



US ROCKIES REGION PLANNING

KERR MCGEE OIL & GAS ONSHORE LP

ADAMS_TALON VIEW 7 PAD

P_TALON VIEW 12-9

P_TALON VIEW 12-9

Plan: PLAN #1 09-01-09 RHS

Standard Planning Report

01 September, 2009





P. TALON VIEW 12-9
KERR MCGEE OIL & GAS ONSHORE LP
SECTION 9 T1S R67W
1544 FNL 1321 FWL
LAT: 39° 58' 55.812 N
LONG: 104° 53' 54.924 W



Azimuths to True North
Magnetic North: 9.10°
Magnetic Field
Strength: 53100.7nT
Dip Angle: 66.76°
Date: 9/1/2009
Model: IGRF200510

WELL DETAILS: P_TALON VIEW 12-9

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1236923.33	3168529.93	5156.00	39° 58' 55.812 N	104° 53' 54.924 W	

SECTION DETAILS

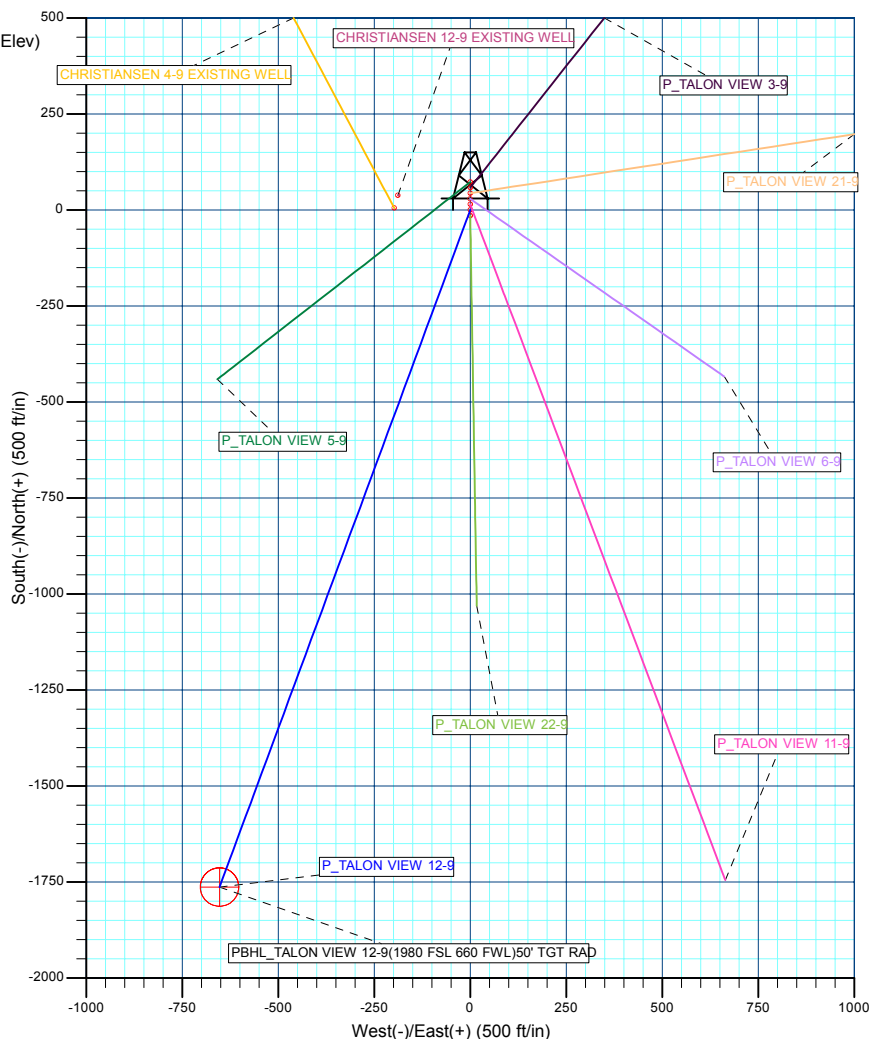
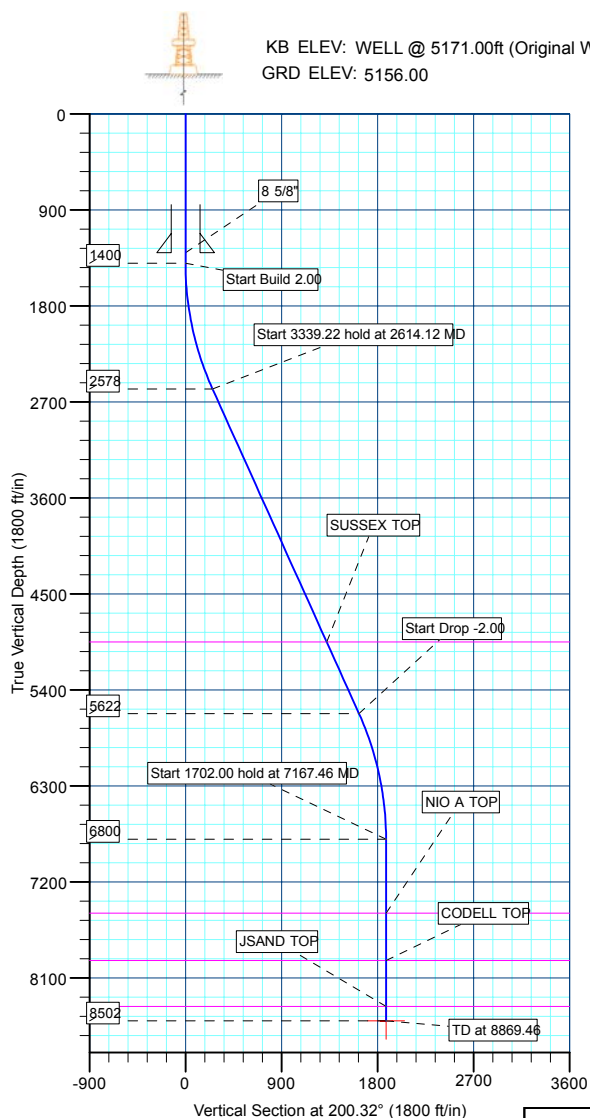
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	
2614.12	24.28	200.32	2578.10	-237.67	-88.03	2.00	200.32	253.45	
5953.34	24.28	200.32	5621.90	-1525.40	-564.95	0.00	0.00	1626.65	
7167.46	0.00	0.00	6800.00	-1763.07	-652.98	2.00	180.00	1880.10	
8869.46	0.00	0.00	8502.00	-1763.07	-652.98	0.00	0.00	1880.10	PBHL_TALON VIEW 12-9(1980 FSL 660 FWL)50' TGT RAD

