



Project: **WELD COUNTY, COLORADO (TRUE)**  
Site: **NE SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)**  
Well: **SCHRUTE 5N**  
Wellbore: **Wellbore #1**  
Design: **PROPOSAL #1**

#### ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.0	START NUDGE (2.50°/100ft)
1805.9	27.65	254.47	1763.5	-70.1	-252.1	-245.0	261.7	EOB TO 27.65° INC
6223.5	27.65	254.47	5676.7	-619.1	-2227.1	-2164.3	2311.5	KOP (8.00°/100ft)
7684.3	90.31	89.96	6703.0	-763.2	-1582.6	-1509.6	3143.8	HZ LANDING POINT/EP
17866.0	90.31	89.96	6648.0	-756.5	8598.9	8632.1	13325.2	TD/BHL



Azimuths to True North  
Magnetic North: 7.90°

#### Magnetic Field

Strength: 52201.3nT  
Dip Angle: 66.84°  
Date: 4/30/2019  
Model: IGRF2015

#### SHL FOOTAGE: SEC 16

2265	FSL	1762	FWL
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#### BHL FOOTAGE: SEC 15

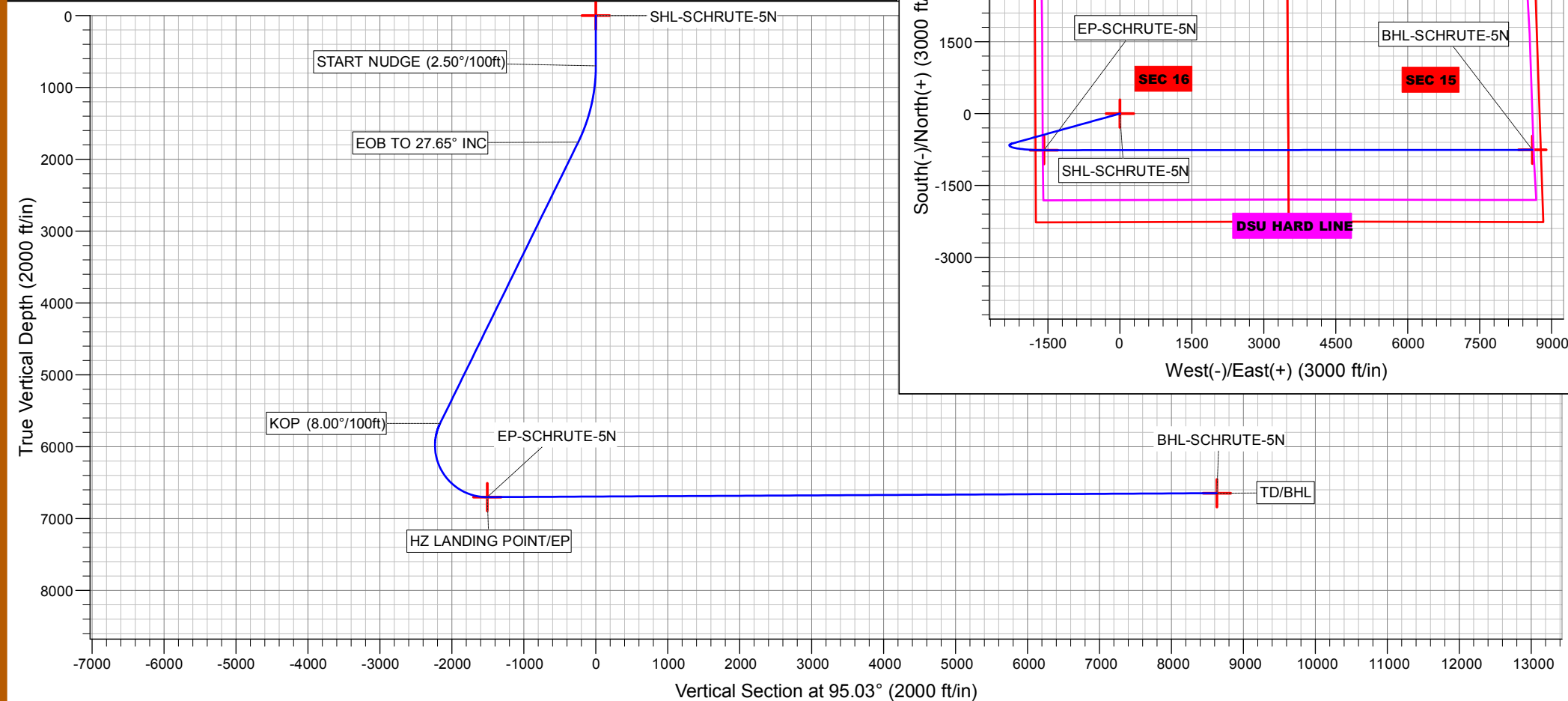
1507	FSL	175	FEL
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#### EP FOOTAGE: SEC 16

1507	FSL	175	FWL
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#### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
SHL-SCHRUTE-5N	0.0	0.0	0.0	40.3982903	-104.5581030
BHL-SCHRUTE-5N	6648.0	-756.5	8598.9	40.3962096	-104.5272314
EP-SCHRUTE-5N	6703.0	-763.2	-1582.6	40.3961953	-104.5637847



