.2	1,869.1	7,182.1	7,156.9	25.13	285.775	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 726-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,185.0	6,899.5	4,064.0	3,789.9	26.8	25.2	-29.30	-5,828.2	1,869.1	7,165.3	7,141.0	24.31	294.727	
7,200.0	6,906.5	4,064.0	3,789.9	26.9	25.2	-29.64	-5,828.2	1,869.1	7,157.7	7,133.7	24.01	298.172	
7,250.0	6,927.6	4,115.3	3,835.4	26.9	25.7	-31.25	-5,842.4	1,888.0	7,130.6	7,107.2	23.38	304.937	
7,283.4	6,940.0	4,122.8	3,842.1	27.0	25.8	-32.30	-5,844.6	1,890.8	7,111.3	7,088.2	23.07	308.314	
7,300.0	6,945.5	4,126.4	3,845.2	27.0	25.8	-32.85	-5,845.6	1,892.1	7,101.4	7,078.4	22.98	309.081	
7,350.0	6,960.2	4,136.5	3,854.2	27.1	25.9	-34.72	-5,848.4	1,895.9	7,070.1	7,047.1	23.00	307.343	
7,381.9	6,967.8	4,142.5	3,859.4	27.2	26.0	-36.06	-5,850.1	1,898.2	7,049.1	7,025.8	23.27	302.932	
7,400.0	6,971.5	4,145.7	3,862.2	27.2	26.0	-36.89	-5,851.0	1,899.4	7,036.8	7,013.3	23.50	299.379	
7,450.0	6,979.3	4,193.0	3,903.8	27.4	26.5	-39.80	-5,864.6	1,917.5	7,001.9	6,977.1	24.79	282.445	
7,480.3	6,982.4	4,193.0	3,903.8	27.5	26.5	-41.50	-5,864.6	1,917.5	6,979.6	6,954.0	25.59	272.751	
7,500.0	6,983.7	4,193.0	3,903.8	27.5	26.5	-42.70	-5,864.6	1,917.5	6,964.9	6,938.7	26.19	265.984	
7,541.4	6,984.7	4,193.0	3,903.8	27.7	26.5	-45.46	-5,864.6	1,917.5	6,933.1	6,905.4	27.63	250.926	
7,578.7	6,984.5	4,193.0	3,903.8	27.9	26.5	-45.46	-5,864.6	1,917.5	6,904.0	6,876.1	27.90	247.476	
7,600.0	6,984.4	4,193.0	3,903.8	28.0	26.5	-45.46	-5,864.6	1,917.5	6,887.5	6,859.4	28.05	245.541	
7,677.1	6,984.0	4,193.0	3,903.8	28.5	26.5	-45.46	-5,864.6	1,917.5	6,827.7	6,799.1	28.65	238.317	
7,700.0	6,983.9	4,193.0	3,903.8	28.6	26.5	-45.46	-5,864.6	1,917.5	6,810.1	6,781.3	28.83	236.239	
7,775.6	6,983.5	4,193.0	3,903.8	29.2	26.5	-45.46	-5,864.6	1,917.5	6,752.0	6,722.5	29.48	229.075	
7,800.0	6,983.4	4,193.0	3,903.8	29.4	26.5	-45.46	-5,864.6	1,917.5	6,733.3	6,703.6	29.68	226.831	
7,874.0	6,983.1	4,193.0	3,903.8	30.0	26.5	-45.46	-5,864.6	1,917.5	6,676.9	6,646.5	30.39	219.695	
7,900.0	6,982.9	4,193.0	3,903.8	30.3	26.5	-45.46	-5,864.6	1,917.5	6,657.1	6,626.5	30.64	217.272	
7,972.4	6,982.6	4,193.0	3,903.8	31.0	26.5	-45.46	-5,864.6	1,917.5	6,602.4	6,571.0	31.39	210.326	
8,000.0	6,982.4	4,193.0	3,903.8	31.3	26.5	-45.46	-5,864.6	1,917.5	6,581.6	6,549.9	31.68	207.775	
8,070.8	6,982.1	4,233.6	3,939.3	32.1	26.9	-45.94	-5,876.6	1,933.2	6,528.3	6,495.4	32.90	198.450	
8,100.0	6,982.0	4,237.9	3,943.0	32.4	26.9	-46.00	-5,877.8	1,934.8	6,506.4	6,473.2	33.27	195.589	
8,169.3	6,981.6	7,634.5	7,170.1	33.2	43.5	-93.44	-6,342.0	2,580.4	6,450.9	6,393.4	57.49	112.209	
8,200.0	6,981.5	7,633.3	7,168.9	33.6	43.5	-93.42	-6,342.1	2,580.4	6,425.9	6,368.0	57.95	110.885	
8,267.7	6,981.1	7,630.7	7,166.3	34.5	43.5	-93.38	-6,342.2	2,580.5	6,371.2	6,312.2	59.01	107.972	
8,300.0	6,981.0	7,629.5	7,165.1	34.9	43.5	-93.36	-6,342.2	2,580.5	6,345.1	6,285.6	59.51	106.620	
8,366.1	6,980.7	7,626.9	7,162.5	35.8	43.5	-93.32	-6,342.3	2,580.5	6,292.0	6,231.5	60.58	103.871	
8,400.0	6,980.5	7,625.6	7,161.2	36.3	43.5	-93.30	-6,342.3	2,580.5	6,264.9	6,203.8	61.12	102.501	
8,464.5	6,980.2	7,623.1	7,158.8	37.2	43.5	-93.26	-6,342.4	2,580.5	6,213.4	6,151.2	62.19	99.917	
8,500.0	6,980.0	7,621.8	7,157.4	37.7	43.5	-93.24	-6,342.5	2,580.5	6,185.3	6,122.5	62.77	98.537	
8,563.0	6,979.7	7,619.3	7,155.0	38.6	43.5	-93.21	-6,342.5	2,580.5	6,135.4	6,071.6	63.83	96.116	
8,600.0	6,979.5	7,617.9	7,153.5	39.1	43.5	-93.18	-6,342.6	2,580.6	6,106.2	6,041.7	64.46	94.732	
8,661.4	6,979.2	7,615.5	7,151.1	40.1	43.5	-93.15	-6,342.7	2,580.6	6,058.0	5,992.5	65.51	92.472	
8,700.0	6,979.0	7,614.0	7,149.6	40.7	43.5	-93.13	-6,342.7	2,580.6	6,027.8	5,961.6	66.17	91.089	
8,759.8	6,978.7	7,611.7	7,147.3	41.6	43.5	-93.09	-6,342.8	2,580.6	5,981.1	5,913.9	67.22	88.982	
8,800.0	6,978.5	7,610.1	7,145.7	42.2	43.5	-93.07	-6,342.8	2,580.6	5,950.0	5,882.1	67.92	87.605	
8,858.2	6,978.2	7,607.8	7,143.4	43.1	43.5	-93.03	-6,342.9	2,580.6	5,905.0	5,836.0	68.95	85.644	
8,900.0	6,978.0	7,606.2	7,141.8	43.8	43.5	-93.01	-6,343.0	2,580.6	5,872.9	5,803.2	69.69	84.277	
8,956.7	6,977.8	7,604.0	7,139.6	44.7	43.5	-92.97	-6,343.0	2,580.7	5,829.4	5,758.8	70.70	82.455	
9,000.0	6,977.5	7,602.2	7,137.9	45.4	43.5	-92.95	-6,343.1	2,580.7	5,796.4	5,725.0	71.47	81.100	
9,055.1	6,977.3	7,600.1	7,135.7	46.3	43.5	-92.91	-6,343.2	2,580.7	5,754.6	5,682.2	72.47	79.410	
9,100.0	6,977.1	7,598.3	7,133.9	47.1	43.5	-92.89	-6,343.2	2,580.7	5,720.7	5,647.4	73.28	78.069	
9,153.5	6,976.8	7,596.2	7,131.8	48.0	43.5	-92.85	-6,343.3	2,580.7	5,680.5	5,606.3	74.25	76.503	
9,200.0	6,976.6	7,594.3	7,129.9	48.8	43.5	-92.83	-6,343.4	2,580.7	5,645.8	5,570.7	75.10	75.179	
9,251.9	6,976.3	7,592.2	7,127.9	49.7	43.5	-92.80	-6,343.4	2,580.7	5,607.1	5,531.1	76.05	73.729	
9,300.0	6,976.1	7,590.3	7,125.9	50.5	43.5	-92.77	-6,343.5	2,580.7	5,571.6	5,494.7	76.93	72.422	
9,350.4	6,975.8	7,588.3	7,123.9	51.3	43.5	-92.74	-6,343.6	2,580.8	5,534.6	5,456.7	77.86	71.081	
9,400.0	6,975.6	7,586.3	7,121.9	52.2	43.5	-92.71	-6,343.6	2,580.8	5,498.3	5,419.5	78.78	69.793	
9,448.8	6,975.3	7,584.3	7,120.0	53.1	43.5	-92.68	-6,343.7	2,580.8	5,462.8	5,383.1	79.69	68.554	
9,500.0	6,975.1	7,582.3	7,117.9	54.0	43.5	-92.64	-6,343.8	2,580.8	5,425.8	5,345.1	80.64	67.286	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 726-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,547.2	6,974.9	7,580.4	7,116.0	54.8	43.5	-92.62	-6,343.8	2,580.8	5,391.8	5,310.3	81.52	66.142	
9,600.0	6,974.6	7,578.2	7,113.9	55.7	43.5	-92.58	-6,343.9	2,580.8	5,354.1	5,271.6	82.50	64.895	
9,645.6	6,974.4	7,576.4	7,112.0	56.5	43.5	-92.55	-6,344.0	2,580.8	5,321.7	5,238.4	83.36	63.839	
9,700.0	6,974.1	7,574.2	7,109.8	57.5	43.5	-92.52	-6,344.0	2,580.8	5,283.4	5,199.1	84.38	62.614	
9,744.1	6,973.9	7,572.4	7,108.0	58.3	43.5	-92.49	-6,344.1	2,580.8	5,252.6	5,167.4	85.21	61.641	
9,800.0	6,973.6	7,570.1	7,105.7	59.3	43.5	-92.46	-6,344.2	2,580.9	5,213.7	5,127.4	86.27	60.438	
9,842.5	6,973.4	7,568.4	7,104.0	60.0	43.5	-92.43	-6,344.2	2,580.9	5,184.4	5,097.3	87.07	59.543	
9,900.0	6,973.1	7,566.0	7,101.6	61.1	43.5	-92.40	-6,344.3	2,580.9	5,145.0	5,056.8	88.16	58.361	
9,940.9	6,972.9	7,564.3	7,100.0	61.8	43.5	-92.37	-6,344.4	2,580.9	5,117.1	5,028.2	88.93	57.538	
10,000.0	6,972.6	7,561.9	7,097.5	62.9	43.5	-92.33	-6,344.5	2,580.9	5,077.2	4,987.2	90.06	56.379	
10,039.3	6,972.4	7,560.3	7,095.9	63.6	43.5	-92.31	-6,344.5	2,580.9	5,050.9	4,960.1	90.80	55.624	
10,100.0	6,972.1	7,557.8	7,093.4	64.7	43.5	-92.27	-6,344.6	2,580.9	5,010.6	4,918.6	91.96	54.487	
10,137.8	6,972.0	7,556.2	7,091.8	65.4	43.5	-92.25	-6,344.6	2,580.9	4,985.7	4,893.0	92.68	53.795	
10,200.0	6,971.6	7,553.6	7,089.3	66.6	43.5	-92.21	-6,344.7	2,580.9	4,945.1	4,851.2	93.87	52.681	
10,236.2	6,971.5	7,552.1	7,087.8	67.2	43.5	-92.19	-6,344.8	2,581.0	4,921.7	4,827.1	94.56	52.047	
10,300.0	6,971.2	7,549.4	7,085.1	68.4	43.5	-92.15	-6,344.9	2,581.0	4,880.8	4,785.0	95.78	50.956	
10,334.6	6,971.0	7,548.0	7,083.7	69.0	43.5	-92.12	-6,344.9	2,581.0	4,858.8	4,762.3	96.45	50.377	
10,400.0	6,970.7	7,545.3	7,080.9	70.2	43.5	-92.08	-6,345.0	2,581.0	4,817.6	4,719.9	97.70	49.309	
10,433.0	6,970.5	7,543.9	7,079.5	70.9	43.5	-92.06	-6,345.1	2,581.0	4,797.0	4,698.7	98.34	48.781	
10,500.0	6,970.2	7,541.1	7,076.7	72.1	43.5	-92.02	-6,345.2	2,581.0	4,755.7	4,656.1	99.63	47.736	
10,531.5	6,970.0	7,539.7	7,075.4	72.7	43.5	-92.00	-6,345.2	2,581.0	4,736.5	4,636.3	100.23	47.256	
10,600.0	6,969.7	7,536.8	7,072.5	74.0	43.5	-91.95	-6,345.3	2,581.0	4,695.2	4,593.6	101.55	46.234	
10,629.9	6,969.5	7,535.6	7,071.2	74.5	43.5	-91.93	-6,345.4	2,581.0	4,677.3	4,575.2	102.13	45.798	
10,700.0	6,969.2	7,532.6	7,068.3	75.8	43.5	-91.89	-6,345.5	2,581.0	4,636.0	4,532.5	103.48	44.800	
10,728.3	6,969.0	7,531.4	7,067.0	76.4	43.5	-91.87	-6,345.5	2,581.0	4,619.5	4,515.5	104.03	44.405	
10,800.0	6,968.7	7,527.5	7,063.2	77.7	43.5	-91.81	-6,345.6	2,581.1	4,578.2	4,472.8	105.42	43.430	
10,826.7	6,968.6	7,526.0	7,061.7	78.2	43.5	-91.79	-6,345.7	2,581.1	4,563.0	4,457.1	105.93	43.074	
10,900.0	6,968.2	7,522.0	7,057.6	79.6	43.5	-91.73	-6,345.8	2,581.1	4,521.9	4,414.5	107.35	42.122	
10,925.2	6,968.1	7,520.6	7,056.2	80.1	43.5	-91.71	-6,345.9	2,581.1	4,508.0	4,400.1	107.84	41.802	
11,000.0	6,967.7	7,516.5	7,052.1	81.5	43.5	-91.64	-6,346.0	2,581.1	4,467.1	4,357.8	109.29	40.873	
11,023.6	6,967.6	7,515.2	7,050.8	81.9	43.5	-91.62	-6,346.1	2,581.1	4,454.4	4,344.7	109.75	40.587	
11,100.0	6,967.2	7,511.0	7,046.7	83.4	43.5	-91.56	-6,346.2	2,581.1	4,413.9	4,302.7	111.23	39.681	
11,122.0	6,967.1	7,509.8	7,045.5	83.8	43.5	-91.54	-6,346.2	2,581.1	4,402.4	4,290.7	111.66	39.426	
11,200.0	6,966.7	7,505.6	7,041.3	85.3	43.5	-91.48	-6,346.4	2,581.1	4,362.3	4,249.2	113.18	38.544	
11,220.4	6,966.6	7,504.5	7,040.2	85.7	43.5	-91.46	-6,346.4	2,581.1	4,352.0	4,238.4	113.58	38.318	
11,300.0	6,966.2	7,500.2	7,035.9	87.2	43.5	-91.40	-6,346.6	2,581.2	4,312.5	4,197.3	115.12	37.459	
11,318.9	6,966.1	7,499.2	7,034.9	87.5	43.5	-91.38	-6,346.6	2,581.2	4,303.2	4,187.8	115.49	37.260	
11,400.0	6,965.7	7,494.9	7,030.5	89.1	43.5	-91.31	-6,346.7	2,581.2	4,264.3	4,147.3	117.07	36.425	
11,417.3	6,965.6	7,493.9	7,029.6	89.4	43.5	-91.30	-6,346.8	2,581.2	4,256.2	4,138.8	117.41	36.251	
11,500.0	6,965.2	7,489.6	7,025.2	91.0	43.5	-91.23	-6,346.9	2,581.2	4,218.1	4,099.0	119.02	35.439	
11,515.7	6,965.2	7,488.7	7,024.4	91.3	43.5	-91.22	-6,347.0	2,581.2	4,210.9	4,091.6	119.33	35.288	
11,600.0	6,964.7	7,484.3	7,020.0	92.9	43.5	-91.15	-6,347.1	2,581.2	4,173.6	4,052.7	120.98	34.500	
11,614.1	6,964.7	7,483.5	7,019.2	93.2	43.5	-91.14	-6,347.1	2,581.2	4,167.5	4,046.3	121.25	34.371	
11,700.0	6,964.3	7,479.1	7,014.8	94.8	43.5	-91.07	-6,347.3	2,581.2	4,131.2	4,008.2	122.93	33.606	