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4950.00	5216.23	SUSSEX TOP
7492.00	7859.46	NIO A TOP
7937.00	8304.46	CODELL TOP
8367.00	8734.46	JSAND TOP

CASING DETAILS

TVD	MD	Name	Size
1300.00	1300.00	8 5/8"	8.62



WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8502.00	-1763.07	-652.98	1235155.88	3167888.93	39° 58' 38.388 N	104° 54' 3.312 W	Circle (Radius: 50.00)

Plan: PLAN #1 09-01-09 RHS (P_TALON VIEW 12-9/P_TALON VIEW 12-9)

Created By: Robert H. Scott



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Project:	KERR MCGEE OIL & GAS ONSHORE LP	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site:	ADAMS_TALON VIEW 7 PAD	North Reference:	True
Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 12-9		
Design:	PLAN #1 09-01-09 RHS		

Project	KERR MCGEE OIL & GAS ONSHORE LP, KERR MCGEE OIL & GAS ONSHORE LP		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		ADAMS_TALON VIEW 7 PAD, SETION 9 T1S R67W			
Site Position:		Northing:	1,236,937.91 ft	Latitude:	39° 58' 55.956 N
From:	Lat/Long	Easting:	3,168,529.83ft	Longitude:	104° 53' 54.924 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.39 °

Well	P_TALON VIEW 12-9					
Well Position	+N/-S	-14.58 ft	Northing:	1,236,923.33 ft	Latitude:	39° 58' 55.812 N
	+E/-W	0.00 ft	Easting:	3,168,529.93 ft	Longitude:	104° 53' 54.924 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,156.00 ft

Wellbore	P_TALON VIEW 12-9				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	9/1/2009	9.10	66.76	53,101

Design	PLAN #1 09-01-09 RHS			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	200.32

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,614.12	24.28	200.32	2,578.10	-237.67	-88.03	2.00	2.00	0.00	200.32	
5,953.34	24.28	200.32	5,621.90	-1,525.40	-564.95	0.00	0.00	0.00	0.00	
7,167.46	0.00	0.00	6,800.00	-1,763.07	-652.98	2.00	-2.00	0.00	180.00	
8,869.46	0.00	0.00	8,502.00	-1,763.07	-652.98	0.00	0.00	0.00	0.00	PBHL_TALON VIEW