# **PDC ENERGY**

**WELD COUNTY, COLORADO (TRUE)  
NE SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)  
SCHRUTE 5N**

**Wellbore #1  
PROPOSAL #1**

## **Anticollision Report**

**02 May, 2019**



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SCHRUTE 5N - Slot SCHRUTE 5N
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	WELL @ 4633.0ft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)	<b>MD Reference:</b>	WELL @ 4633.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SCHRUTE 5N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum ellipse separation of 1,000.0 ft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	5/2/2019		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	17,866.0	PROPOSAL #1 (Wellbore #1)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
NW NW SEC. 16 T5N R64W 6th P.M. (WATERMELON)						
ABDN VERT SOLIS #43-17 - Wellbore #1 - Wellbore #1	6,166.1	5,500.0	298.7	265.4	8.964	CC, ES
ABDN VERT SOLIS #43-17 - Wellbore #1 - Wellbore #1	6,200.0	5,500.0	300.6	266.9	8.920	SF
ABDN VERT SOLIS #44-17 - Wellbore #1 - Wellbore #1	6,850.0	6,261.8	715.4	662.9	13.628	SF
ABDN VERT SOLIS #44-17 - Wellbore #1 - Wellbore #1	7,050.0	6,432.2	698.0	648.1	13.976	ES
ABDN VERT SOLIS #44-17 - Wellbore #1 - Wellbore #1	7,089.8	6,466.6	697.4	648.2	14.174	CC
EXIST HZ CECILS KERSEY FARM #17B-212 - Wellbore	7,100.0	11,218.0	216.3	177.8	5.613	ES, SF
EXIST HZ CECILS KERSEY FARM #17B-212 - Wellbore	7,102.2	11,218.0	216.3	177.8	5.616	CC
EXIST HZ CECILS KERSEY FARM #17B-302 - Wellbore	7,100.0	11,362.0	329.7	229.1	3.277	SF
EXIST HZ CECILS KERSEY FARM #17B-302 - Wellbore	7,150.0	11,362.0	323.8	225.5	3.292	ES
EXIST HZ CECILS KERSEY FARM #17B-302 - Wellbore	7,152.6	11,362.0	323.8	225.6	3.298	CC
EXIST HZ CECILS KERSEY FARM #17K-232 - Wellbore	7,046.5	11,295.0	791.1	619.4	4.607	CC
EXIST HZ CECILS KERSEY FARM #17K-232 - Wellbore	7,050.0	11,295.0	791.1	619.3	4.604	ES
EXIST HZ CECILS KERSEY FARM #17K-232 - Wellbore	7,100.0	11,295.0	793.3	620.3	4.584	SF
EXIST HZ CECILS KERSEY FARM #17K-332 - Wellbore	7,097.1	11,372.0	590.4	427.8	3.632	CC
EXIST HZ CECILS KERSEY FARM #17K-332 - Wellbore	7,100.0	11,372.0	590.4	427.7	3.630	ES
EXIST HZ CECILS KERSEY FARM #17K-332 - Wellbore	7,150.0	11,372.0	593.4	429.4	3.618	SF
EXIST HZ CECILS KERSEY FARM #17K-402 - Wellbore	7,117.4	11,210.0	1,080.9	915.1	6.518	CC
EXIST HZ CECILS KERSEY FARM #17K-402 - Wellbore	7,150.0	11,210.0	1,081.6	915.0	6.493	ES
EXIST HZ CECILS KERSEY FARM #17K-402 - Wellbore	7,200.0	11,210.0	1,085.1	917.8	6.484	SF
EXIST HZ GILLAM #18X-102 - Wellbore #1 - Wellbore #	7,100.0	12,169.0	468.3	293.0	2.671	SF
EXIST HZ GILLAM #18X-102 - Wellbore #1 - Wellbore #	7,144.9	12,169.0	465.3	292.0	2.685	CC, ES
EXIST HZ GILLAM #18X-232 - Wellbore #1 - Wellbore #	7,100.0	12,156.0	881.4	684.4	4.474	SF
EXIST HZ GILLAM #18X-232 - Wellbore #1 - Wellbore #	7,150.0	12,156.0	878.2	682.1	4.479	ES
EXIST HZ GILLAM #18X-232 - Wellbore #1 - Wellbore #	7,165.0	12,156.0	878.0	682.4	4.488	CC
EXIST HZ GILLAM #18X-332 - Wellbore #1 - Wellbore #	7,150.0	12,231.0	682.3	496.9	3.681	SF
EXIST HZ GILLAM #18X-332 - Wellbore #1 - Wellbore #	7,186.9	12,231.0	680.8	496.7	3.697	CC, ES
EXIST HZ GILLAM #18Y-202 - Wellbore #1 - Wellbore #	7,150.0	12,242.0	1,402.1	1,201.3	6.980	SF
EXIST HZ GILLAM #18Y-202 - Wellbore #1 - Wellbore #	7,200.0	12,242.0	1,400.4	1,200.1	6.993	ES
EXIST HZ GILLAM #18Y-202 - Wellbore #1 - Wellbore #	7,207.0	12,242.0	1,400.4	1,200.2	6.996	CC
EXIST HZ GILLAM #18Y-312 - Wellbore #1 - Wellbore #	7,150.0	12,233.0	1,189.0	991.4	6.019	SF
EXIST HZ GILLAM #18Y-312 - Wellbore #1 - Wellbore #	7,200.0	12,233.0	1,186.3	989.4	6.024	ES
EXIST HZ GILLAM #18Y-312 - Wellbore #1 - Wellbore #	7,216.4	12,233.0	1,186.1	989.5	6.033	CC