11,712.6	6,964.2	7,478.4	7,014.1	95.1	43.5	-91.06	-6,347.3	2,581.2	4,126.0	4,002.8	123.17	33.497	
11,800.0	6,963.8	7,473.9	7,009.6	96.7	43.5	-91.00	-6,347.5	2,581.2	4,090.7	3,965.8	124.88	32.756	
11,811.0	6,963.7	7,473.3	7,009.0	97.0	43.5	-90.99	-6,347.5	2,581.2	4,086.3	3,961.3	125.10	32.665	
11,900.0	6,963.3	7,468.7	7,004.4	98.7	43.5	-90.92	-6,347.6	2,581.2	4,052.3	3,925.4	126.84	31.948	
11,909.4	6,963.2	7,468.2	7,003.9	98.9	43.5	-90.91	-6,347.6	2,581.2	4,048.7	3,921.7	127.02	31.874	
12,000.0	6,962.8	7,463.6	6,999.3	100.6	43.5	-90.84	-6,347.8	2,581.2	4,016.0	3,887.2	128.80	31.180	
12,007.8	6,962.7	7,463.2	6,998.9	100.7	43.5	-90.83	-6,347.8	2,581.2	4,013.2	3,884.2	128.95	31.122	
12,100.0	6,962.3	7,458.5	6,994.2	102.5	43.5	-90.76	-6,348.0	2,581.2	3,981.8	3,851.1	130.76	30.452	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 726-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,106.3	6,962.2	7,458.2	6,993.9	102.6	43.5	-90.76	-6,348.0	2,581.2	3,979.8	3,848.9	130.88	30.408	
12,200.0	6,961.8	7,453.5	6,989.2	104.5	43.5	-90.68	-6,348.1	2,581.2	3,949.9	3,817.2	132.72	29.762	
12,204.7	6,961.8	7,453.2	6,988.9	104.5	43.5	-90.68	-6,348.1	2,581.2	3,948.5	3,815.7	132.81	29.731	
12,300.0	6,961.3	7,448.5	6,984.2	106.4	43.5	-90.61	-6,348.3	2,581.2	3,920.3	3,785.7	134.68	29.109	
12,303.1	6,961.3	7,448.3	6,984.0	106.4	43.5	-90.61	-6,348.3	2,581.2	3,919.4	3,784.7	134.74	29.089	
12,400.0	6,960.8	7,443.5	6,979.2	108.3	43.5	-90.53	-6,348.4	2,581.2	3,893.1	3,756.4	136.64	28.491	
12,401.5	6,960.8	7,443.4	6,979.1	108.3	43.5	-90.53	-6,348.4	2,581.2	3,892.7	3,756.0	136.67	28.482	
12,500.0	6,960.3	7,438.5	6,974.3	110.3	43.5	-90.46	-6,348.6	2,581.2	3,868.2	3,729.6	138.60	27.908	
12,598.4	6,959.8	7,433.7	6,969.4	112.2	43.5	-90.38	-6,348.8	2,581.2	3,846.1	3,705.5	140.54	27.367	
12,600.0	6,959.8	7,433.6	6,969.4	112.2	43.5	-90.38	-6,348.8	2,581.2	3,845.7	3,705.2	140.57	27.359	
12,696.8	6,959.3	7,428.9	6,964.6	114.1	43.5	-90.31	-6,348.9	2,581.2	3,826.4	3,683.9	142.47	26.858	
12,700.0	6,959.3	7,428.8	6,964.5	114.1	43.5	-90.31	-6,348.9	2,581.2	3,825.8	3,683.2	142.53	26.842	
12,795.2	6,958.8	7,424.2	6,959.9	116.0	43.5	-90.24	-6,349.1	2,581.2	3,809.1	3,664.7	144.40	26.378	
12,800.0	6,958.8	7,423.9	6,959.6	116.1	43.5	-90.23	-6,349.1	2,581.2	3,808.3	3,663.8	144.50	26.356	
12,893.7	6,958.3	7,419.4	6,955.1	117.9	43.5	-90.17	-6,349.2	2,581.2	3,794.3	3,648.0	146.34	25.928	
12,900.0	6,958.3	7,419.1	6,954.8	118.0	43.5	-90.16	-6,349.2	2,581.2	3,793.4	3,647.0	146.46	25.900	
12,992.1	6,957.9	7,414.7	6,950.4	119.8	43.5	-90.09	-6,349.4	2,581.1	3,782.0	3,633.7	148.27	25.507	
13,000.0	6,957.8	7,414.3	6,950.1	120.0	43.5	-90.09	-6,349.4	2,581.1	3,781.1	3,632.7	148.43	25.474	
13,090.5	6,957.4	7,410.1	6,945.8	121.7	43.5	-90.02	-6,349.5	2,581.1	3,772.2	3,622.0	150.21	25.113	
13,100.0	6,957.3	7,409.6	6,945.3	121.9	43.5	-90.02	-6,349.5	2,581.1	3,771.4	3,621.0	150.40	25.077	
13,188.9	6,956.9	7,405.4	6,941.1	123.6	43.5	-89.95	-6,349.7	2,581.1	3,765.0	3,612.9	152.15	24.746	
13,200.0	6,956.8	7,404.9	6,940.6	123.9	43.5	-89.94	-6,349.7	2,581.1	3,764.3	3,612.0	152.36	24.706	
13,287.4	6,956.4	7,400.8	6,936.5	125.6	43.5	-89.88	-6,349.8	2,581.1	3,760.3	3,606.2	154.08	24.404	
13,300.0	6,956.3	7,400.2	6,936.0	125.8	43.5	-89.87	-6,349.8	2,581.1	3,759.9	3,605.6	154.33	24.363	
13,385.8	6,955.9	7,396.3	6,932.0	127.5	43.5	-89.81	-6,349.9	2,581.1	3,758.2	3,602.2	156.02	24.088	
13,400.0	6,955.8	7,395.7	6,931.4	127.8	43.5	-89.80	-6,350.0	2,581.1	3,758.1	3,601.8	156.30	24.044	
13,417.0	6,955.7	7,394.9	6,930.6	128.1	43.5	-89.79	-6,350.0	2,581.1	3,758.1	3,601.5	156.64	23.993 CC	
13,484.2	6,955.4	7,391.9	6,927.7	129.4	43.5	-89.75	-6,350.1	2,581.1	3,758.7	3,600.7	157.96	23.795 ES	
13,500.0	6,955.3	7,391.2	6,927.0	129.7	43.5	-89.74	-6,350.1	2,581.1	3,759.0	3,600.7	158.27	23.751	
13,582.6	6,954.9	7,387.7	6,923.4	131.3	43.5	-89.68	-6,350.2	2,581.1	3,761.7	3,601.8	159.90	23.526	
13,600.0	6,954.8	7,386.9	6,922.7	131.7	43.5	-89.67	-6,350.2	2,581.1	3,762.5	3,602.3	160.24	23.481	
13,681.1	6,954.4	7,383.5	6,919.3	133.2	43.5	-89.62	-6,350.3	2,581.0	3,767.3	3,605.5	161.84	23.279	
13,700.0	6,954.3	7,382.8	6,918.5	133.6	43.5	-89.61	-6,350.3	2,581.0	3,768.7	3,606.5	162.21	23.234	
13,779.5	6,953.9	7,379.5	6,915.3	135.2	43.5	-89.56	-6,350.4	2,581.0	3,775.5	3,611.7	163.77	23.053	
13,800.0	6,953.8	7,378.7	6,914.5	135.6	43.5	-89.55	-6,350.5	2,581.0	3,777.5	3,613.4	164.18	23.009	
13,877.9	6,953.5	7,375.6	6,911.4	137.1	43.4	-89.50	-6,350.5	2,581.0	3,786.2	3,620.5	165.71	22.848	
13,900.0	6,953.3	7,374.8	6,910.5	137.5	43.4	-89.49	-6,350.6	2,581.0	3,789.0	3,622.8	166.15	22.805	
13,976.3	6,953.0	7,371.8	6,907.6	139.0	43.4	-89.44	-6,350.6	2,581.0	3,799.4	3,631.8	167.65	22.662	
14,000.0	6,952.8	7,370.9	6,906.7	139.5	43.4	-89.43	-6,350.7	2,581.0	3,803.0	3,634.9	168.12	22.621	
14,074.8	6,952.5	7,368.1	6,903.9	140.9	43.4	-89.38	-6,350.7	2,581.0	3,815.1	3,645.5	169.59	22.496	
14,100.0	6,952.4	7,367.2	6,902.9	141.4	43.4	-89.37	-6,350.8	2,581.0	3,819.6	3,649.5	170.09	22.456	
14,170.4	6,952.0	7,364.6	6,900.4	142.8	43.4	-89.33	-6,350.8	2,580.9	3,832.8	3,661.3	171.42	22.359 SF	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 731-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	170.63	-5,118.5	845.0	5,187.8				
98.4	98.4	81.9	81.9	0.1	0.1	170.63	-5,118.5	845.0	5,187.8	5,187.6	0.18	N/A	
100.0	100.0	83.4	83.4	0.1	0.1	170.63	-5,118.5	845.0	5,187.8	5,187.6	0.18	N/A	
196.8	196.8	175.7	175.7	0.3	0.2	170.63	-5,118.6	845.0	5,187.9	5,187.4	0.50	N/A	
200.0	200.0	178.7	178.7	0.3	0.2	170.63	-5,118.6	845.0	5,187.9	5,187.4	0.51	N/A	
295.3	295.3	269.5	269.5	0.5	0.3	170.63	-5,118.8	845.0	5,188.1	5,187.3	0.81	6,375.182	
300.0	300.0	274.0	274.0	0.5	0.3	170.63	-5,118.8	845.0	5,188.1	5,187.3	0.83	6,257.852	
393.7	393.7	363.3	363.3	0.8	0.4	170.63	-5,119.1	845.1	5,188.4	5,187.3	1.13	4,584.723	
400.0	400.0	369.3	369.3	0.8	0.4	170.63	-5,119.1	845.1	5,188.5	5,187.3	1.15	4,503.768	
492.1	492.1	457.1	457.1	1.0	0.5	170.63	-5,119.5	845.1	5,188.8	5,187.4	1.45	3,579.594	
500.0	500.0	464.6	464.6	1.0	0.5	170.63	-5,119.5	845.1	5,188.8	5,187.4	1.47	3,517.894	
590.5	590.5	550.9	550.9	1.2	0.6	170.63	-5,119.9	845.1	5,189.3	5,187.5	1.77	2,936.065	
600.0	600.0	559.9	559.9	1.2	0.6	170.63	-5,120.0	845.1	5,189.3	5,187.5	1.80	2,886.253	
689.0	689.0	644.7	644.7	1.4	0.7	170.63	-5,120.5	845.2	5,189.8	5,187.8	2.09	2,488.773	
700.0	700.0	655.2	655.2	1.4	0.7	170.63	-5,120.5	845.2	5,189.9	5,187.8	2.12	2,447.023	
787.4	787.4	731.0	731.0	1.6	0.8	170.63	-5,121.0	845.2	5,190.5	5,188.1	2.40	2,166.781	
800.0	800.0	731.0	731.0	1.7	0.8	170.63	-5,121.0	845.2	5,190.6	5,188.2	2.42	2,141.514	
885.8	885.8	784.3	784.3	1.9	0.9	170.63	-5,121.7	845.3	5,191.7	5,189.0	2.74	1,896.085	
900.0	900.0	791.5	791.4	1.9	0.9	170.63	-5,121.8	845.3	5,192.0	5,189.2	2.79	1,863.473	
984.2	984.2	859.0	859.0	2.1	1.0	170.63	-5,123.5	845.6	5,194.0	5,190.9	3.13	1,659.810	
1,000.0	1,000.0	859.0	859.0	2.1	1.0	170.63	-5,123.5	845.6	5,194.4	5,191.2	3.16	1,641.358	
1,082.7	1,082.7	859.0	859.0	2.3	1.0	-111.99	-5,123.5	845.6	5,197.5	5,194.2	3.34	1,556.602	
1,100.0	1,100.0	859.0	859.0	2.3	1.0	-111.97	-5,123.5	845.6	5,198.4	5,195.1	3.38	1,539.595	
1,181.1	1,181.0	916.1	916.0	2.5	1.2	-111.90	-5,125.7	846.0	5,203.3	5,199.6	3.68	1,413.427	
1,200.0	1,199.8	923.4	923.4	2.5	1.2	-111.88	-5,126.1	846.1	5,204.7	5,201.0	3.74	1,392.150	
1,279.5	1,279.1	987.0	986.8	2.7	1.3	-111.81	-5,129.8	846.8	5,211.9	5,207.8	4.07	1,281.860	
1,300.0	1,299.5	987.0	986.8	2.8	1.3	-111.78	-5,129.8	846.8	5,213.8	5,209.7	4.11	1,267.914	
1,377.9	1,376.9	987.0	986.8	3.0	1.3	-111.62	-5,129.8	846.8	5,222.3	5,218.0	4.30	1,213.461	
1,400.0	1,398.7	987.0	986.8	3.0	1.3	-111.57	-5,129.8	846.8	5,225.1	5,220.7	4.36	1,199.036	
1,476.4	1,474.2	1,030.3	1,030.0	3.2	1.5	-111.44	-5,133.1	847.4	5,235.3	5,230.7	4.67	1,121.355	
1,500.0	1,497.5	1,039.4	1,039.0	3.3	1.5	-111.39	-5,133.8	847.6	5,238.8	5,234.1	4.75	1,101.831	
1,574.8	1,571.0	1,067.9	1,067.5	3.5	1.6	-111.22	-5,136.3	848.2	5,250.7	5,245.6	5.05	1,038.893	
1,600.0	1,595.6	1,116.0	1,115.3	3.6	1.7	-111.25	-5,141.0	849.4	5,255.4	5,250.1	5.25	1,001.913	
1,673.2	1,667.0	1,116.0	1,115.3	3.9	1.7	-111.00	-5,141.0	849.4	5,268.4	5,262.9	5.51	956.797	
1,700.0	1,693.1	1,116.0	1,115.3	4.0	1.7	-110.90	-5,141.0	849.4	5,273.6	5,268.0	5.60	941.442	
1,735.7	1,727.6	1,116.0	1,115.3	4.1	1.7	-110.76	-5,141.0	849.4	5,280.9	5,275.1	5.74	919.744	
1,771.6	1,762.4	1,159.3	1,158.3	4.3	1.8	-110.88	-5,145.6	850.5	5,288.2	5,282.2	5.99	883.187	
1,800.0	1,789.8	1,177.0	1,175.9	4.4	1.9	-110.93	-5,147.5	851.0	5,294.1	5,288.0	6.14	861.754	
1,870.1	1,857.6	1,220.7	1,219.3	4.7	2.0	-111.05	-5,152.5	852.1	5,308.9	5,302.4	6.54	811.494	
1,900.0	1,886.6	1,244.0	1,242.4	4.8	2.0	-111.11	-5,155.2	852.6	5,315.4	5,308.6	6.72	790.648	
1,968.5	1,952.8	1,279.8	1,278.0	5.2	2.1	-111.20	-5,159.5	853.5	5,330.3	5,323.2	7.11	750.101	
2,000.0	1,983.3	1,298.2	1,296.2	5.3	2.2	-111.25	-5,161.7	854.0	5,337.3	5,330.0	7.29	732.455	
2,066.9	2,048.0	1,337.2	1,334.9	5.6	2.3	-111.36	-5,166.6	855.3	5,352.5	5,344.8	7.68	696.999	
2,100.0	2,080.0	1,373.0	1,370.4	5.8	2.4	-111.46	-5,171.2	856.7	5,360.1	5,352.2	7.91	677.675	
2,165.3	2,143.2	1,373.0	1,370.4	6.1	2.4	-111.46	-5,171.2	856.7	5,375.4	5,367.2	8.22	654.292	
2,200.0	2,176.7	1,373.0	1,370.4	6.3	2.4	-111.46	-5,171.2	856.7	5,383.8	5,375.4	8.38	642.624	
2,263.8	2,238.4	1,424.4	1,421.2	6.6	2.6	-111.60	-5,178.2	858.9	5,399.2	5,390.4	8.80	613.597	
2,300.0	2,273.4	1,438.0	1,434.7	6.8	2.6	-111.64	-5,180.1	859.6	5,408.2	5,399.2	9.00	600.714	
2,362.2	2,333.6	1,461.4	1,457.8	7.1	2.7	-111.70	-5,183.6	860.8	5,424.1	5,414.7	9.36	579.702	
2,400.0	2,370.2	1,501.0	1,496.9	7.3	2.8	-111.82	-5,189.8	863.1	5,434.1	5,424.5	9.63	564.344	