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Project:	KERR MCGEE OIL & GAS ONSHORE LP	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site:	ADAMS_TALON VIEW 7 PAD	North Reference:	True
Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 12-9		
Design:	PLAN #1 09-01-09 RHS		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Start Build 2.00									
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	2.00	200.32	1,499.98	-1.64	-0.61	1.75	2.00	2.00	0.00
1,600.00	4.00	200.32	1,599.84	-6.54	-2.42	6.98	2.00	2.00	0.00
1,700.00	6.00	200.32	1,699.45	-14.72	-5.45	15.69	2.00	2.00	0.00
1,800.00	8.00	200.32	1,798.70	-26.14	-9.68	27.88	2.00	2.00	0.00
1,900.00	10.00	200.32	1,897.47	-40.81	-15.12	43.52	2.00	2.00	0.00
2,000.00	12.00	200.32	1,995.62	-58.71	-21.74	62.60	2.00	2.00	0.00
2,100.00	14.00	200.32	2,093.06	-79.80	-29.55	85.10	2.00	2.00	0.00
2,200.00	16.00	200.32	2,189.64	-104.07	-38.54	110.98	2.00	2.00	0.00
2,300.00	18.00	200.32	2,285.27	-131.48	-48.70	140.21	2.00	2.00	0.00
2,400.00	20.00	200.32	2,379.82	-162.01	-60.00	172.77	2.00	2.00	0.00
2,500.00	22.00	200.32	2,473.17	-195.62	-72.45	208.60	2.00	2.00	0.00
2,600.00	24.00	200.32	2,565.21	-232.26	-86.02	247.67	2.00	2.00	0.00
Start 3339.22 hold at 2614.12 MD									
2,614.12	24.28	200.32	2,578.10	-237.67	-88.03	253.45	2.00	2.00	0.00
2,700.00	24.28	200.32	2,656.38	-270.79	-100.29	288.77	0.00	0.00	0.00
2,800.00	24.28	200.32	2,747.53	-309.35	-114.57	329.89	0.00	0.00	0.00
2,900.00	24.28	200.32	2,838.69	-347.92	-128.86	371.01	0.00	0.00	0.00
3,000.00	24.28	200.32	2,929.84	-386.48	-143.14	412.14	0.00	0.00	0.00
3,100.00	24.28	200.32	3,020.99	-425.04	-157.42	453.26	0.00	0.00	0.00
3,200.00	24.28	200.32	3,112.15	-463.61	-171.70	494.38	0.00	0.00	0.00
3,300.00	24.28	200.32	3,203.30	-502.17	-185.99	535.51	0.00	0.00	0.00
3,400.00	24.28	200.32	3,294.45	-540.74	-200.27	576.63	0.00	0.00	0.00
3,500.00	24.28	200.32	3,385.61	-579.30	-214.55	617.75	0.00	0.00	0.00
3,600.00	24.28	200.32	3,476.76	-617.86	-228.83	658.88	0.00	0.00	0.00
3,700.00	24.28	200.32	3,567.91	-656.43	-243.12	700.00	0.00	0.00	0.00
3,800.00	24.28	200.32	3,659.06	-694.99	-257.40	741.12	0.00	0.00	0.00
3,900.00	24.28	200.32	3,750.22	-733.55	-271.68	782.25	0.00	0.00	0.00
4,000.00	24.28	200.32	3,841.37	-772.12	-285.96	823.37	0.00	0.00	0.00
4,100.00	24.28	200.32	3,932.52	-810.68	-300.25	864.49	0.00	0.00	0.00
4,200.00	24.28	200.32	4,023.68	-849.24	-314.53	905.62	0.00	0.00	0.00
4,300.00	24.28	200.32	4,114.83	-887.81	-328.81	946.74	0.00	0.00	0.00
4,400.00	24.28	200.32	4,205.98	-926.37	-343.09	987.87	0.00	0.00	0.00
4,500.00	24.28	200.32	4,297.13	-964.94	-357.38	1,028.99	0.00	0.00	0.00
4,600.00	24.28	200.32	4,388.29	-1,003.50	-371.66	1,070.11	0.00	0.00	0.00
4,700.00	24.28	200.32	4,479.44	-1,042.06	-385.94	1,111.24	0.00	0.00	0.00
4,800.00	24.28	200.32	4,570.59	-1,080.63	-400.22	1,152.36	0.00	0.00	0.00
4,900.00	24.28	200.32	4,661.75	-1,119.19	-414.51	1,193.48	0.00	0.00	0.00
5,000.00	24.28	200.32	4,752.90	-1,157.75	-428.79	1,234.61	0.00	0.00	0.00
5,100.00	24.28	200.32	4,844.05	-1,196.32	-443.07	1,275.73	0.00	0.00	0.00
5,200.00	24.28	200.32	4,935.21	-1,234.88	-457.35	1,316.85	0.00	0.00	0.00
SUSSEX TOP									
5,216.23	24.28	200.32	4,950.00	-1,241.14	-459.67	1,323.53	0.00	0.00	0.00
5,300.00	24.28	200.32	5,026.36	-1,273.44	-471.64	1,357.98	0.00	0.00	0.00
5,400.00	24.28	200.32	5,117.51	-1,312.01	-485.92	1,399.10	0.00	0.00	0.00
5,500.00	24.28	200.32	5,208.66	-1,350.57	-500.20	1,440.22	0.00	0.00	0.00
5,600.00	24.28	200.32	5,299.82	-1,389.13	-514.48	1,481.35	0.00	0.00	0.00
5,700.00	24.28	200.32	5,390.97	-1,427.70	-528.77	1,522.47	0.00	0.00	0.00
5,800.00	24.28	200.32	5,482.12	-1,466.26	-543.05	1,563.59	0.00	0.00	0.00
5,900.00	24.28	200.32	5,573.28	-1,504.83	-557.33	1,604.72	0.00	0.00	0.00
Start Drop -2.00									
5,953.34	24.28	200.32	5,621.90	-1,525.40	-564.95	1,626.65	0.00	0.00	0.00