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<b>Reference Site:</b>	NE SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)	<b>MD Reference:</b>	WELL @ 4633.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SCHRUTE 5N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
NW SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)						
ABDN HZ CHESNUT 21T-241ST - Wellbore #1 - Wellbo	10,993.8	11,382.0	1,997.8	1,852.7	13.763	CC
ABDN HZ CHESNUT 21T-241ST - Wellbore #1 - Wellbo	11,100.0	11,382.0	2,000.7	1,849.7	13.249	ES
ABDN HZ CHESNUT 21T-241ST - Wellbore #1 - Wellbo	11,700.0	11,382.0	2,119.0	1,942.1	11.981	SF
ABDN HZ KLEIN 19N-202ST - Wellbore #1 - Wellbore #1	8,746.1	15,559.9	2,671.4	2,356.6	8.487	CC
ABDN HZ KLEIN 19N-202ST - Wellbore #1 - Wellbore #1	10,600.0	17,302.0	2,704.5	2,300.5	6.695	ES
ABDN HZ KLEIN 19N-202ST - Wellbore #1 - Wellbore #1	10,700.0	17,302.0	2,710.5	2,304.8	6.681	SF
ABDN VERT KOHLER 1-21 - Wellbore #1 - Wellbore #1	12,269.9	6,591.2	2,094.8	1,946.0	14.077	CC
ABDN VERT KOHLER 1-21 - Wellbore #1 - Wellbore #1	12,300.0	6,592.0	2,095.1	1,945.5	14.005	ES
ABDN VERT KOHLER 1-21 - Wellbore #1 - Wellbore #1	12,700.0	6,603.7	2,138.5	1,981.4	13.607	SF
ABDN VERT LOUSTALET #15-1 - Wellbore #1 - Wellbor	13,677.8	6,614.2	487.9	302.1	2.626	CC, ES
ABDN VERT LOUSTALET #15-1 - Wellbore #1 - Wellbor	13,700.0	6,614.1	488.4	302.3	2.624	SF
ABDN VERT LOUSTALET #B15-14 - Wellbore #1 - Desi	14,966.4	6,614.7	844.0	492.8	2.404	CC
ABDN VERT LOUSTALET #B15-14 - Wellbore #1 - Desi	15,000.0	6,614.5	844.7	492.7	2.400	ES, SF
ABDN VERT LOUSTALET #B15-15 - Wellbore #1 - Desi	16,051.6	6,607.8	871.4	490.5	2.288	CC, ES
ABDN VERT LOUSTALET #B15-15 - Wellbore #1 - Desi	16,100.0	6,607.5	872.7	490.8	2.285	SF
ABDN VERT LOUSTALET #B15-16 - Wellbore #1 - Wellb	17,247.9	6,552.0	976.9	693.3	3.444	CC, ES
ABDN VERT LOUSTALET #B15-16 - Wellbore #1 - Wellb	17,300.0	6,553.9	978.3	693.5	3.434	SF
ABDN VERT LOUSTALET #B15-9 - Wellbore #1 - Desig	17,287.1	6,599.1	353.7	-61.1	0.853	Level 1, CC, ES, SF
ABDN VERT PATRIOT #B16-14 - Wellbore #1 - Wellbore	9,452.5	6,639.9	1,032.4	953.8	13.141	CC, ES
ABDN VERT PATRIOT #B16-14 - Wellbore #1 - Wellbore	9,600.0	6,633.1	1,042.9	962.4	12.966	SF
ABDN VERT PATRIOT #B16-3 - Wellbore #1 - Wellbore	100.0	55.7	2,545.7	2,545.6	10,000.000	CC
ABDN VERT PATRIOT #B16-3 - Wellbore #1 - Wellbore	400.0	352.9	2,546.3	2,545.3	2,335.932	ES
ABDN VERT PATRIOT #B16-3 - Wellbore #1 - Wellbore	10,900.0	6,800.0	3,540.5	3,436.3	33.967	SF
ABDN VERT PATRIOT #B16-5 - Wellbore #1 - Wellbore	2,974.0	2,796.5	1,414.3	1,395.3	74.595	CC
ABDN VERT PATRIOT #B16-5 - Wellbore #1 - Wellbore	3,000.0	2,817.2	1,414.4	1,395.2	73.577	ES
ABDN VERT PATRIOT #B16-5 - Wellbore #1 - Wellbore	8,800.0	6,793.2	1,945.1	1,880.1	29.896	SF
ABDN VERT PATRIOT #B16-9 - Wellbore #1 - Wellbore	12,102.8	6,643.2	563.8	420.0	3.922	CC, ES, SF
ABDN VERT PLATTE VALLEY 2-21 - Wellbore #1 - Well	10,860.0	6,587.4	2,247.5	2,135.9	20.148	CC
ABDN VERT PLATTE VALLEY 2-21 - Wellbore #1 - Well	10,900.0	6,586.5	2,247.8	2,135.3	19.979	ES
ABDN VERT PLATTE VALLEY 2-21 - Wellbore #1 - Well	11,400.0	6,575.9	2,311.4	2,189.6	18.974	SF
EXIST DD BAUER DEBUS 22AD - Wellbore #1 - Wellbo	14,142.6	6,637.0	2,852.4	2,639.2	13.375	CC
EXIST DD BAUER DEBUS 22AD - Wellbore #1 - Wellbo	14,200.0	6,637.0	2,853.0	2,638.3	13.288	ES
EXIST DD BAUER DEBUS 22AD - Wellbore #1 - Wellbo	14,600.0	6,637.0	2,888.9	2,666.4	12.986	SF
EXIST DD BAUER DEBUS 22JD - Wellbore #1 - Wellbor	14,125.8	6,656.1	1,617.3	1,404.4	7.597	CC
EXIST DD BAUER DEBUS 22JD - Wellbore #1 - Wellbor	14,200.0	6,655.4	1,619.0	1,404.1	7.531	ES
EXIST DD BAUER DEBUS 22JD - Wellbore #1 - Wellbor	14,300.0	6,654.4	1,626.7	1,409.6	7.492	SF
EXIST DD BAUER DEBUS 22MD - Wellbore #1 - Wellbo	15,391.3	6,709.5	1,569.9	1,320.3	6.288	CC
EXIST DD BAUER DEBUS 22MD - Wellbore #1 - Wellbo	15,400.0	6,709.4	1,570.0	1,320.1	6.283	ES
EXIST DD BAUER DEBUS 22MD - Wellbore #1 - Wellbo	15,500.0	6,708.6	1,573.7	1,321.8	6.249	SF
EXIST DD BAUER DEBUS 22ND - Wellbore #1 - Wellbo	15,400.5	6,717.9	2,796.1	2,545.9	11.179	CC
EXIST DD BAUER DEBUS 22ND - Wellbore #1 - Wellbo	15,500.0	6,718.4	2,797.8	2,544.8	11.057	ES
EXIST DD BAUER DEBUS 22ND - Wellbore #1 - Wellbo	15,900.0	6,720.5	2,840.3	2,578.6	10.854	SF
EXIST DD DOUGHMAN #22RD - Wellbore #1 - Wellbore	16,783.3	6,662.6	1,603.0	1,316.7	5.598	CC
EXIST DD DOUGHMAN #22RD - Wellbore #1 - Wellbore	16,800.0	6,662.5	1,603.1	1,316.2	5.588	ES
EXIST DD DOUGHMAN #22RD - Wellbore #1 - Wellbore	16,900.0	6,662.0	1,607.3	1,317.8	5.552	SF
EXIST DD DOUGHMAN #22VD - Wellbore #1 - Wellbore	17,866.0	6,705.5	2,820.4	2,504.0	8.913	CC, ES, SF
EXIST DD FRENZEL B 15-6 - Wellbore #1 - Wellbore #1	14,860.4	6,961.6	1,900.8	1,649.7	7.569	CC
EXIST DD FRENZEL B 15-6 - Wellbore #1 - Wellbore #1	14,900.0	6,962.1	1,901.2	1,648.8	7.534	ES
EXIST DD FRENZEL B 15-6 - Wellbore #1 - Wellbore #1	15,100.0	6,964.4	1,915.8	1,658.9	7.458	SF
EXIST DD GLOVER USX B 15-02CD - Wellbore #1 - We	15,956.0	6,215.9	2,898.9	2,643.2	11.336	CC
EXIST DD GLOVER USX B 15-02CD - Wellbore #1 - We	16,000.0	6,214.2	2,899.2	2,642.5	11.291	ES
EXIST DD GLOVER USX B 15-02CD - Wellbore #1 - We	16,400.0	6,203.0	2,932.7	2,668.3	11.094	SF