2,460.6	2,428.8	1,501.0	1,496.9	7.6	2.8	-111.82	-5,189.8	863.1	5,450.0	5,440.1	9.92	549.127	
2,500.0	2,466.9	1,501.0	1,496.9	7.8	2.8	-111.82	-5,189.8	863.1	5,460.7	5,450.6	10.12	539.754	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													SE SE SEC. 18 T4N R64W 6th P.M. - NEI C18-24D - Wellbore #1 - Wellbore #1		Offset Site Error:		0.0 usft
Survey Program: 731-MWD													Offset Well Error:		0.0 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
2,559.0	2,524.0	1,541.4	1,536.6	8.1	3.0	-111.94	-5,196.3	866.0	5,477.0	5,466.5	10.50	521.509					
2,600.0	2,563.6	1,559.4	1,554.3	8.3	3.1	-111.99	-5,199.3	867.4	5,488.4	5,477.7	10.75	510.765					
2,657.5	2,619.2	1,584.5	1,578.9	8.6	3.2	-112.07	-5,203.5	869.7	5,504.8	5,493.7	11.09	496.444					
2,700.0	2,660.3	1,629.0	1,622.5	8.8	3.3	-112.22	-5,211.2	874.3	5,517.3	5,505.9	11.40	483.905					
2,755.9	2,714.4	1,629.0	1,622.5	9.1	3.3	-112.22	-5,211.2	874.3	5,533.6	5,521.9	11.68	473.760					
2,800.0	2,757.0	1,629.0	1,622.5	9.4	3.3	-112.22	-5,211.2	874.3	5,546.8	5,534.9	11.90	466.123					
2,854.3	2,809.6	1,671.3	1,663.8	9.6	3.5	-112.36	-5,218.7	879.1	5,563.2	5,551.0	12.27	453.242					
2,900.0	2,853.8	1,691.8	1,683.9	9.9	3.6	-112.43	-5,222.5	881.5	5,577.3	5,564.7	12.55	444.317					
2,952.7	2,904.8	1,715.5	1,707.1	10.2	3.7	-112.50	-5,227.0	884.2	5,593.8	5,580.9	12.87	434.484					
3,000.0	2,950.5	1,758.0	1,748.4	10.4	3.8	-112.64	-5,235.2	889.0	5,608.8	5,595.6	13.21	424.483					
3,051.2	3,000.0	1,758.0	1,748.4	10.7	3.8	-112.64	-5,235.2	889.0	5,625.1	5,611.7	13.47	417.569					
3,100.0	3,047.2	1,758.0	1,748.4	10.9	3.8	-112.64	-5,235.2	889.0	5,641.1	5,627.4	13.72	411.243					
3,149.6	3,095.2	1,758.0	1,748.4	11.2	3.8	-112.64	-5,235.2	889.0	5,657.7	5,643.8	13.97	405.049					
3,200.0	3,143.9	1,811.6	1,800.5	11.5	4.1	-112.82	-5,246.2	895.3	5,674.4	5,660.0	14.36	395.141					
3,248.0	3,190.4	1,828.3	1,816.7	11.7	4.2	-112.87	-5,249.7	897.4	5,690.7	5,676.1	14.65	388.524					
3,300.0	3,240.6	1,846.4	1,834.2	12.0	4.3	-112.93	-5,253.6	899.6	5,708.7	5,693.7	14.96	381.672					
3,346.4	3,285.6	1,886.0	1,872.5	12.3	4.4	-113.06	-5,262.5	904.8	5,725.1	5,709.8	15.29	374.344					
3,400.0	3,337.4	1,886.0	1,872.5	12.5	4.4	-113.06	-5,262.5	904.8	5,744.0	5,728.5	15.57	369.027					
3,444.9	3,380.8	1,886.0	1,872.5	12.8	4.4	-113.06	-5,262.5	904.8	5,760.2	5,744.4	15.79	364.722					
3,500.0	3,434.1	1,928.4	1,913.3	13.1	4.7	-113.20	-5,272.3	910.4	5,780.3	5,764.1	16.19	357.093					
3,543.3	3,476.0	1,949.9	1,934.1	13.3	4.8	-113.27	-5,277.3	913.4	5,796.2	5,779.7	16.46	352.048					
3,600.0	3,530.8	1,978.0	1,961.1	13.6	4.9	-113.37	-5,284.0	917.3	5,817.2	5,800.4	16.83	345.728					
3,641.7	3,571.2	2,015.0	1,996.6	13.8	5.1	-113.49	-5,292.8	922.6	5,832.9	5,815.8	17.13	340.428					
3,700.0	3,627.5	2,042.4	2,022.8	14.2	5.3	-113.58	-5,299.4	926.6	5,854.9	5,837.4	17.50	334.579					
3,740.1	3,666.4	2,086.4	2,065.1	14.4	5.5	-113.73	-5,310.0	933.2	5,870.1	5,852.3	17.81	329.540					
3,800.0	3,724.2	2,143.0	2,119.4	14.7	5.8	-113.92	-5,323.4	941.7	5,892.7	5,874.4	18.26	322.793					
3,838.6	3,761.6	2,177.9	2,152.9	14.9	5.9	-114.04	-5,331.7	947.0	5,907.2	5,888.7	18.54	318.678					
3,900.0	3,821.0	2,223.9	2,197.0	15.2	6.1	-114.19	-5,342.6	953.8	5,930.5	5,911.6	18.96	312.789					
3,937.0	3,856.8	2,251.6	2,223.6	15.4	6.3	-114.28	-5,349.3	957.8	5,944.6	5,925.4	19.22	309.375					
4,000.0	3,917.7	2,309.8	2,279.5	15.8	6.6	-114.46	-5,363.4	965.9	5,968.7	5,949.0	19.67	303.367					
4,035.4	3,951.9	2,346.8	2,315.0	16.0	6.7	-114.58	-5,372.4	971.1	5,982.2	5,962.3	19.94	299.961					
4,100.0	4,014.4	2,421.3	2,386.6	16.3	7.1	-114.81	-5,390.3	981.4	6,006.9	5,986.4	20.45	293.781					
4,133.8	4,047.1	2,474.1	2,437.4	16.5	7.3	-114.97	-5,402.8	988.6	6,019.7	5,998.9	20.74	290.248					
4,200.0	4,111.1	2,553.7	2,514.1	16.9	7.7	-115.21	-5,421.5	998.9	6,044.5	6,023.2	21.26	284.328					
4,232.3	4,142.3	2,580.0	2,539.4	17.0	7.8	-115.29	-5,427.7	1,002.2	6,056.6	6,035.1	21.48	281.908					
4,300.0	4,207.8	2,635.2	2,592.6	17.4	8.1	-115.44	-5,441.0	1,008.6	6,082.1	6,060.1	21.96	276.997					
4,330.7	4,237.5	2,657.0	2,613.6	17.6	8.2	-115.50	-5,446.2	1,011.0	6,093.6	6,071.5	22.16	274.937					
4,400.0	4,304.6	2,657.0	2,613.6	17.9	8.2	-115.50	-5,446.2	1,011.0	6,120.2	6,097.7	22.52	271.820					
4,429.1	4,332.7	2,657.0	2,613.6	18.1	8.2	-115.50	-5,446.2	1,011.0	6,131.5	6,108.9	22.66	270.546					
4,500.0	4,401.3	2,716.2	2,670.6	18.5	8.5	-115.67	-5,460.9	1,017.8	6,158.9	6,135.7	23.17	265.780					
4,527.5	4,427.9	2,725.5	2,679.5	18.6	8.6	-115.69	-5,463.3	1,019.0	6,169.8	6,146.4	23.34	264.387					
4,600.0	4,498.0	2,785.0	2,736.4	19.0	8.9	-115.86	-5,478.8	1,026.9	6,198.9	6,175.1	23.85	259.892					
4,626.0	4,523.1	2,785.0	2,736.4	19.2	8.9	-115.86	-5,478.8	1,026.9	6,209.3	6,185.3	23.98	258.895					
4,700.0	4,594.7	2,785.0	2,736.4	19.6	8.9	-115.86	-5,478.8	1,026.9	6,239.3	6,214.9	24.36	256.133					
4,724.4	4,618.3	2,785.0	2,736.4	19.7	8.9	-115.86	-5,478.8	1,026.9	6,249.3	6,224.8	24.48	255.247					
4,800.0	4,691.5	2,822.7	2,772.3	20.1	9.1	-115.97	-5,488.9	1,032.3	6,280.7	6,255.8	24.97	251.553					
4,822.8	4,713.5	2,831.8	2,781.0	20.2	9.2	-116.00	-5,491.4	1,033.5	6,290.3	6,265.2	25.11	250.530					
4,900.0	4,788.2	2,862.5	2,810.2	20.7	9.4	-116.09	-5,499.9	1,037.9	6,322.9	6,297.4	25.58	247.171					
4,921.2	4,808.7	2,871.0	2,818.2	20.8	9.4	-116.11	-5,502.3	1,039.1	6,332.0	6,306.3	25.71	246.272					
5,000.0	4,884.9	2,913.0	2,858.0	21.2	9.7	-116.23	-5,514.3	1,045.0	6,365.9	6,339.7	26.22	242.771					
5,019.7	4,903.9	2,913.0	2,858.0	21.3	9.7	-116.23	-5,514.3	1,045.0	6,374.4	6,348.1	26.32	242.174					
5,100.0	4,981.6	2,913.0	2,858.0	21.8	9.7	-116.23	-5,514.3	1,045.0	6,409.7	6,383.0	26.73	239.800					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 731-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,118.1	4,999.1	2,913.0	2,858.0	21.8	9.7	-116.23	-5,514.3	1,045.0	6,417.8	6,391.0	26.82	239.279	
5,200.0	5,078.3	2,976.4	2,917.9	22.3	10.1	-116.41	-5,532.9	1,054.4	6,454.1	6,426.7	27.41	235.474	
5,216.5	5,094.3	2,982.4	2,923.6	22.4	10.1	-116.42	-5,534.7	1,055.4	6,461.5	6,434.0	27.51	234.888	
5,300.0	5,175.1	3,265.8	3,191.7	22.8	11.8	-117.23	-5,615.1	1,099.5	6,498.2	6,469.6	28.63	226.936	
5,314.9	5,189.5	3,277.0	3,202.3	22.9	11.9	-117.26	-5,618.0	1,101.3	6,504.5	6,475.8	28.74	226.352	
5,400.0	5,271.8	3,618.1	3,529.3	23.4	13.7	-118.18	-5,702.4	1,148.8	6,537.6	6,507.6	29.95	218.255	
5,413.4	5,284.7	3,627.8	3,538.7	23.5	13.7	-118.21	-5,704.6	1,150.1	6,542.8	6,512.7	30.04	217.775	
5,500.0	5,368.5	3,684.0	3,592.8	23.9	14.0	-118.36	-5,717.7	1,157.7	6,576.5	6,545.9	30.61	214.853	
5,511.8	5,379.9	3,684.0	3,592.8	24.0	14.0	-118.36	-5,717.7	1,157.7	6,581.2	6,550.5	30.67	214.589	
5,600.0	5,465.2	3,729.9	3,636.9	24.5	14.3	-118.48	-5,728.6	1,164.0	6,616.0	6,584.8	31.22	211.885	
5,610.2	5,475.1	3,734.1	3,641.0	24.5	14.3	-118.49	-5,729.7	1,164.6	6,620.1	6,588.8	31.29	211.597	
5,647.2	5,510.9	3,749.6	3,655.8	24.7	14.4	-118.53	-5,733.4	1,166.7	6,634.9	6,603.4	31.51	210.567	
5,700.0	5,562.1	3,771.7	3,677.0	25.0	14.5	-118.99	-5,738.9	1,169.7	6,656.0	6,624.3	31.73	209.783	
5,708.6	5,570.5	3,775.3	3,680.5	25.0	14.5	-119.06	-5,739.8	1,170.3	6,659.5	6,627.7	31.76	209.706	
5,800.0	5,659.6	3,812.0	3,715.6	25.3	14.7	-119.82	-5,749.0	1,175.4	6,695.4	6,663.3	32.05	208.909	
5,807.1	5,666.6	3,812.0	3,715.6	25.4	14.7	-119.87	-5,749.0	1,175.4	6,698.1	6,666.1	32.06	208.911	
5,900.0	5,757.9	3,884.2	3,784.7	25.7	15.1	-120.67	-5,767.5	1,185.5	6,733.6	6,701.2	32.42	207.694	
5,905.5	5,763.3	3,888.1	3,788.4	25.7	15.2	-120.72	-5,768.5	1,186.1	6,735.7	6,703.2	32.44	207.641	
6,000.0	5,856.7	3,941.0	3,839.0	26.0	15.5	-121.45	-5,782.2	1,193.4	6,770.5	6,737.8	32.72	206.914	
6,003.9	5,860.6	3,941.0	3,839.0	26.0	15.5	-121.47	-5,782.2	1,193.4	6,772.0	6,739.2	32.73	206.929	
6,100.0	5,956.1	3,941.0	3,839.0	26.2	15.5	-122.11	-5,782.2	1,193.4	6,806.7	6,773.9	32.84	207.289	
6,102.3	5,958.4	3,941.0	3,839.0	26.2	15.5	-122.12	-5,782.2	1,193.4	6,807.6	6,774.7	32.84	207.304	
6,200.0	6,055.7	4,006.1	3,900.9	26.4	15.9	-122.81	-5,799.8	1,202.8	6,841.5	6,808.4	33.10	206.687	
6,200.8	6,056.5	4,006.3	3,901.1	26.4	15.9	-122.81	-5,799.8	1,202.8	6,841.8	6,808.7	33.10	206.688	
6,299.2	6,154.8	4,069.0	3,960.5	26.5	16.3	-123.45	-5,817.8	1,212.4	6,875.7	6,842.3	33.33	206.293	
6,300.0	6,155.6	4,069.0	3,960.5	26.5	16.3	-123.46	-5,817.8	1,212.4	6,875.9	6,842.6	33.33	206.299	
6,382.9	6,238.5	4,069.0	3,960.5	26.6	16.3	158.74	-5,817.8	1,212.4	6,903.3	6,870.0	33.31	207.264	
6,397.6	6,253.2	4,069.0	3,960.5	26.6	16.3	158.74	-5,817.8	1,212.4	6,908.2	6,874.9	33.32	207.306	
6,400.0	6,255.6	4,069.0	3,960.5	26.6	16.3	158.74	-5,817.8	1,212.4	6,909.0	6,875.6	33.33	207.313	
6,412.9	6,268.5	4,071.1	3,962.5	26.6	16.3	158.74	-5,818.4	1,212.7	6,913.2	6,879.9	33.35	207.303	
6,450.0	6,305.6	4,410.2	4,247.3	26.7	24.8	-22.14	-6,158.1	1,427.5	6,915.8	6,877.0	38.84	178.069	
6,496.0	6,351.5	4,441.9	4,279.0	26.7	24.8	-22.25	-6,158.1	1,428.2	6,912.6	6,873.7	38.85	177.932	
6,500.0	6,355.4	4,444.7	4,281.7	26.7	24.8	-22.26	-6,158.1	1,428.3	6,912.2	6,873.3	38.84	177.951	
6,550.0	6,404.8	4,478.8	4,315.9	26.7	24.8	-22.49	-6,158.1	1,429.0	6,905.5	6,866.8	38.68	178.540	
6,594.5	6,448.1	4,509.0	4,346.1	26.8	24.9	-22.79	-6,158.3	1,429.7	6,896.9	6,858.5	38.39	179.652	
6,600.0	6,453.5	4,514.7	4,351.7	26.8	24.9	-22.83	-6,158.3	1,429.8	6,895.7	6,857.3	38.35	179.818	
6,650.0	6,501.3	4,566.8	4,403.9	26.8	25.0	-23.31	-6,158.6	1,430.9	6,882.8	6,844.9	37.89	181.664	
6,692.9	6,541.4	4,610.7	4,447.7	26.8	25.0	-23.82	-6,158.8	1,431.6	6,869.2	6,831.9	37.37	183.796	
6,700.0	6,548.0	4,617.8	4,454.9	26.8	25.0	-23.92	-6,158.9	1,431.7	6,866.8	6,829.5	37.28	184.203	