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Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Project:	KERR MCGEE OIL & GAS ONSHORE LP	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site:	ADAMS_TALON VIEW 7 PAD	North Reference:	True
Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 12-9		
Design:	PLAN #1 09-01-09 RHS		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,000.00	23.35	200.32	5,664.58	-1,543.06	-571.49	1,645.49	2.00	-2.00	0.00
6,100.00	21.35	200.32	5,757.07	-1,578.72	-584.70	1,683.52	2.00	-2.00	0.00
6,200.00	19.35	200.32	5,850.82	-1,611.33	-596.78	1,718.29	2.00	-2.00	0.00
6,300.00	17.35	200.32	5,945.73	-1,640.85	-607.71	1,749.77	2.00	-2.00	0.00
6,400.00	15.35	200.32	6,041.68	-1,667.24	-617.49	1,777.92	2.00	-2.00	0.00
6,500.00	13.35	200.32	6,138.56	-1,690.48	-626.09	1,802.70	2.00	-2.00	0.00
6,600.00	11.35	200.32	6,236.24	-1,710.54	-633.52	1,824.08	2.00	-2.00	0.00
6,700.00	9.35	200.32	6,334.61	-1,727.38	-639.76	1,842.05	2.00	-2.00	0.00
6,800.00	7.35	200.32	6,433.54	-1,741.00	-644.80	1,856.57	2.00	-2.00	0.00
6,900.00	5.35	200.32	6,532.92	-1,751.37	-648.64	1,867.63	2.00	-2.00	0.00
7,000.00	3.35	200.32	6,632.63	-1,758.48	-651.28	1,875.21	2.00	-2.00	0.00
7,100.00	1.35	200.32	6,732.54	-1,762.32	-652.70	1,879.31	2.00	-2.00	0.00
Start 1702.00 hold at 7167.46 MD									
7,167.46	0.00	0.00	6,800.00	-1,763.07	-652.98	1,880.10	2.00	-2.00	236.69
7,200.00	0.00	0.00	6,832.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
7,300.00	0.00	0.00	6,932.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
7,400.00	0.00	0.00	7,032.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
7,500.00	0.00	0.00	7,132.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
7,600.00	0.00	0.00	7,232.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
7,700.00	0.00	0.00	7,332.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
7,800.00	0.00	0.00	7,432.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
NIO A TOP									
7,859.46	0.00	0.00	7,492.00	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
7,900.00	0.00	0.00	7,532.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
8,000.00	0.00	0.00	7,632.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
8,100.00	0.00	0.00	7,732.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
8,200.00	0.00	0.00	7,832.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
8,300.00	0.00	0.00	7,932.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
CODELL TOP									
8,304.46	0.00	0.00	7,937.00	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
8,400.00	0.00	0.00	8,032.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
8,500.00	0.00	0.00	8,132.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
8,600.00	0.00	0.00	8,232.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
8,700.00	0.00	0.00	8,332.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
JSAND TOP									
8,734.46	0.00	0.00	8,367.00	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
8,800.00	0.00	0.00	8,432.54	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00
PBHL_TALON VIEW 12-9(1980 FSL 660 FWL)50' TGT RAD									
8,869.46	0.00	0.00	8,502.00	-1,763.07	-652.98	1,880.10	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL_TALON VIEW	0.00	0.00	8,502.00	-1,763.07	-652.98	1,235,155.88	3,167,888.93	39° 58' 38.388 N	104° 54' 3.312 W
- plan hits target center									
- Circle (radius 50.00)									



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Project:	KERR MCGEE OIL & GAS ONSHORE LP	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site:	ADAMS_TALON VIEW 7 PAD	North Reference:	True
Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 12-9		
Design:	PLAN #1 09-01-09 RHS		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,300.00	1,300.00	8 5/8"	8.62	11.00	

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,216.23	4,950.00	SUSSEX TOP			
7,859.46	7,492.00	NIO A TOP			
8,304.46	7,937.00	CODELL TOP			
8,734.46	8,367.00	JSAND TOP			

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,400.00	1,400.00	0.00	0.00	Start Build 2.00	
2,614.12	2,578.10	-237.67	-88.03	Start 3339.22 hold at 2614.12 MD	
5,953.34	5,621.90	-1,525.40	-564.95	Start Drop -2.00	
7,167.46	6,800.00	-1,763.07	-652.98	Start 1702.00 hold at 7167.46 MD	
8,869.46	8,502.00	-1,763.07	-652.98	TD at 8869.46	



US ROCKIES REGION PLANNING

**KERR MCGEE OIL & GAS ONSHORE LP
ADAMS_TALON VIEW 7 PAD
P_TALON VIEW 12-9**

**P_TALON VIEW 12-9
PLAN #1 09-01-09 RHS**

Anticollision Report

01 September, 2009





Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Reference	PLAN #1 09-01-09 RHS		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	0.00 to 20,000.00ft	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 9/1/2009			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	8,869.46	PLAN #1 09-01-09 RHS (P_TALON VIEW	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						
ADAMS_TALON VIEW 7 PAD						
CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSE	1,811.48	1,810.06	189.82	115.86	2.566	CC
CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSE	2,000.00	1,995.62	192.69	110.87	2.355	ES
CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSE	2,200.00	2,189.64	206.57	116.78	2.301	SF
CHRISTIANSEN 4-9 EXISTING WELL - CHRISTIANSEN	1,616.74	1,612.45	196.70	189.79	28.458	CC, ES
CHRISTIANSEN 4-9 EXISTING WELL - CHRISTIANSEN	1,900.00	1,878.50	207.00	198.90	25.566	SF
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,400.00	1,400.00	14.58	8.54	2.416	CC
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,500.00	1,500.46	14.63	8.20	2.276	ES
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,600.00	1,600.84	15.37	8.60	2.272	SF
P_TALON VIEW 21-9 - P_TALON VIEW 21-9 - PLAN #1	1,400.00	1,400.00	43.70	37.67	7.242	CC, ES
P_TALON VIEW 21-9 - P_TALON VIEW 21-9 - PLAN #1	1,500.00	1,499.68	45.66	39.22	7.089	SF
P_TALON VIEW 22-9 - P_TALON VIEW 22-9 - PLAN #1	1,400.00	1,400.00	14.59	8.55	2.417	CC
P_TALON VIEW 22-9 - P_TALON VIEW 22-9 - PLAN #1	1,500.00	1,499.49	14.70	8.28	2.288	ES
P_TALON VIEW 22-9 - P_TALON VIEW 22-9 - PLAN #1	1,600.00	1,598.95	15.20	8.44	2.248	SF
P_TALON VIEW 3-9 - P_TALON VIEW 3-9 - PLAN #1 05	1,400.00	1,400.00	58.28	52.25	9.658	CC, ES
P_TALON VIEW 3-9 - P_TALON VIEW 3-9 - PLAN #1 05	1,500.00	1,498.31	61.29	54.84	9.507	SF
P_TALON VIEW 5-9 - P_TALON VIEW 5-9 - PLAN #1 05	1,400.00	1,400.00	72.85	66.82	12.071	CC, ES
P_TALON VIEW 5-9 - P_TALON VIEW 5-9 - PLAN #1 05	1,700.00	1,704.50	78.10	70.94	10.912	SF
P_TALON VIEW 6-9 - P_TALON VIEW 6-9 - PLAN #1 05	1,400.00	1,400.00	29.14	23.10	4.828	CC, ES
P_TALON VIEW 6-9 - P_TALON VIEW 6-9 - PLAN #1 05	1,500.00	1,500.54	29.84	23.41	4.639	SF