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

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<b>Reference Well:</b>	SCHRUTE 5N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
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NW SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)						
EXIST DD KLEIN B15-13D - Wellbore #1 - Wellbore #1	13,473.8	6,916.0	880.8	670.9	4.197	CC
EXIST DD KLEIN B15-13D - Wellbore #1 - Wellbore #1	13,500.0	6,916.0	881.2	670.8	4.189	ES, SF
EXIST DD P&H 22CD - Wellbore #1 - Wellbore #1	16,817.4	6,762.0	2,815.2	2,526.1	9.739	CC
EXIST DD P&H 22CD - Wellbore #1 - Wellbore #1	16,900.0	6,762.0	2,816.4	2,525.3	9.674	ES
EXIST DD P&H 22CD - Wellbore #1 - Wellbore #1	17,200.0	6,762.0	2,841.1	2,544.4	9.577	SF
EXIST HZ CHESNUT 21T-321 - Wellbore #1 - Wellbore	11,786.1	11,342.0	1,996.3	1,843.7	13.078	CC
EXIST HZ CHESNUT 21T-321 - Wellbore #1 - Wellbore	11,900.0	11,342.0	1,999.6	1,841.3	12.633	ES
EXIST HZ CHESNUT 21T-321 - Wellbore #1 - Wellbore	12,500.0	11,342.0	2,120.1	1,936.9	11.573	SF
EXIST HZ CHESNUT 21Q-321 - Wellbore #1 - Wellbore	10,724.2	11,710.0	2,000.2	1,855.1	13.785	CC
EXIST HZ CHESNUT 21Q-321 - Wellbore #1 - Wellbore	10,800.0	11,710.0	2,001.7	1,852.5	13.417	ES
EXIST HZ CHESNUT 21Q-321 - Wellbore #1 - Wellbore	11,500.0	11,710.0	2,145.4	1,967.5	12.059	SF
EXIST HZ CHESNUT 21T-201 - Wellbore #1 - Wellbore	11,560.5	11,172.0	1,999.5	1,849.9	13.358	CC
EXIST HZ CHESNUT 21T-201 - Wellbore #1 - Wellbore	11,700.0	11,172.0	2,004.4	1,847.4	12.763	ES
EXIST HZ CHESNUT 21T-201 - Wellbore #1 - Wellbore	12,300.0	11,172.0	2,131.9	1,949.8	11.704	SF
EXIST HZ CHESNUT 21T-221 - Wellbore #1 - Survey #1	12,031.5	11,155.0	1,999.2	1,843.0	12.798	CC
EXIST HZ CHESNUT 21T-221 - Wellbore #1 - Survey #1	12,100.0	11,155.0	2,000.4	1,841.1	12.563	ES
EXIST HZ CHESNUT 21T-221 - Wellbore #1 - Survey #1	12,800.0	11,155.0	2,141.8	1,955.0	11.466	SF
EXIST HZ CHESNUT 21T-301 - Wellbore #1 - Wellbore	11,259.2	11,103.0	2,251.3	2,104.1	15.301	CC
EXIST HZ CHESNUT 21T-301 - Wellbore #1 - Wellbore	11,400.0	11,103.0	2,255.6	2,101.7	14.648	ES
EXIST HZ CHESNUT 21T-301 - Wellbore #1 - Wellbore	12,100.0	11,103.0	2,403.1	2,222.6	13.309	SF
EXIST HZ CHESNUT 21Y-341 - Wellbore #1 - Wellbore	12,317.6	11,272.0	1,994.3	1,832.2	12.308	CC
EXIST HZ CHESNUT 21Y-341 - Wellbore #1 - Wellbore	12,400.0	11,272.0	1,996.0	1,831.2	12.116	ES
EXIST HZ CHESNUT 21Y-341 - Wellbore #1 - Wellbore	13,000.0	11,272.0	2,107.8	1,920.5	11.253	SF
EXIST HZ CHESNUT 21Y-401 - Wellbore #1 - Wellbore	12,564.5	11,376.0	1,998.2	1,829.6	11.854	CC
EXIST HZ CHESNUT 21Y-401 - Wellbore #1 - Wellbore	12,600.0	11,376.0	1,998.5	1,829.2	11.802	ES
EXIST HZ CHESNUT 21Y-401 - Wellbore #1 - Wellbore	13,200.0	11,376.0	2,096.8	1,908.3	11.126	SF
EXIST HZ CHESNUT 27G-221 - Wellbore #1 - Wellbore	13,268.6	13,336.0	1,995.9	1,802.5	10.319	CC
EXIST HZ CHESNUT 27G-221 - Wellbore #1 - Wellbore	13,400.0	13,336.0	2,000.2	1,797.4	9.862	ES
EXIST HZ CHESNUT 27G-221 - Wellbore #1 - Wellbore	14,100.0	13,336.0	2,162.1	1,917.5	8.839	SF
EXIST HZ CHESNUT 27G-301 - Wellbore #1 - Wellbore	12,912.9	13,480.0	2,051.7	1,862.3	10.836	CC
EXIST HZ CHESNUT 27G-301 - Wellbore #1 - Wellbore	13,100.0	13,480.0	2,060.2	1,856.9	10.137	ES
EXIST HZ CHESNUT 27G-301 - Wellbore #1 - Wellbore	13,700.0	13,480.0	2,197.5	1,958.7	9.202	SF
EXIST HZ CHESNUT 27K-201 - Wellbore #1 - Wellbore	14,226.0	13,284.0	1,998.5	1,783.1	9.278	CC, ES
EXIST HZ CHESNUT 27K-201 - Wellbore #1 - Wellbore	15,000.0	13,284.0	2,143.2	1,891.7	8.523	SF
EXIST HZ CHESNUT 27K-341 - Wellbore #1 - Wellbore	13,585.6	13,382.0	1,995.0	1,795.6	10.006	CC
EXIST HZ CHESNUT 27K-341 - Wellbore #1 - Wellbore	13,700.0	13,382.0	1,998.3	1,792.1	9.693	ES
EXIST HZ CHESNUT 27K-341 - Wellbore #1 - Wellbore	14,400.0	13,382.0	2,154.8	1,908.2	8.737	SF
EXIST HZ CHESNUT 27K-401 - Wellbore #1 - Wellbore	13,883.2	13,407.0	1,995.0	1,788.7	9.671	CC
EXIST HZ CHESNUT 27K-401 - Wellbore #1 - Wellbore	14,000.0	13,407.0	1,998.4	1,787.0	9.454	ES
EXIST HZ CHESNUT 27K-401 - Wellbore #1 - Wellbore	14,700.0	13,407.0	2,155.7	1,905.8	8.625	SF
EXIST HZ CHESNUT 27K-421 - Wellbore #1 - Wellbore	14,523.3	13,455.0	2,000.7	1,774.2	8.831	CC, ES
EXIST HZ CHESNUT 27K-421 - Wellbore #1 - Wellbore	15,300.0	13,455.0	2,146.2	1,890.7	8.400	SF
EXIST HZ CHESNUT 27O-201 - Wellbore #1 - Wellbore	15,000.0	13,300.0	2,070.3	1,813.4	8.057	SF
EXIST HZ CHESNUT 27O-201 - Wellbore #1 - Wellbore	15,200.0	13,300.0	2,057.5	1,803.3	8.095	ES
EXIST HZ CHESNUT 27O-201 - Wellbore #1 - Wellbore	15,232.6	13,300.0	2,057.2	1,803.6	8.110	CC
EXIST HZ CHESNUT 27O-341 - Wellbore #1 - Wellbore	14,898.3	13,340.0	2,055.5	1,815.4	8.559	CC, ES
EXIST HZ CHESNUT 27O-341 - Wellbore #1 - Wellbore	15,600.0	13,340.0	2,172.0	1,915.5	8.468	SF
EXIST HZ HOLMAN B15-65HNM - Wellbore #1 - Wellbo	16,304.0	10,407.0	1,153.0	786.2	3.144	ES
EXIST HZ HOLMAN B15-65HNM - Wellbore #1 - Wellbo	16,400.0	10,325.7	1,153.6	786.4	3.142	SF
EXIST HZ HOLMAN B15-65HNM - Wellbore #1 - Wellbo	17,866.0	8,811.2	1,152.8	787.2	3.153	CC
EXIST HZ HOLMAN B15-66HN - Wellbore #1 - Wellbore	14,006.4	12,684.0	1,619.1	1,251.0	4.398	CC, ES
EXIST HZ HOLMAN B15-66HN - Wellbore #1 - Wellbore	14,100.0	12,684.0	1,621.8	1,251.5	4.380	SF