6,750.0	6,593.3	4,660.3	4,497.4	26.8	25.1	-24.66	-6,159.2	1,432.4	6,847.8	6,811.3	36.53	187.462	
6,791.3	6,629.6	4,690.8	4,527.8	26.8	25.1	-25.39	-6,159.4	1,432.8	6,830.0	6,794.1	35.82	190.650	
6,800.0	6,637.0	4,697.1	4,534.1	26.8	25.1	-25.56	-6,159.5	1,432.9	6,826.0	6,790.3	35.67	191.379	
6,850.0	6,679.0	4,732.4	4,569.4	26.8	25.2	-26.64	-6,159.8	1,433.5	6,801.4	6,766.7	34.73	195.839	
6,889.7	6,710.9	4,765.0	4,602.0	26.8	25.2	-27.66	-6,160.1	1,434.0	6,780.0	6,746.1	33.97	199.610	
6,900.0	6,718.9	4,765.0	4,602.0	26.8	25.2	-27.92	-6,160.1	1,434.0	6,774.3	6,740.5	33.75	200.697	
6,950.0	6,756.7	4,802.5	4,639.5	26.8	25.3	-29.46	-6,160.4	1,434.6	6,744.6	6,711.8	32.80	205.614	
6,988.2	6,783.9	4,828.6	4,665.6	26.8	25.3	-30.83	-6,160.7	1,435.0	6,720.4	6,688.3	32.13	209.184	
7,000.0	6,792.0	4,836.5	4,673.5	26.8	25.3	-31.29	-6,160.8	1,435.2	6,712.6	6,680.7	31.93	210.259	
7,050.0	6,824.8	4,868.1	4,705.1	26.8	25.4	-33.45	-6,161.1	1,435.7	6,678.4	6,647.2	31.20	214.036	
7,086.6	6,847.2	4,889.7	4,726.7	26.8	25.4	-35.28	-6,161.3	1,436.0	6,652.1	6,621.3	30.84	215.686	
7,100.0	6,854.9	4,898.7	4,735.7	26.8	25.4	-36.02	-6,161.4	1,436.2	6,642.2	6,611.5	30.73	216.156	
7,150.0	6,882.2	4,937.5	4,774.4	26.8	25.4	-39.16	-6,161.8	1,436.7	6,604.1	6,573.5	30.64	215.552	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 731-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,185.0	6,899.5	6,963.9	6,800.9	26.8	25.5	-41.73	-6,162.1	1,437.1	6,576.4	6,545.6	30.85	213.205	
7,200.0	6,906.5	6,974.6	6,811.6	26.9	25.5	-42.93	-6,162.1	1,437.3	6,564.3	6,533.3	31.02	211.601	
7,250.0	6,927.6	7,007.1	6,844.1	26.9	25.5	-47.40	-6,162.4	1,437.7	6,523.0	6,491.1	31.96	204.083	
7,283.4	6,940.0	7,022.0	6,859.0	27.0	25.6	-50.80	-6,162.5	1,437.9	6,494.7	6,461.8	32.90	197.403	
7,300.0	6,945.5	7,022.0	6,859.0	27.0	25.6	-52.53	-6,162.5	1,437.9	6,480.5	6,447.1	33.42	193.909	
7,350.0	6,960.2	7,022.0	6,859.0	27.1	25.6	-58.35	-6,162.5	1,437.9	6,437.0	6,401.7	35.32	182.267	
7,381.9	6,967.8	7,044.6	6,881.6	27.2	25.6	-62.92	-6,162.6	1,438.2	6,408.8	6,371.9	36.87	173.842	
7,400.0	6,971.5	7,047.4	6,884.4	27.2	25.6	-65.54	-6,162.6	1,438.2	6,392.6	6,354.9	37.71	169.504	
7,450.0	6,979.3	7,053.4	6,890.4	27.4	25.6	-73.31	-6,162.7	1,438.3	6,347.7	6,307.7	40.03	158.586	
7,480.3	6,982.4	7,055.8	6,892.8	27.5	25.6	-78.35	-6,162.7	1,438.4	6,320.3	6,279.0	41.29	153.084	
7,500.0	6,983.7	7,056.9	6,893.8	27.5	25.6	-81.72	-6,162.7	1,438.4	6,302.4	6,260.4	41.99	150.085	
7,541.4	6,984.7	7,057.8	6,894.8	27.7	25.6	-88.91	-6,162.7	1,438.4	6,264.8	6,221.7	43.13	145.255	
7,578.7	6,984.5	7,057.9	6,894.9	27.9	25.6	-88.92	-6,162.7	1,438.4	6,230.9	6,187.4	43.50	143.234	
7,600.0	6,984.4	7,057.9	6,894.9	28.0	25.6	-88.92	-6,162.7	1,438.4	6,211.6	6,167.9	43.71	142.098	
7,677.1	6,984.0	7,058.1	6,895.1	28.5	25.6	-88.92	-6,162.7	1,438.4	6,141.7	6,097.2	44.53	137.921	
7,700.0	6,983.9	7,058.1	6,895.1	28.6	25.6	-88.92	-6,162.7	1,438.4	6,121.0	6,076.3	44.77	136.713	
7,775.6	6,983.5	7,058.3	6,895.2	29.2	25.6	-88.92	-6,162.7	1,438.4	6,052.8	6,007.2	45.64	132.617	
7,800.0	6,983.4	7,058.3	6,895.3	29.4	25.6	-88.93	-6,162.7	1,438.4	6,030.8	5,984.9	45.92	131.328	
7,874.0	6,983.1	7,058.5	6,895.4	30.0	25.6	-88.93	-6,162.7	1,438.4	5,964.2	5,917.3	46.85	127.290	
7,900.0	6,982.9	7,058.5	6,895.5	30.3	25.6	-88.93	-6,162.7	1,438.4	5,940.8	5,893.6	47.18	125.910	
7,972.4	6,982.6	7,058.7	6,895.6	31.0	25.6	-88.93	-6,162.7	1,438.4	5,875.9	5,827.7	48.17	121.993	
8,000.0	6,982.4	7,058.7	6,895.7	31.3	25.6	-88.93	-6,162.7	1,438.4	5,851.2	5,802.7	48.54	120.544	
8,070.8	6,982.1	7,058.9	6,895.8	32.1	25.6	-88.94	-6,162.7	1,438.4	5,787.9	5,738.3	49.56	116.789	
8,100.0	6,982.0	7,058.9	6,895.9	32.4	25.6	-88.94	-6,162.7	1,438.4	5,761.9	5,711.9	49.98	115.290	
8,169.3	6,981.6	7,059.1	6,896.0	33.2	25.6	-88.94	-6,162.7	1,438.4	5,700.3	5,649.2	51.02	111.724	
8,200.0	6,981.5	7,059.1	6,896.1	33.6	25.6	-88.94	-6,162.7	1,438.4	5,673.0	5,621.5	51.48	110.190	
8,267.7	6,981.1	7,059.3	6,896.2	34.5	25.6	-88.95	-6,162.7	1,438.4	5,613.0	5,560.5	52.54	106.828	
8,300.0	6,981.0	7,059.3	6,896.3	34.9	25.6	-88.95	-6,162.7	1,438.4	5,584.4	5,531.4	53.05	105.272	
8,366.1	6,980.7	7,059.5	6,896.4	35.8	25.6	-88.95	-6,162.7	1,438.4	5,526.1	5,472.0	54.11	102.119	
8,400.0	6,980.5	7,059.5	6,896.5	36.3	25.6	-88.95	-6,162.7	1,438.4	5,496.3	5,441.6	54.66	100.553	
8,464.5	6,980.2	7,059.7	6,896.7	37.2	25.6	-88.96	-6,162.7	1,438.4	5,439.6	5,383.9	55.73	97.609	
8,500.0	6,980.0	7,059.8	6,896.7	37.7	25.6	-88.96	-6,162.7	1,438.4	5,408.5	5,352.2	56.32	96.040	
8,563.0	6,979.7	7,059.9	6,896.9	38.6	25.6	-88.96	-6,162.7	1,438.4	5,353.5	5,296.1	57.38	93.299	
8,600.0	6,979.5	7,060.0	6,896.9	39.1	25.6	-88.96	-6,162.7	1,438.4	5,321.2	5,263.2	58.01	91.736	
8,661.4	6,979.2	7,060.1	6,897.1	40.1	25.6	-88.97	-6,162.7	1,438.4	5,267.8	5,208.8	59.06	89.191	
8,700.0	6,979.0	7,060.2	6,897.1	40.7	25.6	-88.97	-6,162.7	1,438.4	5,234.4	5,174.6	59.73	87.638	
8,759.8	6,978.7	7,060.3	6,897.3	41.6	25.6	-88.97	-6,162.7	1,438.4	5,182.6	5,121.8	60.77	85.279	
8,800.0	6,978.5	7,060.4	6,897.4	42.2	25.6	-88.97	-6,162.7	1,438.4	5,148.0	5,086.5	61.47	83.741	
8,858.2	6,978.2	7,060.5	6,897.5	43.1	25.6	-88.97	-6,162.7	1,438.4	5,097.9	5,035.4	62.51	81.558	
8,900.0	6,978.0	7,060.6	6,897.6	43.8	25.6	-88.98	-6,162.7	1,438.4	5,062.1	4,998.8	63.25	80.038	
8,956.7	6,977.8	7,060.7	6,897.7	44.7	25.6	-88.98	-6,162.7	1,438.4	5,013.6	4,949.4	64.26	78.020	
9,000.0	6,977.5	7,060.8	6,897.8	45.4	25.6	-88.98	-6,162.7	1,438.4	4,976.7	4,911.7	65.04	76.522	
9,055.1	6,977.3	7,061.0	6,897.9	46.3	25.6	-88.98	-6,162.7	1,438.4	4,929.9	4,863.9	66.03	74.658	
9,100.0	6,977.1	7,061.1	6,898.0	47.1	25.6	-88.99	-6,162.7	1,438.4	4,891.9	4,825.1	66.85	73.183	
9,153.5	6,976.8	7,061.2	6,898.1	48.0	25.6	-88.99	-6,162.7	1,438.4	4,846.8	4,779.0	67.82	71.463	
9,200.0	6,976.6	7,061.3	6,898.2	48.8	25.6	-88.99	-6,162.7	1,438.4	4,807.7	4,739.0	68.67	70.012	
9,251.9	6,976.3	7,061.4	6,898.4	49.7	25.6	-88.99	-6,162.7	1,438.4	4,764.2	4,694.6	69.62	68.427	
9,300.0	6,976.1	7,061.5	6,898.5	50.5	25.6	-89.00	-6,162.7	1,438.4	4,724.1	4,653.6	70.51	67.002	
9,350.4	6,975.8	7,061.6	6,898.6	51.3	25.6	-89.00	-6,162.7	1,438.4	4,682.2	4,610.8	71.44	65.542	
9,400.0	6,975.6	7,061.7	6,898.7	52.2	25.6	-89.00	-6,162.7	1,438.4	4,641.2	4,568.8	72.36	64.142	
9,448.8	6,975.3	7,061.8	6,898.8	53.1	25.6	-89.00	-6,162.7	1,438.4	4,600.9	4,527.7	73.27	62.798	
9,500.0	6,975.1	7,062.0	6,898.9	54.0	25.6	-89.01	-6,162.7	1,438.4	4,558.9	4,484.7	74.22	61.426	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 731-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,547.2	6,974.9	7,062.1	6,899.0	54.8	25.6	-89.01	-6,162.7	1,438.4	4,520.3	4,445.2	75.10	60.189	
9,600.0	6,974.6	7,062.2	6,899.2	55.7	25.6	-89.01	-6,162.7	1,438.4	4,477.4	4,401.3	76.09	58.844	
9,645.6	6,974.4	7,062.3	6,899.3	56.5	25.6	-89.01	-6,162.7	1,438.4	4,440.4	4,363.4	76.95	57.708	
9,700.0	6,974.1	7,062.4	6,899.4	57.5	25.6	-89.02	-6,162.7	1,438.4	4,396.6	4,318.6	77.97	56.390	
9,744.1	6,973.9	7,062.5	6,899.5	58.3	25.6	-89.02	-6,162.7	1,438.4	4,361.2	4,282.4	78.80	55.346	
9,800.0	6,973.6	7,062.7	6,899.6	59.3	25.6	-89.02	-6,162.7	1,438.4	4,316.6	4,236.7	79.85	54.056	
9,842.5	6,973.4	7,062.8	6,899.7	60.0	25.6	-89.02	-6,162.7	1,438.4	4,282.9	4,202.2	80.66	53.098	
9,900.0	6,973.1	7,062.9	6,899.9	61.1	25.6	-89.03	-6,162.7	1,438.4	4,237.5	4,155.7	81.75	51.836	
9,940.9	6,972.9	7,063.0	6,900.0	61.8	25.6	-89.03	-6,162.7	1,438.5	4,205.3	4,122.8	82.53	50.958	
10,000.0	6,972.6	7,063.1	6,900.1	62.9	25.6	-89.03	-6,162.7	1,438.5	4,159.2	4,075.6	83.65	49.723	
10,039.3	6,972.4	7,063.2	6,900.2	63.6	25.6	-89.04	-6,162.7	1,438.5	4,128.7	4,044.3	84.40	48.919	
10,100.0	6,972.1	7,063.4	6,900.3	64.7	25.6	-89.04	-6,162.7	1,438.5	4,082.0	3,996.4	85.55	47.712	
10,137.8	6,972.0	7,063.5	6,900.4	65.4	25.6	-89.04	-6,162.7	1,438.5	4,053.0	3,966.7	86.28	46.977	
10,200.0	6,971.6	7,063.6	6,900.6	66.6	25.6	-89.04	-6,162.7	1,438.5	4,005.7	3,918.2	87.47	45.797	
10,236.2	6,971.5	7,063.7	6,900.7	67.2	25.6	-89.05	-6,162.7	1,438.5	3,978.3	3,890.2	88.16	45.127	
10,300.0	6,971.2	7,063.9	6,900.8	68.4	25.6	-89.05	-6,162.7	1,438.5	3,930.5	3,841.1	89.38	43.974	
10,334.6	6,971.0	7,063.9	6,900.9	69.0	25.6	-89.05	-6,162.7	1,438.5	3,904.7	3,814.7	90.05	43.363	
10,400.0	6,970.7	7,064.1	6,901.1	70.2	25.6	-89.05	-6,162.7	1,438.5	3,856.4	3,765.1	91.30	42.238	
10,433.0	6,970.5	7,064.2	6,901.2	70.9	25.6	-89.06	-6,162.7	1,438.5	3,832.2	3,740.2	91.94	41.682	
10,500.0	6,970.2	7,064.4	6,901.3	72.1	25.6	-89.06	-6,162.7	1,438.5	3,783.5	3,690.3	93.23	40.584	
10,531.5	6,970.0	7,064.4	6,901.4	72.7	25.6	-89.06	-6,162.7	1,438.5	3,760.8	3,667.0	93.83	40.080	
10,600.0	6,969.7	7,064.6	6,901.6	74.0	25.6	-89.07	-6,162.7	1,438.5	3,711.9	3,616.7	95.15	39.009	
10,629.9	6,969.5	7,064.7	6,901.7	74.5	25.6	-89.07	-6,162.7	1,438.5	3,690.7	3,595.0	95.73	38.553	
10,700.0	6,969.2	7,064.9	6,901.8	75.8	25.6	-89.07	-6,162.7	1,438.5	3,641.6	3,544.5	97.09	37.509	
10,728.3	6,969.0	7,064.9	6,901.9	76.4	25.6	-89.07	-6,162.7	1,438.5	3,621.9	3,524.3	97.63	37.097	
10,800.0	6,968.7	7,065.1	6,902.1	77.7	25.6	-89.08	-6,162.7	1,438.5	3,572.7	3,473.7	99.02	36.080	
10,826.7	6,968.6	7,065.2	6,902.2	78.2	25.6	-89.08	-6,162.7	1,438.5	3,554.6	3,455.0	99.54	35.710	
10,900.0	6,968.2	7,065.4	6,902.4	79.6	25.6	-89.08	-6,162.7	1,438.5	3,505.4	3,404.4	100.96	34.721	
10,925.2	6,968.1	7,065.5	6,902.4	80.1	25.6	-89.08	-6,162.7	1,438.5	3,488.6	3,387.2	101.45	34.389	
11,000.0	6,967.7	7,065.6	6,902.6	81.5	25.6	-89.09	-6,162.7	1,438.5	3,439.6	3,336.7	102.90	33.427	
11,023.6	6,967.6	7,065.7	6,902.7	81.9	25.6	-89.09	-6,162.7	1,438.5	3,424.3	3,320.9	103.36	33.130	