ADAMS_TALON VIEW 7 PAD - CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSEN 12-9 EXISTI											Offset Site Error:	0.00 ft	
Survey Program: 0-UNKNOWN											Offset Well Error:	0.00 ft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
0.00	0.00	0.00	0.00	0.00	0.00	-78.51	38.26	-188.25	192.10				
100.00	100.00	100.00	100.00	0.10	1.76	-78.51	38.26	-188.25	192.10	190.25	1.86	103.530	
200.00	200.00	200.00	200.00	0.32	5.76	-78.51	38.26	-188.25	192.10	186.02	6.08	31.594	
300.00	300.00	300.00	300.00	0.55	9.76	-78.51	38.26	-188.25	192.10	181.80	10.31	18.642	
400.00	400.00	400.00	400.00	0.77	13.76	-78.51	38.26	-188.25	192.10	177.57	14.53	13.221	
500.00	500.00	500.00	500.00	0.99	17.76	-78.51	38.26	-188.25	192.10	173.35	18.75	10.243	
600.00	600.00	600.00	600.00	1.22	21.76	-78.51	38.26	-188.25	192.10	169.12	22.98	8.360	
700.00	700.00	700.00	700.00	1.44	25.76	-78.51	38.26	-188.25	192.10	164.90	27.20	7.062	
800.00	800.00	800.00	800.00	1.67	29.76	-78.51	38.26	-188.25	192.10	160.67	31.43	6.112	