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

<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SCHRUTE 5N - Slot SCHRUTE 5N
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	WELL @ 4633.0ft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)	<b>MD Reference:</b>	WELL @ 4633.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SCHRUTE 5N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
NW SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)						
EXIST HZ KLEIN #19M-402 - Wellbore #1 - Wellbore #1	10,480.5	17,440.0	1,582.7	1,182.2	3.951	CC
EXIST HZ KLEIN #19M-402 - Wellbore #1 - Wellbore #1	10,500.0	17,440.0	1,582.9	1,182.0	3.948	ES, SF
EXIST HZ KLEIN #B16-98HZ - Wellbore #1 - Wellbore #	10,700.0	8,131.3	26.5	-84.8	0.238	Level 1, ES
EXIST HZ KLEIN #B16-98HZ - Wellbore #1 - Wellbore #	10,734.1	8,109.3	4.0	-44.8	0.083	Level 1, CC, SF
EXIST HZ KLEIN #B16-99HZ - Wellbore #1 - Wellbore #	11,700.0	7,176.4	126.3	38.9	1.445	Level 3, ES, SF
EXIST HZ KLEIN #B16-99HZ - Wellbore #1 - Wellbore #	11,806.5	7,108.0	97.7	43.1	1.790	CC
EXIST HZ KLEIN 19M-232 - Wellbore #1 - Wellbore #1	6,785.3	16,918.0	6,018.6	5,907.6	54.241	CC, ES
EXIST HZ KLEIN 19M-232 - Wellbore #1 - Wellbore #1	6,900.0	16,918.0	6,028.1	5,916.7	54.088	SF
EXIST HZ KLEIN 19N-312 - Wellbore #1 - Wellbore #1	10,485.1	17,429.0	2,328.3	1,927.0	5.802	CC
EXIST HZ KLEIN 19N-312 - Wellbore #1 - Wellbore #1	10,500.0	17,429.0	2,328.4	1,926.7	5.797	ES
EXIST HZ KLEIN 19N-312 - Wellbore #1 - Wellbore #1	10,600.0	17,429.0	2,331.1	1,927.6	5.776	SF
EXIST HZ LEDFORD #22T-221 - Wellbore #1 - Wellbore	17,157.5	11,032.0	2,004.9	1,707.0	6.729	CC
EXIST HZ LEDFORD #22T-221 - Wellbore #1 - Wellbore	17,300.0	11,032.0	2,010.0	1,704.7	6.583	ES
EXIST HZ LEDFORD #22T-221 - Wellbore #1 - Wellbore	17,600.0	11,032.0	2,053.2	1,735.7	6.467	SF
EXIST HZ LEDFORD #22T-321 - Wellbore #1 - Wellbore	16,915.8	11,138.0	2,004.3	1,710.0	6.812	CC
EXIST HZ LEDFORD #22T-321 - Wellbore #1 - Wellbore	17,000.0	11,138.0	2,006.0	1,707.1	6.710	ES
EXIST HZ LEDFORD #22T-321 - Wellbore #1 - Wellbore	17,400.0	11,138.0	2,061.9	1,746.0	6.527	SF
EXIST HZ LEDFORD #22Y-341 - Wellbore #1 - Wellbore	17,629.3	11,072.0	2,007.7	1,700.1	6.526	CC
EXIST HZ LEDFORD #22Y-341 - Wellbore #1 - Wellbore	17,700.0	11,072.0	2,009.0	1,698.6	6.473	ES
EXIST HZ LEDFORD #22Y-341 - Wellbore #1 - Wellbore	17,866.0	11,072.0	2,021.6	1,704.8	6.381	SF
EXIST HZ LEDFORD #22Y-401 - Wellbore #1 - Wellbore	17,866.0	11,110.0	2,011.0	1,697.1	6.406	CC, ES, SF
EXIST HZ PETERSON 14W-234 - Wellbore #1 - Wellbor	17,866.0	10,840.0	861.6	585.2	3.117	CC, ES, SF
EXIST HZ PETERSON 14W-434 - Wellbore #1 - Wellbor	17,866.0	10,990.0	1,097.3	747.0	3.132	CC, ES, SF