11,100.0	6,967.2	7,065.9	6,902.9	83.4	25.6	-89.10	-6,162.7	1,438.5	3,375.5	3,270.6	104.84	32.196	
11,122.0	6,967.1	7,066.0	6,902.9	83.8	25.6	-89.10	-6,162.7	1,438.5	3,361.6	3,256.3	105.27	31.933	
11,200.0	6,966.7	7,066.2	6,903.1	85.3	25.6	-89.10	-6,162.8	1,438.5	3,313.1	3,206.4	106.79	31.026	
11,220.4	6,966.6	7,066.2	6,903.2	85.7	25.6	-89.10	-6,162.8	1,438.5	3,300.6	3,193.4	107.19	30.794	
11,300.0	6,966.2	7,066.5	6,903.4	87.2	25.6	-89.11	-6,162.8	1,438.5	3,252.7	3,144.0	108.73	29.914	
11,318.9	6,966.1	7,066.5	6,903.5	87.5	25.6	-89.11	-6,162.8	1,438.5	3,241.5	3,132.4	109.10	29.711	
11,400.0	6,965.7	7,066.7	6,903.7	89.1	25.6	-89.11	-6,162.8	1,438.5	3,194.3	3,083.6	110.68	28.859	
11,417.3	6,965.6	7,066.8	6,903.7	89.4	25.6	-89.11	-6,162.8	1,438.5	3,184.4	3,073.3	111.02	28.682	
11,500.0	6,965.2	7,067.0	6,904.0	91.0	25.6	-89.12	-6,162.8	1,438.5	3,137.9	3,025.3	112.64	27.859	
11,515.7	6,965.2	7,067.0	6,904.0	91.3	25.6	-89.12	-6,162.8	1,438.5	3,129.2	3,016.3	112.94	27.706	
11,600.0	6,964.7	7,067.3	6,904.2	92.9	25.6	-89.13	-6,162.8	1,438.5	3,083.8	2,969.2	114.59	26.911	
11,614.1	6,964.7	7,067.3	6,904.3	93.2	25.6	-89.13	-6,162.8	1,438.5	3,076.3	2,961.4	114.87	26.782	
11,700.0	6,964.3	7,067.6	6,904.5	94.8	25.6	-89.13	-6,162.8	1,438.5	3,031.9	2,915.4	116.54	26.015	
11,712.6	6,964.2	7,067.6	6,904.6	95.1	25.6	-89.13	-6,162.8	1,438.5	3,025.6	2,908.8	116.79	25.906	
11,800.0	6,963.8	7,067.8	6,904.8	96.7	25.6	-89.14	-6,162.8	1,438.5	2,982.6	2,864.1	118.50	25.169	
11,811.0	6,963.7	7,067.9	6,904.8	97.0	25.6	-89.14	-6,162.8	1,438.5	2,977.3	2,858.6	118.72	25.079	
11,900.0	6,963.3	7,068.1	6,905.1	98.7	25.6	-89.14	-6,162.8	1,438.5	2,935.8	2,815.4	120.46	24.372	
11,909.4	6,963.2	7,068.2	6,905.1	98.9	25.6	-89.14	-6,162.8	1,438.5	2,931.5	2,810.9	120.64	24.299	
12,000.0	6,962.8	7,068.4	6,905.4	100.6	25.6	-89.15	-6,162.8	1,438.5	2,891.7	2,769.3	122.42	23.622	
12,007.8	6,962.7	7,068.4	6,905.4	100.7	25.6	-89.15	-6,162.8	1,438.5	2,888.4	2,765.8	122.57	23.565	
12,100.0	6,962.3	7,068.7	6,905.7	102.5	25.6	-89.16	-6,162.8	1,438.5	2,850.5	2,726.1	124.38	22.918	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> SE SE SEC. 18 T4N R64W 6th P.M. - NEI C18-24D - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.0 usft
Survey Program: 731-MWD												<b>Offset Well Error:</b>	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,106.3	6,962.2	7,068.7	6,905.7	102.6	25.6	-89.16	-6,162.8	1,438.5	2,848.0	2,723.5	124.50	22.875	
12,200.0	6,961.8	7,069.0	6,906.0	104.5	25.6	-89.16	-6,162.8	1,438.5	2,812.2	2,685.9	126.34	22.259	
12,204.7	6,961.8	7,069.0	6,906.0	104.5	25.6	-89.16	-6,162.8	1,438.5	2,810.5	2,684.0	126.43	22.229	
12,300.0	6,961.3	7,069.3	6,906.3	106.4	25.6	-89.17	-6,162.8	1,438.5	2,777.0	2,648.7	128.30	21.644	
12,303.1	6,961.3	7,069.3	6,906.3	106.4	25.6	-89.17	-6,162.8	1,438.5	2,775.9	2,647.6	128.36	21.625	
12,400.0	6,960.8	7,069.6	6,906.6	108.3	25.6	-89.18	-6,162.8	1,438.5	2,744.9	2,614.7	130.27	21.072	
12,401.5	6,960.8	7,069.6	6,906.6	108.3	25.6	-89.18	-6,162.8	1,438.5	2,744.5	2,614.2	130.30	21.063	
12,500.0	6,960.3	7,069.9	6,906.9	110.3	25.6	-89.18	-6,162.8	1,438.5	2,716.2	2,584.0	132.23	20.541	
12,598.4	6,959.8	7,070.2	6,907.2	112.2	25.6	-89.19	-6,162.8	1,438.5	2,691.3	2,557.1	134.17	20.059	
12,600.0	6,959.8	7,070.2	6,907.2	112.2	25.6	-89.19	-6,162.8	1,438.5	2,690.9	2,556.7	134.20	20.052	
12,696.8	6,959.3	7,070.5	6,907.5	114.1	25.6	-89.20	-6,162.8	1,438.6	2,669.8	2,533.7	136.10	19.616	
12,700.0	6,959.3	7,070.6	6,907.5	114.1	25.6	-89.20	-6,162.8	1,438.6	2,669.1	2,533.0	136.17	19.602	
12,795.2	6,958.8	7,070.9	6,907.8	116.0	25.6	-89.20	-6,162.8	1,438.6	2,651.7	2,513.7	138.04	19.210	
12,800.0	6,958.8	7,070.9	6,907.8	116.1	25.6	-89.20	-6,162.8	1,438.6	2,650.9	2,512.8	138.13	19.191	
12,893.7	6,958.3	7,071.2	6,908.1	117.9	25.6	-89.21	-6,162.8	1,438.6	2,637.2	2,497.2	139.98	18.840	
12,900.0	6,958.3	7,071.2	6,908.2	118.0	25.6	-89.21	-6,162.8	1,438.6	2,636.4	2,496.3	140.10	18.818	
12,992.1	6,957.9	7,071.5	6,908.5	119.8	25.6	-89.22	-6,162.8	1,438.6	2,626.3	2,484.4	141.92	18.506	
13,000.0	6,957.8	7,071.5	6,908.5	120.0	25.6	-89.22	-6,162.8	1,438.6	2,625.6	2,483.5	142.07	18.481	
13,090.5	6,957.4	7,071.8	6,908.8	121.7	25.6	-89.22	-6,162.8	1,438.6	2,619.1	2,475.2	143.86	18.206	
13,100.0	6,957.3	7,071.8	6,908.8	121.9	25.6	-89.23	-6,162.8	1,438.6	2,618.5	2,474.5	144.04	18.179	
13,188.9	6,956.9	7,072.1	6,909.1	123.6	25.6	-89.23	-6,162.8	1,438.6	2,615.5	2,469.7	145.80	17.940	
13,200.0	6,956.8	7,072.2	6,909.1	123.9	25.6	-89.23	-6,162.8	1,438.6	2,615.3	2,469.3	146.01	17.912	
13,234.2	6,956.7	7,072.3	6,909.2	124.5	25.6	-89.24	-6,162.8	1,438.6	2,615.1	2,468.4	146.69	17.828 CC	
13,287.4	6,956.4	7,072.5	6,909.4	125.6	25.6	-89.24	-6,162.8	1,438.6	2,615.6	2,467.9	147.74	17.705 ES	
13,300.0	6,956.3	7,072.5	6,909.5	125.8	25.6	-89.24	-6,162.8	1,438.6	2,615.9	2,467.9	147.98	17.677	
13,385.8	6,955.9	7,072.8	6,909.8	127.5	25.6	-89.25	-6,162.8	1,438.6	2,619.5	2,469.8	149.68	17.501	
13,400.0	6,955.8	7,072.8	6,909.8	127.8	25.6	-89.25	-6,162.8	1,438.6	2,620.4	2,470.4	149.96	17.474	
13,484.2	6,955.4	7,073.1	6,910.1	129.4	25.6	-89.25	-6,162.8	1,438.6	2,627.0	2,475.4	151.62	17.326	
13,500.0	6,955.3	7,073.2	6,910.1	129.7	25.6	-89.25	-6,162.8	1,438.6	2,628.6	2,476.6	151.93	17.301	
13,582.6	6,954.9	7,073.5	6,910.4	131.3	25.6	-89.26	-6,162.8	1,438.6	2,638.2	2,484.7	153.56	17.180	
13,600.0	6,954.8	7,073.5	6,910.5	131.7	25.6	-89.26	-6,162.8	1,438.6	2,640.6	2,486.7	153.90	17.157	
13,681.1	6,954.4	7,073.8	6,910.8	133.2	25.6	-89.27	-6,162.8	1,438.6	2,653.0	2,497.5	155.50	17.061	
13,700.0	6,954.3	7,073.9	6,910.8	133.6	25.6	-89.27	-6,162.8	1,438.6	2,656.3	2,500.4	155.88	17.041	
13,779.5	6,953.9	7,074.2	6,911.1	135.2	25.6	-89.28	-6,162.8	1,438.6	2,671.3	2,513.9	157.45	16.967	
13,800.0	6,953.8	7,074.2	6,911.2	135.6	25.6	-89.28	-6,162.8	1,438.6	2,675.6	2,517.8	157.85	16.950	
13,877.9	6,953.5	7,074.5	6,911.5	137.1	25.6	-89.28	-6,162.8	1,438.6	2,693.2	2,533.8	159.39	16.896	
13,900.0	6,953.3	7,074.6	6,911.6	137.5	25.6	-89.29	-6,162.8	1,438.6	2,698.5	2,538.7	159.83	16.884	
13,976.3	6,953.0	7,074.9	6,911.8	139.0	25.6	-89.29	-6,162.8	1,438.6	2,718.4	2,557.0	161.34	16.849	
14,000.0	6,952.8	7,075.0	6,911.9	139.5	25.6	-89.29	-6,162.8	1,438.6	2,724.9	2,563.1	161.80	16.841	
14,074.8	6,952.5	7,075.2	6,912.2	140.9	25.6	-89.30	-6,162.8	1,438.6	2,746.9	2,583.6	163.28	16.823	
14,100.0	6,952.4	7,075.3	6,912.3	141.4	25.6	-89.30	-6,162.8	1,438.6	2,754.7	2,590.9	163.78	16.819 SF	
14,170.4	6,952.0	7,075.6	6,912.5	142.8	25.6	-89.31	-6,162.8	1,438.6	2,777.6	2,612.5	165.11	16.823	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 260-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	170.38	-5,114.8	867.3	5,187.9				
98.4	98.4	105.9	105.9	0.1	0.1	170.38	-5,114.7	867.1	5,187.7	5,187.5	0.19	N/A	
100.0	100.0	107.8	107.8	0.1	0.1	170.38	-5,114.7	867.1	5,187.7	5,187.5	0.19	N/A	
196.8	196.8	227.1	227.1	0.3	0.2	170.38	-5,114.0	866.4	5,187.1	5,186.6	0.51	N/A	
200.0	200.0	231.0	231.0	0.3	0.2	170.38	-5,114.0	866.4	5,187.1	5,186.6	0.52	9,988.449	
295.3	295.3	297.7	297.6	0.5	0.3	170.39	-5,113.6	865.8	5,186.4	5,185.6	0.83	6,214.895	
300.0	300.0	300.1	300.1	0.5	0.3	170.39	-5,113.6	865.8	5,186.4	5,185.6	0.85	6,100.595	
326.6	326.6	314.1	314.1	0.6	0.3	170.39	-5,113.6	865.8	5,186.4	5,185.4	0.94	5,528.765	
393.7	393.7	351.0	351.0	0.8	0.4	170.39	-5,113.7	865.6	5,186.6	5,185.4	1.16	4,458.046	
400.0	400.0	351.0	351.0	0.8	0.4	170.39	-5,113.7	865.6	5,186.6	5,185.4	1.18	4,404.473	
492.1	492.1	402.1	402.1	1.0	0.5	170.39	-5,114.3	865.7	5,187.6	5,186.1	1.49	3,483.006	
500.0	500.0	406.3	406.3	1.0	0.5	170.39	-5,114.4	865.7	5,187.7	5,186.2	1.52	3,422.535	
590.5	590.5	479.0	479.0	1.2	0.7	170.39	-5,115.9	866.0	5,189.6	5,187.8	1.87	2,778.364	
600.0	600.0	479.0	479.0	1.2	0.7	170.39	-5,115.9	866.0	5,189.8	5,187.9	1.89	2,747.226	
689.0	689.0	479.0	479.0	1.4	0.7	170.39	-5,115.9	866.0	5,192.4	5,190.4	2.09	2,485.494	
700.0	700.0	479.0	479.0	1.4	0.7	170.39	-5,115.9	866.0	5,192.9	5,190.8	2.11	2,456.561	
787.4	787.4	541.9	541.9	1.6	0.8	170.38	-5,118.0	867.0	5,196.2	5,193.7	2.45	2,119.656	
800.0	800.0	547.2	547.1	1.7	0.8	170.38	-5,118.3	867.2	5,196.8	5,194.3	2.49	2,085.842	
885.8	885.8	607.0	606.8	1.9	1.0	170.37	-5,121.2	869.1	5,201.3	5,198.5	2.82	1,845.390	
900.0	900.0	607.0	606.8	1.9	1.0	170.37	-5,121.2	869.1	5,202.0	5,199.2	2.85	1,825.025	
984.2	984.2	607.0	606.8	2.1	1.0	170.37	-5,121.2	869.1	5,207.3	5,204.2	3.04	1,713.052	
1,000.0	1,000.0	607.0	606.8	2.1	1.0	170.37	-5,121.2	869.1	5,208.4	5,205.3	3.08	1,693.698	
1,082.7	1,082.7	666.0	665.6	2.3	1.1	-112.21	-5,125.2	872.0	5,215.0	5,211.6	3.39	1,536.425	
1,100.0	1,100.0	666.0	665.6	2.3	1.1	-112.18	-5,125.2	872.0	5,216.6	5,213.1	3.43	1,519.863	
1,181.1	1,181.0	703.5	702.9	2.5	1.2	-112.06	-5,128.1	874.1	5,225.0	5,221.3	3.70	1,413.969	
1,200.0	1,199.8	726.0	725.3	2.5	1.3	-112.05	-5,129.9	875.4	5,227.2	5,223.4	3.79	1,379.938	
1,279.5	1,279.1	726.0	725.3	2.7	1.3	-111.86	-5,129.9	875.4	5,237.3	5,233.4	3.97	1,319.339	
1,300.0	1,299.5	726.0	725.3	2.8	1.3	-111.81	-5,129.9	875.4	5,240.3	5,236.3	4.02	1,304.741	
1,377.9	1,376.9	778.9	777.9	3.0	1.4	-111.68	-5,134.8	879.0	5,251.8	5,247.5	4.34	1,210.655	
1,400.0	1,398.7	786.1	785.0	3.0	1.4	-111.62	-5,135.5	879.5	5,255.5	5,251.0	4.41	1,191.787	
1,476.4	1,474.2	810.6	809.4	3.2	1.5	-111.42	-5,138.1	881.3	5,268.9	5,264.2	4.68	1,126.062	
1,500.0	1,497.5	854.0	852.3	3.3	1.6	-111.44	-5,143.3	884.9	5,273.7	5,268.9	4.85	1,087.892	
1,574.8	1,571.0	854.0	852.3	3.5	1.6	-111.16	-5,143.3	884.9	5,288.4	5,283.4	5.08	1,040.820	
1,600.0	1,595.6	854.0	852.3	3.6	1.6	-111.06	-5,143.3	884.9	5,293.8	5,288.6	5.16	1,026.017	
1,673.2	1,667.0	854.0	852.3	3.9	1.6	-110.74	-5,143.3	884.9	5,310.4	5,305.0	5.42	979.427	