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



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
900.00	900.00	900.00	900.00	1.89	33.76	-78.51	38.26	-188.25	192.10	156.45	35.65	5.388	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	37.76	-78.51	38.26	-188.25	192.10	152.22	39.88	4.817	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	41.76	-78.51	38.26	-188.25	192.10	148.00	44.10	4.356	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	45.76	-78.51	38.26	-188.25	192.10	143.77	48.33	3.975	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	49.76	-78.51	38.26	-188.25	192.10	139.55	52.55	3.655	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	53.76	-78.51	38.26	-188.25	192.10	135.33	56.78	3.383	
1,500.00	1,499.98	1,499.98	1,499.98	3.21	57.76	81.69	38.26	-188.25	191.84	130.87	60.97	3.146	
1,600.00	1,599.84	1,599.84	1,599.84	3.39	61.75	83.25	38.26	-188.25	191.16	126.02	65.14	2.935	
1,700.00	1,699.45	1,699.45	1,699.45	3.57	65.74	85.86	38.26	-188.25	190.33	121.02	69.31	2.746	
1,800.00	1,798.70	1,798.70	1,798.70	3.78	69.71	89.52	38.26	-188.25	189.83	116.35	73.49	2.583	
1,811.48	1,810.06	1,810.06	1,810.06	3.80	70.16	90.00	38.26	-188.25	189.82	115.86	73.97	2.566 CC	
1,900.00	1,897.47	1,897.47	1,897.47	4.01	73.66	94.16	38.26	-188.25	190.34	112.68	77.66	2.451	
2,000.00	1,995.62	1,995.62	1,995.62	4.28	77.58	99.68	38.26	-188.25	192.69	110.87	81.81	2.355 ES	
2,100.00	2,093.06	2,093.06	2,093.06	4.59	81.48	105.86	38.26	-188.25	197.80	111.91	85.89	2.303	
2,200.00	2,189.64	2,189.64	2,189.64	4.96	85.35	112.42	38.26	-188.25	206.57	116.78	89.79	2.301 SF	
2,300.00	2,285.27	2,285.27	2,285.27	5.38	89.17	119.02	38.26	-188.25	219.75	126.32	93.43	2.352	
2,400.00	2,379.82	2,379.82	2,379.82	5.87	92.95	125.35	38.26	-188.25	237.82	141.08	96.74	2.458	
2,500.00	2,473.17	2,473.17	2,473.17	6.42	96.69	131.18	38.26	-188.25	260.98	161.31	99.67	2.618	
2,600.00	2,565.21	2,565.21	2,565.21	7.05	100.37	136.40	38.26	-188.25	289.19	186.97	102.23	2.829	
2,614.12	2,578.10	2,578.10	2,578.10	7.14	100.88	137.08	38.26	-188.25	293.58	191.02	102.56	2.863	
2,700.00	2,656.38	2,656.38	2,656.38	7.72	104.02	141.23	38.26	-188.25	321.33	216.17	105.15	3.056	
2,800.00	2,747.53	2,747.53	2,747.53	8.43	107.66	145.27	38.26	-188.25	355.34	247.08	108.26	3.282	
2,900.00	2,838.69	2,838.69	2,838.69	9.15	111.31	148.63	38.26	-188.25	390.72	279.26	111.46	3.506	
3,000.00	2,929.84	2,929.84	2,929.84	9.88	114.95	151.44	38.26	-188.25	427.13	312.41	114.73	3.723	
3,100.00	3,020.99	3,020.99	3,020.99	10.63	118.60	153.83	38.26	-188.25	464.33	346.28	118.06	3.933	
3,200.00	3,112.15	3,112.15	3,112.15	11.38	122.25	155.87	38.26	-188.25	502.15	380.71	121.44	4.135	
3,300.00	3,203.30	3,203.30	3,203.30	12.15	125.89	157.63	38.26	-188.25	540.44	415.58	124.86	4.328	
3,400.00	3,294.45	3,294.45	3,294.45	12.91	129.54	159.16	38.26	-188.25	579.12	450.80	128.32	4.513	
3,500.00	3,385.61	3,385.61	3,385.61	13.69	133.18	160.51	38.26	-188.25	618.12	486.31	131.81	4.689	
3,600.00	3,476.76	3,476.76	3,476.76	14.47	136.83	161.69	38.26	-188.25	657.38	522.06	135.32	4.858	
3,700.00	3,567.91	3,567.91	3,567.91	15.25	140.48	162.75	38.26	-188.25	696.85	558.00	138.86	5.019	
3,800.00	3,659.06	3,659.06	3,659.06	16.03	144.12	163.69	38.26	-188.25	736.51	594.10	142.40	5.172	
3,900.00	3,750.22	3,750.22	3,750.22	16.82	147.77	164.54	38.26	-188.25	776.31	630.35	145.97	5.318	
4,000.00	3,841.37	3,841.37	3,841.37	17.61	151.41	165.30	38.26	-188.25	816.25	666.71	149.54	5.458	
4,100.00	3,932.52	3,932.52	3,932.52	18.41	155.06	166.00	38.26	-188.25	856.30	703.17	153.13	5.592	
4,200.00	4,023.68	4,023.68	4,023.68	19.20	158.71	166.63	38.26	-188.25	896.45	739.72	156.73	5.720	
4,300.00	4,114.83	4,114.83	4,114.83	20.00	162.35	167.21	38.26	-188.25	936.68	776.35	160.33	5.842	
4,400.00	4,205.98	4,205.98	4,205.98	20.79	166.00	167.74	38.26	-188.25	976.98	813.04	163.94	5.959	
4,500.00	4,297.13	4,297.13	4,297.13	21.59	169.65	168.23	38.26	-188.25	1,017.35	849.79	167.56	6.071	
4,600.00	4,388.29	4,388.29	4,388.29	22.39	173.29	168.68	38.26	-188.25	1,057.78	886.60	171.19	6.179	
4,700.00	4,479.44	4,479.44	4,479.44	23.19	176.94	169.10	38.26	-188.25	1,098.26	923.45	174.82	6.282	
4,800.00	4,570.59	4,570.59	4,570.59	23.99	180.58	169.49	38.26	-188.25	1,138.79	960.34	178.45	6.382	
4,900.00	4,661.75	4,661.75	4,661.75	24.79	184.23	169.86	38.26	-188.25	1,179.36	997.27	182.09	6.477	
5,000.00	4,752.90	4,752.90	4,752.90	25.60	187.88	170.20	38.26	-188.25	1,219.96	1,034.24	185.73	6.569	
5,100.00	4,844.05	4,844.05	4,844.05	26.40	191.52	170.51	38.26	-188.25	1,260.60	1,071.23	189.37	6.657	
5,200.00	4,935.21	4,935.21	4,935.21	27.20	195.17	170.81	38.26	-188.25	1,301.27	1,108.26	193.02	6.742	
5,300.00	5,026.36	5,026.36	5,026.36	28.01	198.81	171.09	38.26	-188.25	1,341.97	1,145.30	196.67	6.824	
5,400.00	5,117.51	5,117.51	5,117.51	28.81	202.46	171.35	38.26	-188.25	1,382.69	1,182.37	200.32	6.902	
5,500.00	5,208.66	5,208.66	5,208.66	29.62	206.11	171.60	38.26	-188.25	1,423.44	1,219.46	203.97	6.978	
5,600.00	5,299.82	5,299.82	5,299.82	30.42	209.75	171.84	38.26	-188.25	1,464.20	1,256.57	207.63	7.052	
5,700.00	5,390.97	5,390.97	5,390.97	31.23	213.40	172.06	38.26	-188.25	1,504.99	1,293.70	211.29	7.123	
5,800.00	5,482.12	5,482.12	5,482.12	32.04	217.04	172.27	38.26	-188.25	1,545.79	1,330.84	214.95	7.191	