EXIST HZ PETERSON 14X-234 - Wellbore #1 - Wellbore	17,866.0	10,848.0	1,104.4	776.9	3.372	CC, ES, SF
EXIST HZ PETERSON 14X-304 - Wellbore #1 - Wellbore	17,866.0	10,906.0	693.7	613.2	8.619	CC, ES, SF
EXIST HZ PETERSON 14X-414 - Wellbore #1 - Wellbore	17,866.0	10,970.0	723.4	567.3	4.632	CC, ES, SF
EXIST HZ PETERSON 14X-434 - Wellbore #1 - Wellbore	17,866.0	10,917.0	790.6	588.3	3.908	CC, ES, SF
EXIST HZ PETERSON 14Y-304 - Wellbore #1 - Wellbore	17,866.0	10,979.0	1,617.6	1,235.0	4.228	CC, ES, SF
EXIST HZ PETERSON 14Y-414 - Wellbore #1 - Wellbore	17,866.0	10,969.0	1,322.3	962.5	3.674	CC, ES, SF
EXIST HZ SAPPINGTON #22Q-221 - Wellbore #1 - Well	16,030.9	11,096.0	2,004.4	1,740.0	7.582	CC
EXIST HZ SAPPINGTON #22Q-221 - Wellbore #1 - Well	16,100.0	11,096.0	2,005.6	1,738.4	7.506	ES
EXIST HZ SAPPINGTON #22Q-221 - Wellbore #1 - Well	16,500.0	11,096.0	2,058.5	1,777.2	7.317	SF
EXIST HZ SAPPINGTON #22Q-301 - Wellbore #1 - Well	15,635.6	11,190.0	2,003.5	1,746.7	7.803	CC
EXIST HZ SAPPINGTON #22Q-301 - Wellbore #1 - Well	15,700.0	11,190.0	2,004.5	1,744.5	7.710	ES
EXIST HZ SAPPINGTON #22Q-301 - Wellbore #1 - Well	16,100.0	11,190.0	2,056.6	1,780.5	7.450	SF
EXIST HZ SAPPINGTON #22T-341 - Wellbore #1 - Well	16,340.8	11,116.0	2,005.1	1,733.3	7.379	CC
EXIST HZ SAPPINGTON #22T-341 - Wellbore #1 - Well	16,400.0	11,116.0	2,005.9	1,732.4	7.333	ES
EXIST HZ SAPPINGTON #22T-341 - Wellbore #1 - Well	16,700.0	11,116.0	2,037.0	1,754.0	7.198	SF
EXIST HZ SAPPINGTON 22T-201 - Wellbore #1 - Wellb	16,692.0	11,066.0	2,004.3	1,722.1	7.102	CC
EXIST HZ SAPPINGTON 22T-201 - Wellbore #1 - Wellb	16,700.0	11,066.0	2,004.3	1,722.0	7.098	ES
EXIST HZ SAPPINGTON 22T-201 - Wellbore #1 - Wellb	17,000.0	11,066.0	2,027.8	1,739.4	7.031	SF
EXIST HZ SEYLER STATE B15-79HNM - Wellbore #1 -	12,641.3	7,107.1	41.4	-17.3	0.705	Level 1, CC, ES, SF
EXIST VERT FRENZEL #B15-5 - Wellbore #1 - Wellbore	13,224.4	6,620.9	1,364.8	1,191.2	7.862	CC, ES
EXIST VERT FRENZEL #B15-5 - Wellbore #1 - Wellbore	13,400.0	6,621.0	1,376.1	1,199.3	7.783	SF
EXIST VERT JOSHUA 1 - Wellbore #1 - Wellbore #1	14,719.8	6,625.9	2,035.1	1,821.0	9.506	CC
EXIST VERT JOSHUA 1 - Wellbore #1 - Wellbore #1	14,800.0	6,626.4	2,036.7	1,820.5	9.421	ES
EXIST VERT JOSHUA 1 - Wellbore #1 - Wellbore #1	15,000.0	6,627.6	2,054.3	1,834.4	9.340	SF
EXIST VERT KALEB 1 - Wellbore #1 - Wellbore #1	13,524.3	6,530.8	2,004.1	1,822.7	11.046	CC
EXIST VERT KALEB 1 - Wellbore #1 - Wellbore #1	13,600.0	6,533.1	2,005.6	1,822.2	10.935	ES
EXIST VERT KALEB 1 - Wellbore #1 - Wellbore #1	13,800.0	6,539.1	2,023.0	1,835.6	10.796	SF
EXIST VERT LOUSTALET #42-15 - Wellbore #1 - Wellbo	17,076.5	6,700.0	1,565.6	1,286.8	5.615	CC
EXIST VERT LOUSTALET #42-15 - Wellbore #1 - Wellbo	17,100.0	6,700.0	1,565.8	1,286.4	5.604	ES