1,700.0	1,693.1	854.0	852.3	4.0	1.6	-110.62	-5,143.3	884.9	5,316.9	5,311.3	5.52	963.584	
1,735.7	1,727.6	854.0	852.3	4.1	1.6	-110.44	-5,143.3	884.9	5,325.8	5,320.2	5.66	941.188	
1,771.6	1,762.4	902.0	899.6	4.3	1.8	-110.61	-5,149.8	889.3	5,334.5	5,328.5	5.94	898.516	
1,800.0	1,789.8	910.5	908.0	4.4	1.8	-110.64	-5,151.0	890.2	5,341.7	5,335.7	6.08	879.231	
1,870.1	1,857.6	931.3	928.4	4.7	1.9	-110.71	-5,154.1	892.4	5,360.1	5,353.7	6.43	833.445	
1,900.0	1,886.6	983.0	979.1	4.8	2.1	-110.89	-5,162.4	898.6	5,368.6	5,361.9	6.70	801.486	
1,968.5	1,952.8	983.0	979.1	5.2	2.1	-110.89	-5,162.4	898.6	5,387.0	5,380.0	7.00	769.258	
2,000.0	1,983.3	983.0	979.1	5.3	2.1	-110.89	-5,162.4	898.6	5,395.8	5,388.6	7.14	755.370	
2,066.9	2,048.0	983.0	979.1	5.6	2.1	-110.89	-5,162.4	898.6	5,414.9	5,407.4	7.45	726.809	
2,100.0	2,080.0	983.0	979.1	5.8	2.1	-110.89	-5,162.4	898.6	5,424.6	5,417.0	7.60	713.582	
2,165.3	2,143.2	983.0	979.1	6.1	2.1	-110.89	-5,162.4	898.6	5,444.4	5,436.5	7.91	688.397	
2,200.0	2,176.7	983.0	979.1	6.3	2.1	-110.89	-5,162.4	898.6	5,455.1	5,447.1	8.07	675.857	
2,263.8	2,238.4	1,037.3	1,032.0	6.6	2.3	-111.09	-5,172.2	905.8	5,474.5	5,466.0	8.54	641.116	
2,300.0	2,273.4	1,046.2	1,040.7	6.8	2.4	-111.12	-5,173.9	907.0	5,486.0	5,477.3	8.74	627.787	
2,362.2	2,333.6	1,061.5	1,055.5	7.1	2.5	-111.18	-5,177.0	909.2	5,506.1	5,497.0	9.09	606.057	
2,400.0	2,370.2	1,111.0	1,103.3	7.3	2.7	-111.36	-5,187.6	916.4	5,519.1	5,509.7	9.41	586.271	
2,460.6	2,428.8	1,111.0	1,103.3	7.6	2.7	-111.36	-5,187.6	916.4	5,539.1	5,529.4	9.71	570.430	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 260-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
2,500.0	2,466.9	1,111.0	1,103.3	7.8	2.7	-111.36	-5,187.6	916.4	5,552.5	5,542.6	9.90	560.682	
2,559.0	2,524.0	1,111.0	1,103.3	8.1	2.7	-111.36	-5,187.6	916.4	5,572.9	5,562.7	10.19	546.657	
2,600.0	2,563.6	1,111.0	1,103.3	8.3	2.7	-111.36	-5,187.6	916.4	5,587.4	5,577.0	10.40	537.425	
2,657.5	2,619.2	1,147.4	1,138.3	8.6	2.9	-111.50	-5,195.8	922.0	5,607.9	5,597.1	10.80	519.387	
2,700.0	2,660.3	1,164.3	1,154.5	8.8	3.0	-111.56	-5,199.8	924.7	5,623.3	5,612.3	11.06	508.376	
2,755.9	2,714.4	1,186.4	1,175.7	9.1	3.1	-111.64	-5,205.0	928.3	5,643.9	5,632.5	11.41	494.660	
2,800.0	2,757.0	1,203.7	1,192.3	9.4	3.2	-111.71	-5,209.1	931.2	5,660.3	5,648.6	11.68	484.461	
2,854.3	2,809.6	1,240.0	1,226.9	9.6	3.4	-111.85	-5,217.9	937.3	5,680.7	5,668.7	12.07	470.727	
2,900.0	2,853.8	1,240.0	1,226.9	9.9	3.4	-111.85	-5,217.9	937.3	5,698.1	5,685.8	12.30	463.364	
2,952.7	2,904.8	1,240.0	1,226.9	10.2	3.4	-111.85	-5,217.9	937.3	5,718.5	5,705.9	12.56	455.183	
3,000.0	2,950.5	1,240.0	1,226.9	10.4	3.4	-111.85	-5,217.9	937.3	5,737.1	5,724.3	12.80	448.171	
3,051.2	3,000.0	1,294.9	1,279.1	10.7	3.7	-112.05	-5,231.8	946.7	5,757.0	5,743.8	13.23	435.065	
3,100.0	3,047.2	1,311.7	1,295.1	10.9	3.8	-112.12	-5,236.3	949.6	5,776.6	5,763.0	13.53	426.880	
3,149.6	3,095.2	1,328.8	1,311.3	11.2	3.9	-112.18	-5,240.8	952.5	5,796.6	5,782.8	13.84	418.931	
3,200.0	3,143.9	1,368.0	1,348.4	11.5	4.2	-112.32	-5,251.6	959.1	5,817.3	5,803.1	14.21	409.272	
3,248.0	3,190.4	1,368.0	1,348.4	11.7	4.2	-112.32	-5,251.6	959.1	5,837.1	5,822.6	14.46	403.734	
3,300.0	3,240.6	1,368.0	1,348.4	12.0	4.2	-112.32	-5,251.6	959.1	5,858.8	5,844.1	14.72	397.973	
3,346.4	3,285.6	1,368.0	1,348.4	12.3	4.2	-112.32	-5,251.6	959.1	5,878.6	5,863.6	14.96	393.003	
3,400.0	3,337.4	1,416.7	1,394.3	12.5	4.5	-112.50	-5,265.5	967.6	5,901.3	5,885.9	15.39	383.531	
3,444.9	3,380.8	1,432.5	1,409.2	12.8	4.6	-112.56	-5,270.1	970.6	5,920.6	5,904.9	15.67	377.902	
3,500.0	3,434.1	1,451.9	1,427.4	13.1	4.7	-112.63	-5,275.7	974.2	5,944.6	5,928.6	16.01	371.276	
3,543.3	3,476.0	1,496.0	1,468.6	13.3	5.0	-112.80	-5,288.8	982.9	5,963.8	5,947.4	16.38	364.178	
3,600.0	3,530.8	1,496.0	1,468.6	13.6	5.0	-112.80	-5,288.8	982.9	5,988.8	5,972.1	16.67	359.360	
3,641.7	3,571.2	1,496.0	1,468.6	13.8	5.0	-112.80	-5,288.8	982.9	6,007.5	5,990.6	16.88	355.929	
3,700.0	3,627.5	1,496.0	1,468.6	14.2	5.0	-112.80	-5,288.8	982.9	6,034.0	6,016.8	17.18	351.302	
3,740.1	3,666.4	1,496.0	1,468.6	14.4	5.0	-112.80	-5,288.8	982.9	6,052.5	6,035.1	17.38	348.216	
3,800.0	3,724.2	1,552.0	1,520.7	14.7	5.4	-113.01	-5,305.9	994.4	6,079.8	6,061.9	17.89	339.909	
3,838.6	3,761.6	1,564.4	1,532.1	14.9	5.5	-113.06	-5,309.8	997.0	6,097.7	6,079.6	18.13	336.391	
3,900.0	3,821.0	1,583.9	1,550.2	15.2	5.6	-113.13	-5,315.9	1,001.2	6,126.6	6,108.0	18.51	331.012	
3,937.0	3,856.8	1,625.0	1,588.0	15.4	6.0	-113.29	-5,329.2	1,010.1	6,144.3	6,125.4	18.84	326.174	
4,000.0	3,917.7	1,625.0	1,588.0	15.8	6.0	-113.29	-5,329.2	1,010.1	6,174.2	6,155.0	19.16	322.249	
4,035.4	3,951.9	1,625.0	1,588.0	16.0	6.0	-113.29	-5,329.2	1,010.1	6,191.3	6,171.9	19.34	320.108	
4,100.0	4,014.4	1,676.0	1,634.9	16.3	6.3	-113.49	-5,345.8	1,021.6	6,222.5	6,202.6	19.85	313.440	
4,133.8	4,047.1	1,700.7	1,657.6	16.5	6.5	-113.58	-5,353.8	1,027.3	6,238.9	6,218.8	20.11	310.211	
4,200.0	4,111.1	1,753.0	1,705.5	16.9	6.9	-113.79	-5,370.6	1,039.7	6,271.1	6,250.5	20.63	303.981	
4,232.3	4,142.3	1,753.0	1,705.5	17.0	6.9	-113.79	-5,370.6	1,039.7	6,286.9	6,266.1	20.80	302.325	
4,300.0	4,207.8	1,753.0	1,705.5	17.4	6.9	-113.79	-5,370.6	1,039.7	6,320.4	6,299.3	21.14	298.954	
4,330.7	4,237.5	1,753.0	1,705.5	17.6	6.9	-113.79	-5,370.6	1,039.7	6,335.8	6,314.5	21.30	297.468	
4,400.0	4,304.6	1,807.9	1,755.5	17.9	7.4	-114.01	-5,388.5	1,053.3	6,370.3	6,348.4	21.86	291.396	
4,429.1	4,332.7	1,816.0	1,762.9	18.1	7.4	-114.04	-5,391.2	1,055.4	6,385.0	6,362.9	22.04	289.692	
4,500.0	4,401.3	1,835.6	1,780.6	18.5	7.6	-114.12	-5,397.8	1,060.4	6,421.1	6,398.6	22.48	285.684	
4,527.5	4,427.9	1,882.0	1,822.5	18.6	8.0	-114.31	-5,413.7	1,072.8	6,435.5	6,412.8	22.79	282.414	
4,600.0	4,498.0	1,882.0	1,822.5	19.0	8.0	-114.31	-5,413.7	1,072.8	6,472.8	6,449.6	23.16	279.501	
4,626.0	4,523.1	1,882.0	1,822.5	19.2	8.0	-114.31	-5,413.7	1,072.8	6,486.3	6,463.0	23.29	278.484	
4,700.0	4,594.7	1,882.0	1,822.5	19.6	8.0	-114.31	-5,413.7	1,072.8	6,525.1	6,501.4	23.67	275.668	
4,724.4	4,618.3	1,882.0	1,822.5	19.7	8.0	-114.31	-5,413.7	1,072.8	6,538.0	6,514.3	23.80	274.764	
4,800.0	4,691.5	1,921.2	1,857.6	20.1	8.3	-114.47	-5,427.4	1,083.5	6,578.3	6,553.9	24.34	270.236	
4,822.8	4,713.5	1,928.1	1,863.7	20.2	8.4	-114.49	-5,429.9	1,085.3	6,590.5	6,566.0	24.49	269.137	
4,900.0	4,788.2	1,951.2	1,884.3	20.7	8.6	-114.59	-5,438.2	1,091.7	6,632.1	6,607.2	24.98	265.542	
4,921.2	4,808.7	1,957.5	1,890.0	20.8	8.7	-114.61	-5,440.5	1,093.5	6,643.7	6,618.6	25.11	264.581	
5,000.0	4,884.9	2,010.0	1,936.6	21.2	9.2	-114.82	-5,459.7	1,108.1	6,686.9	6,661.2	25.72	259.966	
5,019.7	4,903.9	2,010.0	1,936.6	21.3	9.2	-114.82	-5,459.7	1,108.1	6,697.7	6,671.9	25.82	259.370	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 260-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.0	4,981.6	2,010.0	1,936.6	21.8	9.2	-114.82	-5,459.7	1,108.1	6,742.1	6,715.8	26.23	256.999		
5,118.1	4,999.1	2,010.0	1,936.6	21.8	9.2	-114.82	-5,459.7	1,108.1	6,752.2	6,725.8	26.33	256.478		
5,200.0	5,078.3	2,010.0	1,936.6	22.3	9.2	-114.82	-5,459.7	1,108.1	6,798.2	6,771.5	26.75	254.182		
5,216.5	5,094.3	2,010.0	1,936.6	22.4	9.2	-114.82	-5,459.7	1,108.1	6,807.6	6,780.8	26.83	253.730		
5,300.0	5,175.1	2,068.0	1,987.7	22.8	9.7	-115.05	-5,481.7	1,124.5	6,854.8	6,827.3	27.49	249.321		
5,314.9	5,189.5	2,072.3	1,991.4	22.9	9.8	-115.07	-5,483.3	1,125.7	6,863.3	6,835.7	27.59	248.783		
5,400.0	5,271.8	2,096.5	2,012.6	23.4	10.0	-115.16	-5,492.7	1,132.6	6,912.1	6,884.0	28.12	245.812		
5,413.4	5,284.7	2,138.0	2,048.9	23.5	10.4	-115.33	-5,509.1	1,144.6	6,920.1	6,891.8	28.35	244.068		
5,500.0	5,368.5	2,138.0	2,048.9	23.9	10.4	-115.33	-5,509.1	1,144.6	6,970.2	6,941.4	28.80	242.055		
5,511.8	5,379.9	2,138.0	2,048.9	24.0	10.4	-115.33	-5,509.1	1,144.6	6,977.0	6,948.2	28.86	241.787		
5,600.0	5,465.2	2,188.3	2,092.7	24.5	10.9	-115.52	-5,529.0	1,159.3	7,028.7	6,999.2	29.50	238.249		
5,610.2	5,475.1	2,198.2	2,101.3	24.5	11.0	-115.56	-5,532.9	1,162.2	7,034.7	7,005.1	29.59	237.726		
5,647.2	5,510.9	2,233.9	2,132.3	24.7	11.3	-115.70	-5,546.9	1,172.8	7,056.3	7,026.4	29.92	235.873		
5,700.0	5,562.1	2,288.6	2,180.0	25.0	11.8	-116.59	-5,568.2	1,189.3	7,087.1	7,056.8	30.21	234.620		
5,708.6	5,570.5	2,298.8	2,188.8	25.0	11.9	-116.73	-5,572.1	1,192.4	7,092.0	7,061.8	30.25	234.458		
5,800.0	5,659.6	2,446.1	2,317.6	25.3	13.1	-118.35	-5,629.1	1,235.6	7,144.0	7,113.2	30.82	231.791		
5,807.1	5,666.6	2,480.3	2,347.7	25.4	13.4	-118.53	-5,642.2	1,245.3	7,147.9	7,117.0	30.94	231.050		
5,900.0	5,757.9	2,576.4	2,432.5	25.7	14.3	-119.86	-5,678.8	1,272.0	7,198.5	7,167.2	31.30	230.011		
5,905.5	5,763.3	2,579.9	2,435.5	25.7	14.3	-119.93	-5,680.2	1,273.0	7,201.4	7,170.1	31.31	230.018		
6,000.0	5,856.7	2,652.0	2,499.1	26.0	14.9	-121.12	-5,707.7	1,293.0	7,251.7	7,220.2	31.56	229.784		
6,003.9	5,860.6	2,652.0	2,499.1	26.0	14.9	-121.17	-5,707.7	1,293.0	7,253.8	7,222.2	31.56	229.858		
6,100.0	5,956.1	2,708.7	2,548.9	26.2	15.5	-122.27	-5,729.5	1,308.8	7,303.6	7,271.9	31.74	230.119		
6,102.3	5,958.4	2,710.3	2,550.4	26.2	15.5	-122.30	-5,730.1	1,309.3	7,304.8	7,273.1	31.74	230.123		
6,200.0	6,055.7	2,780.0	2,611.7	26.4	16.2	-123.38	-5,757.0	1,328.8	7,354.2	7,322.2	31.94	230.220		
6,200.8	6,056.5	2,780.0	2,611.7	26.4	16.2	-123.39	-5,757.0	1,328.8	7,354.6	7,322.6	31.94	230.237		
6,299.2	6,154.8	2,851.1	2,674.2	26.5	16.9	-124.40	-5,784.6	1,348.6	7,402.8	7,370.7	32.12	230.464		
6,300.0	6,155.6	2,851.7	2,674.7	26.5	16.9	-124.41	-5,784.8	1,348.8	7,403.2	7,371.1	32.12	230.465		
6,382.9	6,238.5	2,909.0	2,725.0	26.6	17.4	157.46	-5,807.2	1,364.6	7,442.7	7,410.5	32.20	231.175		
6,397.6	6,253.2	2,909.0	2,725.0	26.6	17.4	157.46	-5,807.2	1,364.6	7,449.7	7,417.5	32.21	231.270		