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



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
ADAMS_TALON VIEW 7 PAD - CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSEN 12-9 EXISTING												Offset Well Error:	0.00 ft
Survey Program: 0-UNKNOWN													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,900.00	5,573.28	5,573.28	5,573.28	32.84	220.69	172.47	38.26	-188.25	1,586.61	1,368.00	218.61	7.258	
5,953.34	5,621.90	5,621.90	5,621.90	33.28	222.64	172.57	38.26	-188.25	1,608.39	1,387.83	220.57	7.292	
6,000.00	5,664.58	5,664.58	5,664.58	33.59	224.34	172.71	38.26	-188.25	1,627.10	1,403.45	223.66	7.275	
6,100.00	5,757.07	5,757.07	5,757.07	34.14	228.04	172.98	38.26	-188.25	1,664.87	1,434.60	230.28	7.230	
6,200.00	5,850.82	5,850.82	5,850.82	34.65	231.79	173.21	38.26	-188.25	1,699.42	1,462.60	236.82	7.176	
6,300.00	5,945.73	5,945.73	5,945.73	35.13	235.59	173.41	38.26	-188.25	1,730.71	1,487.50	243.21	7.116	
6,400.00	6,041.68	6,041.68	6,041.68	35.56	239.43	173.58	38.26	-188.25	1,758.69	1,509.27	249.42	7.051	
6,500.00	6,138.56	6,138.56	6,138.56	35.96	243.30	173.72	38.26	-188.25	1,783.33	1,527.91	255.43	6.982	
6,600.00	6,236.24	6,236.24	6,236.24	36.31	247.21	173.84	38.26	-188.25	1,804.60	1,543.39	261.21	6.909	
6,700.00	6,334.61	6,334.61	6,334.61	36.62	251.14	173.94	38.26	-188.25	1,822.46	1,555.72	266.74	6.832	
6,800.00	6,433.54	6,433.54	6,433.54	36.88	255.10	174.02	38.26	-188.25	1,836.90	1,564.89	272.01	6.753	
6,900.00	6,532.92	6,532.92	6,532.92	37.10	259.08	174.08	38.26	-188.25	1,847.90	1,570.91	276.99	6.671	
7,000.00	6,632.63	6,632.63	6,632.63	37.27	263.07	174.12	38.26	-188.25	1,855.45	1,573.78	281.66	6.587	
7,100.00	6,732.54	6,732.54	6,732.54	37.39	267.06	174.14	38.26	-188.25	1,859.52	1,573.51	286.01	6.502	
7,167.46	6,800.00	6,800.00	6,800.00	37.46	269.76	14.47	38.26	-188.25	1,860.31	1,571.57	288.75	6.443	
7,200.00	6,832.54	6,832.54	6,832.54	37.48	271.06	14.47	38.26	-188.25	1,860.31	1,570.22	290.10	6.413	
7,300.00	6,932.54	6,932.54	6,932.54	37.56	275.06	14.47	38.26	-188.25	1,860.31	1,566.07	294.24	6.322	
7,400.00	7,032.54	7,032.54	7,032.54	37.63	279.06	14.47	38.26	-188.25	1,860.31	1,561.93	298.39	6.235	
7,500.00	7,132.54	7,132.54	7,132.54	37.70	283.06	14.47	38.26	-188.25	1,860.31	1,557.78	302.54	6.149	
7,600.00	7,232.54	7,232.54	7,232.54	37.78	287.06	14.47	38.26	-188.25	1,860.31	1,553.63	306.69	6.066	
7,700.00	7,332.54	7,332.54	7,332.54	37.86	291.06	14.47	38.26	-188.25	1,860.31	1,549.48	310.84	5.985	
7,800.00	7,432.54	7,432.54	7,432.54	37.93	295.06	14.47	38.26	-188.25	1,860.31	1,545.32	314.99	5.906	
7,900.00	7,532.54	7,532.54	7,532.54	38.01	299.06	14.47	38.26	-188.25	1,860.31	1,541.17	319.14	5.829	
8,000.00	7,632.54	7,632.54	7,632.54	38.09	303.06	14.47	38.26	-188.25	1,860.31	1,537.01	323.30	5.754	
8,100.00	7,732.54	7,732.54	7,732.54	38.18	307.06	14.47	38.26	-188.25	1,860.31	1,532.86	327.46	5.681	
8,200.00	7,832.54	7,832.54	7,832.54	38.26	311.06	14.47	38.26	-188.25	1,860.31	1,528.70	331.61	5.610	
8,300.00	7,932.54	7,932.54	7,932.54	38.34	315.06	14.47	38.26	-188.25	1,860.31	1,524.54	335.77	5.540	
8,400.00	8,032.54	8,032.54	8,032.54	38.43	319.06	14.47	38.26	-188.25	1,860.31	1,520.38	339.93	5.473	
8,500.00	8,132.54	8,132.54	8,132.54	38.51	323.06	14.47	38.26	-188.25	1,860.31	1,516.22	344.09	5.406	
8,600.00	8,232.54	8,232.54	8,232.54	38.60	327.06	14.47	38.26	-188.25	1,860.31	1,512.06	348.26	5.342	
8,700.00	8,332.54	8,332.54	8,332.54	38.69	331.06	14.47	38.26	-188.25	1,860.31	1,507.89	352.42	5.279	
8,800.00	8,432.54	8,432.54	8,432.54	38.78	335.06	14.47	38.26	-188.25	1,860.31	1,503.73	356.59	5.217	
8,869.46	8,502.00	8,502.00	8,502.00	38.84	337.84	14.47	38.26	-188.25	1,860.31	1,500.83	359.48	5.175	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-88.51	5.14	-197.91	197.98				
100.00	100.00	100.00	100.00	0.10	0.10	-88.51	5.14	-197.91	197.98	197.79	0.19	1,018.298	
200.00	200.00	200.00	200.00	0.32	0.32	-88.51	5.14	-197.91	197.98	197.34	0.64	307.444	
300.00	300.00	300.00	300.00	0.55	0.55	-88.51	5.14	-197.91	197.98	196.89	1.09	181.054	