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



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SCHRUTE 5N - Slot SCHRUTE 5N
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	WELL @ 4633.0ft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)	<b>MD Reference:</b>	WELL @ 4633.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SCHRUTE 5N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
NW SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)						
EXIST VERT LOUSTALET #42-15 - Wellbore #1 - Wellbo	17,200.0	6,700.0	1,570.5	1,289.3	5.585	SF
EXIST VERT LOUSTALET #B15-10 - Wellbore #1 - Desi	16,083.9	6,597.6	554.5	172.9	1.453	Level 3, CC
EXIST VERT LOUSTALET #B15-10 - Wellbore #1 - Desi	16,100.0	6,597.5	554.7	172.8	1.453	Level 3, ES, SF
EXIST VERT LOUSTALET #B15-11 - Wellbore #1 - Desi	14,841.6	6,617.3	485.8	138.0	1.397	Level 3, CC, ES, SF
EXIST VERT LOUSTALET #B15-15X - Wellbore #1 - De	16,269.1	6,605.6	1,016.5	629.7	2.628	CC
EXIST VERT LOUSTALET #B15-15X - Wellbore #1 - De	16,300.0	6,605.5	1,016.9	629.3	2.624	ES, SF
EXIST VERT LOUSTALET #B15-23 - Wellbore #1 - Well	16,734.9	6,589.1	187.3	-82.0	0.696	Level 1, CC, ES, SF
EXIST VERT LUCAS 1 - Wellbore #1 - Wellbore #1	17,454.2	6,660.1	2,243.4	1,953.8	7.748	CC
EXIST VERT LUCAS 1 - Wellbore #1 - Wellbore #1	17,500.0	6,659.8	2,243.8	1,953.0	7.716	ES
EXIST VERT LUCAS 1 - Wellbore #1 - Wellbore #1	17,700.0	6,658.4	2,256.8	1,961.9	7.654	SF
EXIST VERT PATRIOT #B16-10 - Wellbore #1 - Wellbore	10,974.4	6,661.5	413.1	298.1	3.591	CC, ES
EXIST VERT PATRIOT #B16-10 - Wellbore #1 - Wellbore	11,000.0	6,661.4	413.9	298.4	3.582	SF
EXIST VERT PATRIOT #B16-11 - Wellbore #1 - Wellbore	9,599.4	6,668.3	431.2	349.4	5.269	CC
EXIST VERT PATRIOT #B16-11 - Wellbore #1 - Wellbore	9,600.0	6,668.3	431.2	349.4	5.268	ES, SF
EXIST VERT PATRIOT #B16-12 - Wellbore #1 - Design #	3,934.7	3,629.2	25.8	-72.5	0.263	Level 1, CC, ES, SF
EXIST VERT PATRIOT #B16-15 - Wellbore #1 - Wellbore	10,836.3	6,636.1	1,109.6	998.4	9.979	CC, ES
EXIST VERT PATRIOT #B16-15 - Wellbore #1 - Wellbore	11,000.0	6,639.0	1,121.7	1,007.7	9.840	SF
EXIST VERT PATRIOT #B16-16 - Wellbore #1 - Wellbore	12,153.6	6,573.5	1,118.8	974.1	7.731	CC
EXIST VERT PATRIOT #B16-16 - Wellbore #1 - Wellbore	12,200.0	6,574.4	1,119.8	974.0	7.679	ES
EXIST VERT PATRIOT #B16-16 - Wellbore #1 - Wellbore	12,300.0	6,576.5	1,128.4	980.9	7.655	SF
EXIST VERT PATRIOT #B16-17 - Wellbore #1 - Wellbore	11,516.8	6,647.7	2,501.3	2,372.9	19.479	CC
EXIST VERT PATRIOT #B16-17 - Wellbore #1 - Wellbore	11,600.0	6,647.8	2,502.7	2,372.2	19.176	ES
EXIST VERT PATRIOT #B16-17 - Wellbore #1 - Wellbore	12,100.0	6,648.6	2,568.4	2,428.4	18.338	SF
EXIST VERT PATRIOT #B16-18 - Wellbore #1 - Wellbore	753.8	754.2	1,951.8	1,949.8	947.700	CC, ES
EXIST VERT PATRIOT #B16-18 - Wellbore #1 - Wellbore	10,900.0	6,702.6	2,529.3	2,419.7	23.082	SF
EXIST VERT PATRIOT #B16-19 - Wellbore #1 - Wellbore	100.0	70.3	1,520.3	1,520.3	10,000.000	CC
EXIST VERT PATRIOT #B16-19 - Wellbore #1 - Wellbore	300.0	269.6	1,520.4	1,519.7	2,116.586	ES
EXIST VERT PATRIOT #B16-19 - Wellbore #1 - Wellbore	9,700.0	6,700.0	2,286.5	2,205.4	28.161	SF
EXIST VERT PATRIOT #B16-20 - Wellbore #1 - Wellbore	2,062.0	1,985.6	564.2	554.4	57.461	CC
EXIST VERT PATRIOT #B16-20 - Wellbore #1 - Wellbore	2,100.0	2,019.8	564.4	554.3	55.476	ES
EXIST VERT PATRIOT #B16-20 - Wellbore #1 - Wellbore	9,000.0	6,683.4	1,148.9	1,079.4	16.525	SF
EXIST VERT PATRIOT #B16-21 - Wellbore #1 - Wellbore	760.8	761.0	908.6	906.5	437.732	CC, ES
EXIST VERT PATRIOT #B16-21 - Wellbore #1 - Wellbore	10,300.0	6,671.0	1,055.4	958.3	10.873	SF
EXIST VERT PATRIOT #B16-22 - Wellbore #1 - Wellbore	11,484.9	6,659.8	1,135.9	1,008.3	8.905	CC
EXIST VERT PATRIOT #B16-22 - Wellbore #1 - Wellbore	11,500.0	6,659.9	1,136.0	1,008.0	8.879	ES
EXIST VERT PATRIOT #B16-22 - Wellbore #1 - Wellbore	11,600.0	6,660.6	1,141.7	1,011.7	8.784	SF
EXIST VERT PATRIOT #B16-23 - Wellbore #1 - Wellbore	11,467.5	6,658.3	199.7	73.2	1.578	CC, ES, SF
EXIST VERT PATRIOT #B16-24 - Wellbore #1 - Wellbore	10,081.3	6,662.8	389.3	296.5	4.197	CC, ES
EXIST VERT PATRIOT #B16-24 - Wellbore #1 - Wellbore	10,100.0	6,662.1	389.7	296.8	4.192	SF
EXIST VERT PATRIOT #B16-25 - Wellbore #1 - Design #	8,964.7	6,687.1	34.5	-164.3	0.174	Level 1, CC, ES, SF
EXIST VERT PATRIOT #B16-6 - Wellbore #1 - Wellbore	702.5	678.2	981.2	979.3	514.311	CC, ES
EXIST VERT PATRIOT #B16-6 - Wellbore #1 - Wellbore	10,000.0	6,670.1	1,677.2	1,587.3	18.661	SF
EXIST VERT PATRIOT #B16-7 - Wellbore #1 - Wellbore	10,807.6	6,667.6	1,906.7	1,796.5	17.297	CC
EXIST VERT PATRIOT #B16-7 - Wellbore #1 - Wellbore	10,900.0	6,668.2	1,909.0	1,796.5	16.970	ES
EXIST VERT PATRIOT #B16-7 - Wellbore #1 - Wellbore	11,200.0	6,670.1	1,946.7	1,828.7	16.495	SF
EXIST VERT PATRIOT #B16-8 - Wellbore #1 - Wellbore	12,144.1	6,646.1	1,917.7	1,772.8	13.231	CC
EXIST VERT PATRIOT #B16-8 - Wellbore #1 - Wellbore	12,200.0	6,646.2	1,918.5	1,772.2	13.108	ES
EXIST VERT PATRIOT #B16-8 - Wellbore #1 - Wellbore	12,500.0	6,646.6	1,950.5	1,798.6	12.845	SF
EXIST VERT TREBOR B14-5 - Wellbore #1 - Wellbore #	17,866.0	6,619.8	2,262.1	1,977.1	7.937	CC, ES, SF
EXIST VERT TROY 1 - Wellbore #1 - Wellbore #1	16,189.7	6,629.6	2,268.8	2,014.3	8.913	CC
EXIST VERT TROY 1 - Wellbore #1 - Wellbore #1	16,200.0	6,629.4	2,268.9	2,014.0	8.903	ES
EXIST VERT TROY 1 - Wellbore #1 - Wellbore #1	16,500.0	6,624.5	2,289.9	2,028.9	8.773	SF