6,400.0	6,255.6	2,909.0	2,725.0	26.6	17.4	157.46	-5,807.2	1,364.6	7,450.8	7,418.6	32.21	231.286		
6,412.9	6,268.5	2,909.0	2,725.0	26.6	17.4	157.46	-5,807.2	1,364.6	7,456.9	7,424.7	32.23	231.360		
6,450.0	6,305.6	2,909.0	2,725.0	26.7	17.4	-22.17	-5,807.2	1,364.6	7,473.7	7,441.2	32.50	229.963		
6,496.0	6,351.5	2,959.1	2,768.9	26.7	17.9	-21.61	-5,826.9	1,378.6	7,492.3	7,459.5	32.82	228.266		
6,500.0	6,355.4	2,960.8	2,770.4	26.7	17.9	-21.57	-5,827.6	1,379.1	7,493.8	7,460.9	32.83	228.237		
6,550.0	6,404.8	2,982.8	2,789.6	26.7	18.1	-21.06	-5,836.2	1,385.4	7,511.1	7,478.2	32.88	228.430		
6,594.5	6,448.1	3,002.6	2,806.8	26.8	18.3	-20.71	-5,844.1	1,391.2	7,524.0	7,491.2	32.78	229.514		
6,600.0	6,453.5	3,037.0	2,836.6	26.8	18.6	-20.73	-5,857.7	1,401.4	7,525.6	7,492.7	32.89	228.845		
6,650.0	6,501.3	3,037.0	2,836.6	26.8	18.6	-20.40	-5,857.7	1,401.4	7,536.9	7,504.4	32.51	231.833		
6,692.9	6,541.4	3,057.8	2,854.7	26.8	18.9	-20.24	-5,866.0	1,407.6	7,544.2	7,512.1	32.14	234.708		
6,700.0	6,548.0	3,064.5	2,860.5	26.8	18.9	-20.23	-5,868.7	1,409.6	7,545.2	7,513.1	32.08	235.176		
6,750.0	6,593.3	3,112.1	2,901.7	26.8	19.4	-20.19	-5,887.7	1,423.7	7,550.3	7,518.7	31.58	239.072		
6,791.3	6,629.6	3,151.3	2,935.8	26.8	19.8	-20.22	-5,903.5	1,435.3	7,552.1	7,521.1	31.06	243.160		
6,800.0	6,637.0	3,310.0	3,074.3	26.8	21.2	-20.59	-5,966.1	1,480.8	7,552.1	7,520.6	31.49	239.798		
6,850.0	6,679.0	3,346.4	3,106.2	26.8	21.5	-20.75	-5,980.1	1,491.2	7,549.8	7,519.2	30.66	246.234		
6,889.7	6,710.9	3,375.0	3,131.2	26.8	21.8	-20.94	-5,991.1	1,499.5	7,545.8	7,515.9	29.92	252.214		
6,900.0	6,718.9	3,382.2	3,137.6	26.8	21.9	-21.00	-5,993.9	1,501.6	7,544.4	7,514.7	29.71	253.903		
6,950.0	6,756.7	3,422.0	3,172.4	26.8	22.2	-21.37	-6,009.2	1,513.4	7,535.9	7,507.2	28.69	262.649		
6,988.2	6,783.9	3,679.0	3,399.3	26.8	24.5	-22.43	-6,106.4	1,584.8	7,526.7	7,498.0	28.66	262.578		
7,000.0	6,792.0	3,679.0	3,399.3	26.8	24.5	-22.54	-6,106.4	1,584.8	7,523.3	7,495.0	28.37	265.187		
7,050.0	6,824.8	3,715.4	3,431.7	26.8	24.8	-23.18	-6,120.2	1,594.0	7,507.4	7,480.1	27.27	275.328		
7,086.6	6,847.2	3,736.0	3,450.1	26.8	25.0	-23.71	-6,127.9	1,599.3	7,493.9	7,467.4	26.48	283.047		
7,100.0	6,854.9	3,743.4	3,456.7	26.8	25.1	-23.93	-6,130.7	1,601.2	7,488.6	7,462.4	26.18	286.081		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 260-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
7,150.0	6,882.2	3,770.1	3,480.3	26.8	25.3	-24.82	-6,140.7	1,608.4	7,466.9	7,441.8	25.18	296.520	
7,185.0	6,899.5	3,808.0	3,513.9	26.8	25.6	-25.64	-6,154.8	1,618.8	7,450.2	7,425.6	24.66	302.167	
7,200.0	6,906.5	3,808.0	3,513.9	26.9	25.6	-25.95	-6,154.8	1,618.8	7,442.7	7,418.3	24.40	304.966	
7,250.0	6,927.6	3,821.7	3,526.0	26.9	25.8	-27.16	-6,159.9	1,622.6	7,415.8	7,392.0	23.77	312.000	
7,283.4	6,940.0	3,840.4	3,542.6	27.0	25.9	-28.14	-6,166.8	1,627.9	7,396.4	7,372.9	23.56	313.945	
7,300.0	6,945.5	3,849.4	3,550.5	27.0	26.0	-28.67	-6,170.2	1,630.4	7,386.4	7,362.9	23.52	314.112	
7,350.0	6,960.2	3,875.0	3,573.2	27.1	26.2	-30.44	-6,179.7	1,637.6	7,354.8	7,331.1	23.65	311.035	
7,381.9	6,967.8	3,890.2	3,586.7	27.2	26.4	-31.73	-6,185.4	1,641.8	7,333.4	7,309.5	23.96	306.087	
7,400.0	6,971.5	3,898.4	3,594.0	27.2	26.5	-32.52	-6,188.5	1,644.1	7,320.9	7,296.7	24.22	302.290	
7,450.0	6,979.3	3,919.6	3,612.7	27.4	26.7	-34.97	-6,196.3	1,650.1	7,285.1	7,259.8	25.27	288.306	
7,480.3	6,982.4	3,936.0	3,627.2	27.5	26.8	-36.71	-6,202.5	1,654.7	7,262.5	7,236.3	26.19	277.320	
7,500.0	6,983.7	4,064.0	3,740.8	27.5	28.0	-39.05	-6,249.2	1,690.6	7,247.3	7,219.3	27.98	259.034	
7,541.4	6,984.7	4,064.0	3,740.8	27.7	28.0	-41.83	-6,249.2	1,690.6	7,214.5	7,185.0	29.58	243.925	
7,578.7	6,984.5	4,064.0	3,740.8	27.9	28.0	-41.83	-6,249.2	1,690.6	7,184.6	7,154.8	29.83	240.837	
7,600.0	6,984.4	4,064.0	3,740.8	28.0	28.0	-41.83	-6,249.2	1,690.6	7,167.6	7,137.6	29.98	239.103	
7,677.1	6,984.0	4,064.0	3,740.8	28.5	28.0	-41.83	-6,249.2	1,690.6	7,106.0	7,075.4	30.55	232.613	
7,700.0	6,983.9	4,100.7	3,773.4	28.6	28.3	-42.23	-6,262.4	1,700.8	7,087.6	7,056.5	31.11	227.850	
7,775.6	6,983.5	4,112.9	3,784.4	29.2	28.4	-42.36	-6,266.8	1,704.2	7,027.5	6,995.6	31.86	220.574	
7,800.0	6,983.4	4,116.9	3,787.9	29.4	28.4	-42.40	-6,268.3	1,705.4	7,008.1	6,976.0	32.10	218.293	
7,874.0	6,983.1	4,129.1	3,798.7	30.0	28.6	-42.53	-6,272.7	1,708.8	6,949.6	6,916.7	32.92	211.123	
7,900.0	6,982.9	4,133.4	3,802.5	30.3	28.6	-42.58	-6,274.3	1,710.0	6,929.1	6,895.9	33.20	208.686	
7,972.4	6,982.6	4,145.5	3,813.3	31.0	28.7	-42.71	-6,278.8	1,713.4	6,872.1	6,838.1	34.06	201.755	
8,000.0	6,982.4	4,150.2	3,817.4	31.3	28.7	-42.76	-6,280.5	1,714.7	6,850.5	6,816.1	34.39	199.206	
8,070.8	6,982.1	4,193.0	3,855.2	32.1	29.1	-43.23	-6,296.5	1,726.8	6,795.3	6,759.7	35.63	190.716	
8,100.0	6,982.0	4,193.0	3,855.2	32.4	29.1	-43.23	-6,296.5	1,726.8	6,772.5	6,736.6	35.94	188.426	
8,169.3	6,981.6	4,193.0	3,855.2	33.2	29.1	-43.23	-6,296.5	1,726.8	6,718.6	6,681.9	36.72	182.949	
8,200.0	6,981.5	4,193.0	3,855.2	33.6	29.1	-43.23	-6,296.5	1,726.8	6,694.8	6,657.8	37.07	180.600	
8,267.7	6,981.1	4,193.0	3,855.2	34.5	29.1	-43.23	-6,296.5	1,726.8	6,642.6	6,604.7	37.86	175.433	
8,300.0	6,981.0	4,193.0	3,855.2	34.9	29.1	-43.23	-6,296.5	1,726.8	6,617.7	6,579.5	38.24	173.050	
8,366.1	6,980.7	4,193.0	3,855.2	35.8	29.1	-43.23	-6,296.5	1,726.8	6,567.1	6,528.0	39.04	168.207	
8,400.0	6,980.5	4,193.0	3,855.2	36.3	29.1	-43.23	-6,296.5	1,726.8	6,541.3	6,501.8	39.45	165.808	
8,464.5	6,980.2	4,193.0	3,855.2	37.2	29.1	-43.23	-6,296.5	1,726.8	6,492.2	6,452.0	40.25	161.290	
8,500.0	6,980.0	4,193.0	3,855.2	37.7	29.1	-43.23	-6,296.5	1,726.8	6,465.4	6,424.7	40.69	158.891	
8,563.0	6,979.7	4,193.0	3,855.2	38.6	29.1	-43.23	-6,296.5	1,726.8	6,418.0	6,376.5	41.49	154.692	
8,600.0	6,979.5	4,193.0	3,855.2	39.1	29.1	-43.23	-6,296.5	1,726.8	6,390.2	6,348.3	41.96	152.304	
8,661.4	6,979.2	4,238.5	3,895.1	40.1	29.6	-43.74	-6,313.7	1,740.1	6,343.9	6,300.5	43.34	146.359	
8,700.0	6,979.0	4,242.8	3,898.9	40.7	29.6	-43.79	-6,315.4	1,741.4	6,315.1	6,271.2	43.90	143.844	
8,759.8	6,978.7	4,249.6	3,904.8	41.6	29.7	-43.86	-6,318.0	1,743.4	6,270.7	6,225.9	44.78	140.028	
8,800.0	6,978.5	4,254.1	3,908.8	42.2	29.7	-43.91	-6,319.7	1,744.8	6,241.0	6,195.6	45.37	137.550	
8,858.2	6,978.2	4,260.8	3,914.6	43.1	29.8	-43.99	-6,322.3	1,746.9	6,198.1	6,151.9	46.24	134.038	
8,900.0	6,978.0	4,265.6	3,918.7	43.8	29.9	-44.04	-6,324.1	1,748.4	6,167.5	6,120.7	46.87	131.602	
8,956.7	6,977.8	4,272.1	3,924.4	44.7	29.9	-44.12	-6,326.7	1,750.4	6,126.2	6,078.5	47.72	128.372	
9,000.0	6,977.5	4,321.0	3,966.6	45.4	30.4	-44.67	-6,345.8	1,766.2	6,095.3	6,046.3	49.00	124.400	
9,055.1	6,977.3	4,321.0	3,966.6	46.3	30.4	-44.67	-6,345.8	1,766.2	6,055.4	6,005.6	49.76	121.702	
9,100.0	6,977.1	4,321.0	3,966.6	47.1	30.4	-44.67	-6,345.8	1,766.2	6,023.0	5,972.6	50.37	119.568	
9,153.5	6,976.8	4,321.0	3,966.6	48.0	30.4	-44.67	-6,345.8	1,766.2	5,984.6	5,933.5	51.12	117.081	
9,200.0	6,976.6	4,321.0	3,966.6	48.8	30.4	-44.67	-6,345.8	1,766.2	5,951.5	5,899.7	51.76	114.984	
9,251.9	6,976.3	4,321.0	3,966.6	49.7	30.4	-44.67	-6,345.8	1,766.2	5,914.7	5,862.2	52.48	112.694	
9,300.0	6,976.1	4,321.0	3,966.6	50.5	30.4	-44.67	-6,345.8	1,766.2	5,880.8	5,827.7	53.15	110.636	
9,350.4	6,975.8	4,321.0	3,966.6	51.3	30.4	-44.67	-6,345.8	1,766.2	5,845.6	5,791.7	53.86	108.528	
9,400.0	6,975.6	4,321.0	3,966.6	52.2	30.4	-44.67	-6,345.8	1,766.2	5,811.0	5,756.5	54.56	106.510	
9,448.8	6,975.3	4,344.8	3,987.0	53.1	30.7	-44.95	-6,355.2	1,774.0	5,777.2	5,721.6	55.62	103.877	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 260-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,500.0	6,975.1	4,361.0	4,000.8	54.0	30.9	-45.14	-6,361.6	1,779.4	5,742.0	5,685.4	56.59	101.459	
9,547.2	6,974.9	4,375.9	4,013.6	54.8	31.0	-45.31	-6,367.5	1,784.4	5,709.6	5,652.1	57.50	99.290	
9,600.0	6,974.6	4,392.7	4,028.0	55.7	31.2	-45.50	-6,374.2	1,789.9	5,673.6	5,615.1	58.52	96.943	
9,645.6	6,974.4	4,407.2	4,040.4	56.5	31.4	-45.67	-6,379.9	1,794.8	5,642.6	5,583.2	59.42	94.969	
9,700.0	6,974.1	4,424.6	4,055.2	57.5	31.5	-45.88	-6,386.8	1,800.6	5,606.0	5,545.5	60.48	92.691	
9,744.1	6,973.9	4,450.0	4,077.0	58.3	31.8	-46.18	-6,396.9	1,809.0	5,576.4	5,514.9	61.54	90.619	
9,800.0	6,973.6	4,584.1	4,192.4	59.3	33.2	-47.76	-6,450.0	1,852.0	5,538.9	5,474.4	64.54	85.820	
9,842.5	6,973.4	4,602.2	4,208.0	60.0	33.3	-47.98	-6,457.1	1,857.6	5,510.3	5,444.9	65.47	84.169	
9,900.0	6,973.1	4,626.7	4,229.3	61.1	33.6	-48.27	-6,466.8	1,865.0	5,471.9	5,405.1	66.73	82.002	
9,940.9	6,972.9	4,644.2	4,244.4	61.8	33.7	-48.48	-6,473.8	1,870.4	5,444.6	5,377.0	67.63	80.502	
10,000.0	6,972.6	4,669.6	4,266.4	62.9	34.0	-48.79	-6,483.8	1,878.1	5,405.5	5,336.6	68.95	78.402	
10,039.3	6,972.4	4,686.5	4,281.1	63.6	34.1	-48.99	-6,490.6	1,883.2	5,379.6	5,309.8	69.83	77.041	
10,100.0	6,972.1	4,706.0	4,298.0	64.7	34.3	-49.23	-6,498.3	1,889.0	5,339.9	5,268.8	71.08	75.126	
10,137.8	6,972.0	4,706.0	4,298.0	65.4	34.3	-49.23	-6,498.3	1,889.0	5,315.4	5,243.7	71.66	74.177	
10,200.0	6,971.6	4,740.4	4,327.8	66.6	34.7	-49.64	-6,512.1	1,899.3	5,275.1	5,201.9	73.21	72.057	
10,236.2	6,971.5	4,751.4	4,337.3	67.2	34.8	-49.78	-6,516.6	1,902.5	5,251.9	5,177.9	73.96	71.012	
10,300.0	6,971.2	4,771.1	4,354.3	68.4	35.0	-50.01	-6,524.6	1,908.3	5,211.2	5,135.9	75.29	69.218	
10,334.6	6,971.0	4,781.9	4,363.7	69.0	35.1	-50.14	-6,529.0	1,911.4	5,189.3	5,113.3	76.01	68.267	
10,400.0	6,970.7	4,802.6	4,381.5	70.2	35.3	-50.40	-6,537.6	1,917.4	5,148.2	5,070.8	77.40	66.516	
10,433.0	6,970.5	4,813.2	4,390.7	70.9	35.4	-50.52	-6,542.0	1,920.5	5,127.6	5,049.5	78.10	65.652	
10,500.0	6,970.2	4,835.0	4,409.5	72.1	35.6	-50.79	-6,551.1	1,926.7	5,086.1	5,006.6	79.54	63.943	