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

**PDC Energy**  
Anticollision Report



<b>Company:</b>	PDC ENERGY	<b>Local Co-ordinate Reference:</b>	Well SCHRUTE 5N - Slot SCHRUTE 5N
<b>Project:</b>	WELD COUNTY, COLORADO (TRUE)	<b>TVD Reference:</b>	WELL @ 4633.0ft (Original Well Elev)
<b>Reference Site:</b>	NE SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)	<b>MD Reference:</b>	WELL @ 4633.0ft (Original Well Elev)
<b>Site Error:</b>	0.0 ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	SCHRUTE 5N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM
<b>Reference Design:</b>	PROPOSAL #1	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
NW SW SEC 16 T5N R64W 6th P.M. (SCHRUTE)						
SCHRUTE 10N - Wellbore #1 - PROPOSAL #1	700.0	700.0	75.0	72.1	26.120	CC, ES
SCHRUTE 10N - Wellbore #1 - PROPOSAL #1	17,700.0	17,969.5	1,360.9	775.4	2.324	SF
SCHRUTE 1N - Wellbore #1 - PROPOSAL #1	203.3	203.3	60.0	59.3	94.034	CC
SCHRUTE 1N - Wellbore #1 - PROPOSAL #1	300.0	299.0	60.4	59.3	56.643	ES
SCHRUTE 1N - Wellbore #1 - PROPOSAL #1	17,866.0	17,735.9	1,026.4	430.3	1.722	SF
SCHRUTE 2N - Wellbore #1 - PROPOSAL #1	400.0	400.0	45.0	43.5	29.584	CC, ES
SCHRUTE 2N - Wellbore #1 - PROPOSAL #1	17,866.0	17,660.0	773.9	179.5	1.302	Level 3, SF
SCHRUTE 3N - Wellbore #1 - PROPOSAL #1	500.0	500.0	30.0	28.0	15.201	CC
SCHRUTE 3N - Wellbore #1 - PROPOSAL #1	17,866.0	17,776.1	513.2	-84.1	0.859	Level 1, ES, SF
SCHRUTE 4N - Wellbore #1 - PROPOSAL #1	600.0	600.0	15.0	12.6	6.197	CC
SCHRUTE 4N - Wellbore #1 - PROPOSAL #1	17,866.0	17,733.1	266.8	-308.8	0.464	Level 1, ES, SF
SCHRUTE 6N - Wellbore #1 - PROPOSAL #1	700.0	700.0	14.9	12.0	5.188	CC
SCHRUTE 6N - Wellbore #1 - PROPOSAL #1	17,866.0	17,840.2	267.7	-309.8	0.464	Level 1, ES, SF
SCHRUTE 7N - Wellbore #1 - PROPOSAL #1	700.0	700.0	30.0	27.2	10.464	CC
SCHRUTE 7N - Wellbore #1 - PROPOSAL #1	17,866.0	17,978.6	513.9	-84.6	0.859	Level 1, ES, SF
SCHRUTE 8N - Wellbore #1 - PROPOSAL #1	700.0	700.0	45.0	42.1	15.663	CC, ES
SCHRUTE 8N - Wellbore #1 - PROPOSAL #1	17,866.0	18,009.6	771.8	174.3	1.292	Level 3, SF
SCHRUTE 9N - Wellbore #1 - PROPOSAL #1	700.0	700.0	59.9	57.1	20.886	CC, ES
SCHRUTE 9N - Wellbore #1 - PROPOSAL #1	17,866.0	18,148.3	1,026.8	428.3	1.716	SF