10,531.5	6,970.0	4,854.7	4,426.5	72.7	35.8	-51.03	-6,559.4	1,932.3	5,066.8	4,986.4	80.39	63.025	
10,600.0	6,969.7	4,897.6	4,463.5	74.0	36.2	-51.55	-6,577.4	1,944.4	5,024.9	4,942.6	82.26	61.089	
10,629.9	6,969.5	4,916.1	4,479.5	74.5	36.4	-51.78	-6,585.1	1,949.6	5,006.7	4,923.6	83.07	60.270	
10,700.0	6,969.2	4,959.4	4,516.9	75.8	36.8	-52.32	-6,603.1	1,961.7	4,964.4	4,879.4	84.99	58.413	
10,728.3	6,969.0	4,971.1	4,527.1	76.4	36.9	-52.46	-6,607.9	1,965.0	4,947.4	4,861.7	85.66	57.756	
10,800.0	6,968.7	4,997.1	4,549.6	77.7	37.1	-52.79	-6,618.7	1,972.3	4,904.8	4,817.5	87.30	56.186	
10,826.7	6,968.6	5,006.8	4,557.9	78.2	37.2	-52.91	-6,622.7	1,975.0	4,889.0	4,801.1	87.91	55.615	
10,900.0	6,968.2	5,033.1	4,580.8	79.6	37.5	-53.24	-6,633.6	1,982.5	4,846.1	4,756.6	89.59	54.092	
10,925.2	6,968.1	5,042.2	4,588.6	80.1	37.6	-53.35	-6,637.3	1,985.1	4,831.6	4,741.4	90.17	53.582	
11,000.0	6,967.7	5,069.0	4,611.8	81.5	37.8	-53.69	-6,648.4	1,992.7	4,788.6	4,696.7	91.90	52.107	
11,023.6	6,967.6	5,077.5	4,619.1	81.9	37.9	-53.80	-6,651.8	1,995.2	4,775.2	4,682.7	92.45	51.653	
11,100.0	6,967.2	5,115.2	4,651.8	83.4	38.3	-54.28	-6,667.3	2,006.0	4,732.2	4,637.7	94.43	50.114	
11,122.0	6,967.1	5,129.5	4,664.2	83.8	38.4	-54.46	-6,673.2	2,010.1	4,719.9	4,624.8	95.07	49.648	
11,200.0	6,966.7	5,179.5	4,707.6	85.3	38.9	-55.10	-6,693.5	2,024.3	4,676.7	4,579.3	97.33	48.049	
11,220.4	6,966.6	5,192.5	4,718.9	85.7	39.0	-55.27	-6,698.8	2,028.0	4,665.4	4,567.5	97.93	47.642	
11,300.0	6,966.2	5,371.1	4,875.5	87.2	40.6	-57.61	-6,769.0	2,077.2	4,621.6	4,518.9	102.75	44.980	
11,318.9	6,966.1	5,379.9	4,883.3	87.5	40.7	-57.72	-6,772.4	2,079.5	4,611.3	4,508.0	103.24	44.665	
11,400.0	6,965.7	5,418.4	4,917.4	89.1	41.1	-58.23	-6,787.4	2,089.5	4,567.1	4,461.7	105.37	43.342	
11,417.3	6,965.6	5,426.7	4,924.7	89.4	41.1	-58.34	-6,790.6	2,091.6	4,557.7	4,451.9	105.83	43.066	
11,500.0	6,965.2	5,467.0	4,960.4	91.0	41.5	-58.88	-6,806.5	2,101.8	4,513.6	4,405.6	108.04	41.778	
11,515.7	6,965.2	5,474.8	4,967.3	91.3	41.6	-58.98	-6,809.6	2,103.7	4,505.4	4,396.9	108.46	41.538	
11,600.0	6,964.7	5,477.0	4,969.2	92.9	41.6	-59.01	-6,810.4	2,104.3	4,461.5	4,351.6	109.95	40.576	
11,614.1	6,964.7	5,477.0	4,969.2	93.2	41.6	-59.01	-6,810.4	2,104.3	4,454.3	4,344.1	110.20	40.421	
11,700.0	6,964.3	5,477.0	4,969.2	94.8	41.6	-59.01	-6,810.4	2,104.3	4,411.1	4,299.4	111.67	39.499	
11,712.6	6,964.2	5,477.0	4,969.2	95.1	41.6	-59.01	-6,810.4	2,104.3	4,404.8	4,292.9	111.89	39.367	
11,800.0	6,963.8	5,524.5	5,011.0	96.7	42.0	-59.64	-6,829.3	2,116.4	4,361.7	4,247.3	114.37	38.136	
11,811.0	6,963.7	5,526.4	5,012.7	97.0	42.0	-59.67	-6,830.1	2,116.9	4,356.4	4,241.8	114.60	38.013	
11,900.0	6,963.3	5,541.6	5,026.1	98.7	42.2	-59.87	-6,836.2	2,120.9	4,314.2	4,197.7	116.46	37.044	
11,909.4	6,963.2	5,543.3	5,027.5	98.9	42.2	-59.90	-6,836.9	2,121.3	4,309.8	4,193.1	116.66	36.944	
12,000.0	6,962.8	5,558.9	5,041.2	100.6	42.4	-60.11	-6,843.2	2,125.5	4,268.3	4,149.8	118.56	36.002	
12,007.8	6,962.7	5,560.3	5,042.4	100.7	42.4	-60.12	-6,843.7	2,125.9	4,264.8	4,146.1	118.72	35.922	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 260-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,100.0	6,962.3	5,605.0	5,081.4	102.5	42.8	-60.73	-6,861.8	2,138.3	4,224.4	4,103.1	121.27	34.835	
12,106.3	6,962.2	5,605.0	5,081.4	102.6	42.8	-60.73	-6,861.8	2,138.3	4,221.7	4,100.3	121.38	34.781	
12,200.0	6,961.8	5,605.0	5,081.4	104.5	42.8	-60.73	-6,861.8	2,138.3	4,181.8	4,058.8	123.02	33.993	
12,204.7	6,961.8	5,605.0	5,081.4	104.5	42.8	-60.73	-6,861.8	2,138.3	4,179.9	4,056.8	123.10	33.954	
12,300.0	6,961.3	5,631.4	5,104.3	106.4	43.0	-61.09	-6,872.5	2,145.8	4,141.2	4,015.8	125.34	33.040	
12,303.1	6,961.3	5,633.7	5,106.3	106.4	43.1	-61.12	-6,873.4	2,146.5	4,139.9	4,014.5	125.44	33.003	
12,400.0	6,960.8	5,703.4	5,167.1	108.3	43.7	-62.07	-6,901.3	2,166.0	4,102.0	3,973.4	128.64	31.888	
12,401.5	6,960.8	5,704.5	5,168.1	108.3	43.7	-62.09	-6,901.8	2,166.3	4,101.4	3,972.7	128.69	31.871	
12,500.0	6,960.3	5,781.9	5,235.9	110.3	44.5	-63.15	-6,932.2	2,187.6	4,064.2	3,932.1	132.07	30.773	
12,598.4	6,959.8	5,862.2	5,306.8	112.2	45.2	-64.27	-6,963.1	2,209.3	4,028.3	3,892.8	135.51	29.727	
12,600.0	6,959.8	5,863.5	5,308.0	112.2	45.2	-64.28	-6,963.6	2,209.7	4,027.8	3,892.2	135.57	29.711	
12,696.8	6,959.3	5,939.3	5,375.4	114.1	45.9	-65.35	-6,991.8	2,229.8	3,993.8	3,855.0	138.86	28.761	
12,700.0	6,959.3	5,941.7	5,377.5	114.1	45.9	-65.38	-6,992.7	2,230.5	3,992.7	3,853.8	138.97	28.731	
12,795.2	6,958.8	6,002.4	5,431.9	116.0	46.4	-66.24	-7,014.3	2,246.5	3,960.8	3,818.9	141.93	27.906	
12,800.0	6,958.8	6,004.4	5,433.8	116.1	46.4	-66.27	-7,015.0	2,247.1	3,959.3	3,817.2	142.06	27.870	
12,893.7	6,958.3	6,045.6	5,470.7	117.9	46.8	-66.86	-7,029.5	2,257.9	3,929.5	3,784.9	144.60	27.175	
12,900.0	6,958.3	6,048.4	5,473.2	118.0	46.8	-66.90	-7,030.5	2,258.6	3,927.6	3,782.8	144.77	27.129	
12,992.1	6,957.9	6,089.0	5,509.7	119.8	47.1	-67.48	-7,044.8	2,269.2	3,900.1	3,752.9	147.27	26.482	
13,000.0	6,957.8	6,092.4	5,512.9	120.0	47.2	-67.53	-7,046.0	2,270.1	3,897.9	3,750.4	147.49	26.428	
13,090.5	6,957.4	6,133.4	5,549.7	121.7	47.5	-68.11	-7,060.5	2,280.6	3,872.6	3,722.6	149.98	25.822	
13,100.0	6,957.3	6,137.9	5,553.8	121.9	47.5	-68.18	-7,062.1	2,281.8	3,870.1	3,719.8	150.24	25.759	
13,188.9	6,956.9	6,180.6	5,592.2	123.6	47.9	-68.79	-7,077.3	2,292.5	3,847.0	3,694.3	152.73	25.188	
13,200.0	6,956.8	6,186.0	5,597.0	123.9	47.9	-68.87	-7,079.2	2,293.9	3,844.3	3,691.2	153.04	25.119	
13,287.4	6,956.4	6,228.7	5,635.4	125.6	48.3	-69.48	-7,094.6	2,304.5	3,823.4	3,667.8	155.51	24.586	
13,300.0	6,956.3	6,234.9	5,641.0	125.8	48.4	-69.57	-7,096.8	2,306.0	3,820.5	3,664.6	155.87	24.511	
13,385.8	6,955.9	6,301.3	5,700.8	127.5	48.9	-70.52	-7,120.9	2,322.0	3,801.6	3,642.8	158.76	23.946	
13,400.0	6,955.8	6,314.0	5,712.2	127.8	49.0	-70.70	-7,125.6	2,324.9	3,798.6	3,639.3	159.27	23.850	
13,484.2	6,955.4	6,381.3	5,772.9	129.4	49.6	-71.67	-7,150.3	2,340.2	3,781.4	3,619.3	162.12	23.324	
13,500.0	6,955.3	6,386.6	5,777.7	129.7	49.6	-71.74	-7,152.2	2,341.4	3,778.4	3,615.8	162.52	23.248	
13,582.6	6,954.9	6,414.2	5,802.6	131.3	49.8	-72.14	-7,162.3	2,347.5	3,763.3	3,598.7	164.59	22.864	
13,600.0	6,954.8	6,419.9	5,807.8	131.7	49.9	-72.22	-7,164.4	2,348.8	3,760.3	3,595.3	165.03	22.786	
13,681.1	6,954.4	6,446.3	5,831.7	133.2	50.1	-72.60	-7,174.0	2,354.8	3,747.3	3,580.2	167.05	22.432	
13,700.0	6,954.3	6,452.4	5,837.2	133.6	50.1	-72.69	-7,176.2	2,356.1	3,744.5	3,576.9	167.52	22.352	
13,779.5	6,953.9	6,477.7	5,860.1	135.2	50.3	-73.06	-7,185.2	2,361.9	3,733.5	3,564.0	169.50	22.027	
13,800.0	6,953.8	6,484.2	5,866.0	135.6	50.4	-73.15	-7,187.5	2,363.4	3,730.9	3,560.9	170.00	21.946	
13,877.9	6,953.5	6,504.0	5,884.0	137.1	50.6	-73.44	-7,194.5	2,367.9	3,722.0	3,550.2	171.85	21.659	
13,900.0	6,953.3	6,504.0	5,884.0	137.5	50.6	-73.44	-7,194.5	2,367.9	3,719.8	3,547.5	172.27	21.593	
13,976.3	6,953.0	6,504.0	5,884.0	139.0	50.6	-73.44	-7,194.5	2,367.9	3,713.0	3,539.3	173.72	21.373	
14,000.0	6,952.8	6,504.0	5,884.0	139.5	50.6	-73.44	-7,194.5	2,367.9	3,711.2	3,537.1	174.17	21.308	
14,074.8	6,952.5	6,541.0	5,917.5	140.9	50.9	-73.98	-7,207.6	2,376.6	3,706.2	3,530.0	176.27	21.026	
14,100.0	6,952.4	6,545.4	5,921.5	141.4	50.9	-74.04	-7,209.1	2,377.6	3,704.9	3,528.1	176.83	20.952	
14,170.4	6,952.0	6,557.7	5,932.6	142.8	51.0	-74.22	-7,213.4	2,380.6	3,702.1	3,523.8	178.34	20.759 CC, ES, SF	

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

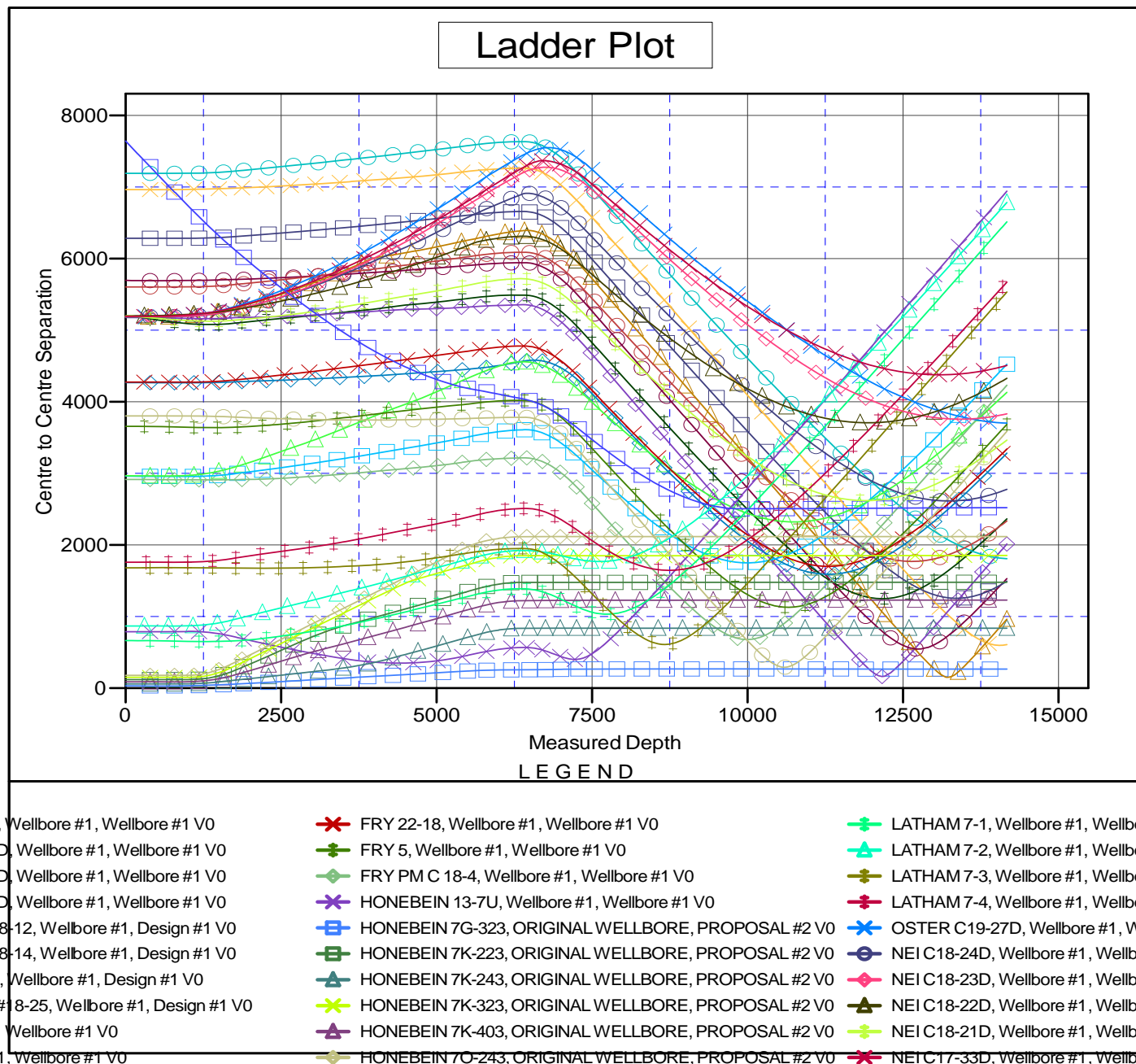
Reference Depths are relative to KB-EST @ 4859.5usft (Original Well ECoordinates are relative to: HONEBEIN 7G-203

Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, Colorado Northern Zone

Central Meridian is -105.500000

Grid Convergence at Surface is: 0.58°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well HONEBEIN 7G-203
<b>Project:</b>	WELD COUNTY, COLORADO	<b>TVD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC. 7 T4N R64W 6th P.M.	<b>MD Reference:</b>	KB-EST @ 4859.5usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	HONEBEIN 7G-203	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDM 5000.1 Single User Db
<b>Reference Design:</b>	PROPOSAL #2	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB-EST @ 4859.5usft (Original Well ECoordinates are relative to: HONEBEIN 7G-203

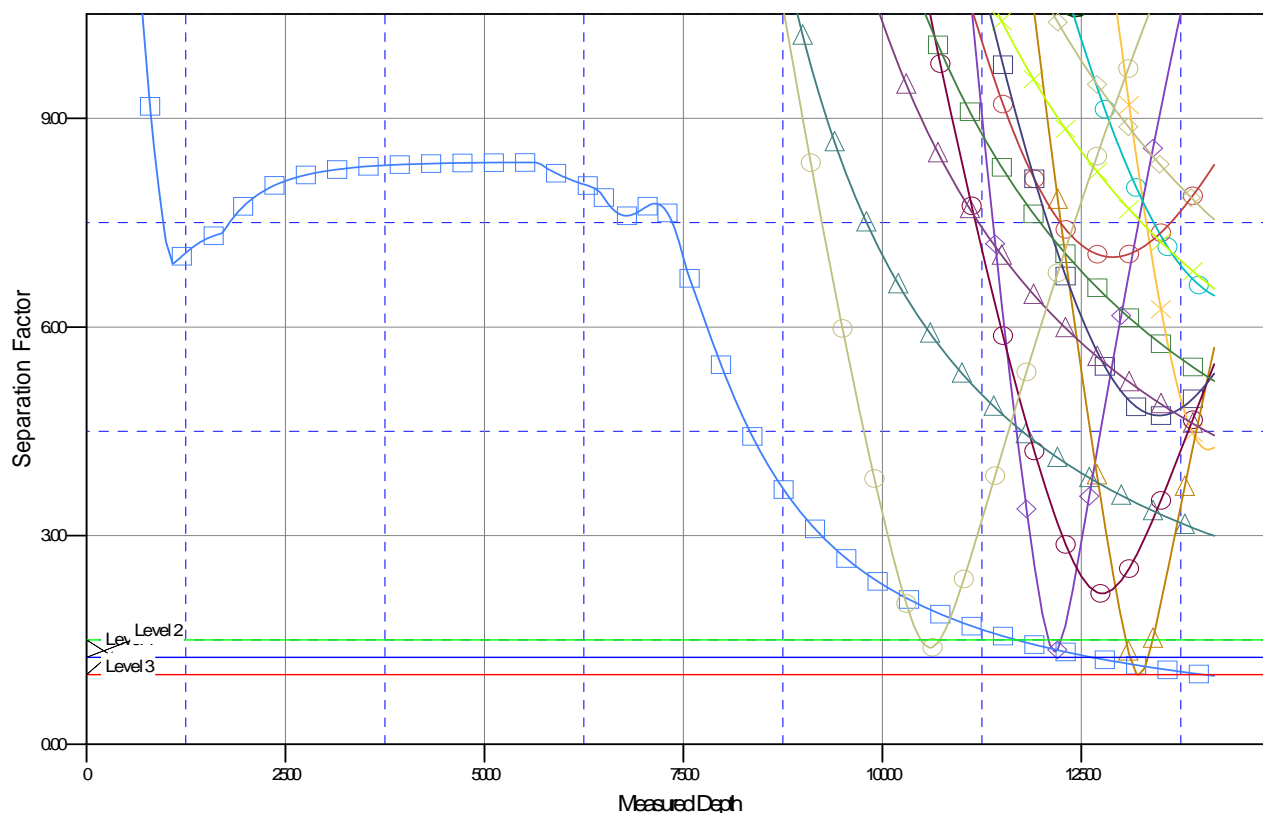
Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1983, Colorado Northern Zone

Central Meridian is -105.500000

Grid Convergence at Surface is: 0.58°

## Separation Factor Plot



### LEGEND

I, Wellbore #1, Wellbore #1 V0	FRY 22-18, Wellbore #1, Wellbore #1 V0	LATHAM 7-1, Wellbore #1, Wellbore
JD, Wellbore #1, Wellbore #1 V0	FRY 5, Wellbore #1, Wellbore #1 V0	LATHAM 7-2, Wellbore #1, Wellbore
2D, Wellbore #1, Wellbore #1 V0	FRY PM C 18-4, Wellbore #1, Wellbore #1 V0	LATHAM 7-3, Wellbore #1, Wellbore
3D, Wellbore #1, Wellbore #1 V0	HONEBEIN 13-7U, Wellbore #1, Wellbore #1 V0	LATHAM 7-4, Wellbore #1, Wellbore
18-12, Wellbore #1, Design #1 V0	HONEBEIN 7G-323, ORIGINAL WELLBORE, PROPOSAL #2 V0	OSTER C19-27D, Wellbore #1, Well
18-14, Wellbore #1, Design #1 V0	HONEBEIN 7K-223, ORIGINAL WELLBORE, PROPOSAL #2 V0	NEI C18-24D, Wellbore #1, Wellbore
2, Wellbore #1, Design #1 V0	HONEBEIN 7K-243, ORIGINAL WELLBORE, PROPOSAL #2 V0	NEI C18-23D, Wellbore #1, Wellbore
# 8-25, Wellbore #1, Design #1 V0	HONEBEIN 7K-323, ORIGINAL WELLBORE, PROPOSAL #2 V0	NEI C18-22D, Wellbore #1, Wellbore
I, Wellbore #1 V0	HONEBEIN 7K-403, ORIGINAL WELLBORE, PROPOSAL #2 V0	NEI C18-21D, Wellbore #1, Wellbore
#1, Wellbore #1 V0	HONEBEIN 7G-243, ORIGINAL WELLBORE, PROPOSAL #2 V0	NEI C17-33D, Wellbore #1, Wellbore