400.00	400.00	400.00	400.00	0.77	0.77	-88.51	5.14	-197.91	197.98	196.44	1.54	128.307	
500.00	500.00	500.00	500.00	0.99	1.00	-88.51	5.14	-197.91	197.98	195.99	1.99	99.360	
600.00	600.00	600.00	600.00	1.22	1.22	-88.51	5.14	-197.91	197.98	195.54	2.44	81.070	
700.00	700.00	700.00	700.00	1.44	1.45	-88.51	5.14	-197.91	197.98	195.09	2.89	68.467	
800.00	800.00	800.00	800.00	1.67	1.67	-88.51	5.14	-197.91	197.98	194.64	3.34	59.255	
900.00	900.00	900.00	900.00	1.89	1.90	-88.51	5.14	-197.91	197.98	194.19	3.79	52.228	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-88.51	5.14	-197.91	197.98	193.74	4.24	46.691	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.35	-88.51	5.14	-197.91	197.98	193.29	4.69	42.216	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	-88.51	5.14	-197.91	197.98	192.84	5.14	38.523	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.80	-88.51	5.14	-197.91	197.98	192.39	5.59	35.424	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	-88.51	5.14	-197.91	197.98	191.94	6.04	32.787	
1,500.00	1,499.98	1,499.98	1,499.98	3.21	3.25	71.66	5.14	-197.91	197.42	190.96	6.46	30.566	
1,600.00	1,599.84	1,596.38	1,596.36	3.39	3.46	73.47	6.58	-198.67	196.72	189.87	6.85	28.737	
1,616.74	1,616.54	1,612.45	1,612.43	3.42	3.50	73.94	7.09	-198.94	196.70	189.79	6.91	28.458 CC, ES	
1,700.00	1,699.45	1,691.95	1,691.81	3.57	3.67	76.96	10.83	-200.92	197.28	190.04	7.24	27.246	
1,800.00	1,798.70	1,786.16	1,785.68	3.78	3.89	81.93	17.77	-204.59	200.21	192.56	7.65	26.155	
1,900.00	1,897.47	1,878.50	1,877.40	4.01	4.11	88.01	27.22	-209.58	207.00	198.90	8.10	25.566 SF	
2,000.00	1,995.62	1,968.50	1,966.42	4.28	4.34	94.65	38.94	-215.77	219.17	210.60	8.57	25.577	
2,100.00	2,093.06	2,055.77	2,052.29	4.59	4.58	101.30	52.65	-223.03	237.99	228.92	9.07	26.249	
2,200.00	2,189.64	2,139.93	2,134.62	4.96	4.83	107.48	68.07	-231.17	264.13	254.55	9.58	27.572	
2,300.00	2,285.27	2,220.70	2,213.12	5.38	5.10	112.88	84.87	-240.05	297.71	287.61	10.10	29.472	
2,400.00	2,379.82	2,300.52	2,290.17	5.87	5.40	117.60	103.29	-249.79	338.29	327.65	10.63	31.812	
2,500.00	2,473.17	2,384.09	2,370.71	6.42	5.73	121.86	123.03	-260.22	383.79	372.61	11.18	34.322	
2,600.00	2,565.21	2,465.83	2,449.47	7.05	6.07	125.40	142.35	-270.43	433.28	421.54	11.74	36.912	
2,614.12	2,578.10	2,477.22	2,460.45	7.14	6.12	125.84	145.04	-271.85	440.57	428.75	11.82	37.282	
2,700.00	2,656.38	2,546.36	2,527.07	7.72	6.43	129.09	161.37	-280.49	485.75	473.45	12.31	39.470	
2,800.00	2,747.53	2,626.87	2,604.65	8.43	6.79	132.23	180.39	-290.54	539.66	526.78	12.88	41.898	
2,900.00	2,838.69	2,707.38	2,682.23	9.15	7.16	134.84	199.42	-300.59	594.60	581.14	13.46	44.178	
3,000.00	2,929.84	2,787.89	2,759.82	9.88	7.53	137.03	218.44	-310.65	650.30	636.26	14.04	46.302	
3,100.00	3,020.99	2,868.40	2,837.40	10.63	7.92	138.89	237.46	-320.70	706.60	691.96	14.64	48.274	
3,200.00	3,112.15	2,948.91	2,914.98	11.38	8.31	140.49	256.48	-330.76	763.35	748.11	15.24	50.104	
3,300.00	3,203.30	3,029.42	2,992.56	12.15	8.71	141.87	275.50	-340.81	820.46	804.62	15.84	51.800	
3,400.00	3,294.45	3,109.93	3,070.14	12.91	9.11	143.08	294.52	-350.86	877.87	861.42	16.45	53.370	
3,500.00	3,385.61	3,190.44	3,147.73	13.69	9.51	144.15	313.55	-360.92	935.51	918.45	17.06	54.825	
3,600.00	3,476.76	3,270.95	3,225.31	14.47	9.92	145.09	332.57	-370.97	993.35	975.67	17.68	56.174	
3,700.00	3,567.91	3,351.46	3,302.89	15.25	10.33	145.93	351.59	-381.02	1,051.36	1,033.05	18.31	57.426	
3,800.00	3,659.06	3,431.97	3,380.47	16.03	10.74	146.69	370.61	-391.08	1,109.50	1,090.56	18.94	58.591	
3,900.00	3,750.22	3,512.48	3,458.05	16.82	11.16	147.37	389.63	-401.13	1,167.76	1,148.19	19.57	59.675	
4,000.00	3,841.37	3,592.99	3,535.64	17.61	11.58	147.99	408.66	-411.19	1,226.12	1,205.92	20.20	60.686	
4,100.00	3,932.52	3,673.50	3,613.22	18.41	12.00	148.56	427.68	-421.24	1,284.57	1,263.73	20.84	61.629	
4,200.00	4,023.68	3,754.01	3,690.80	19.20	12.42	149.07	446.70	-431.29	1,343.10	1,321.61	21.49	62.511	
4,300.00	4,114.83	3,834.52	3,768.38	20.00	12.84	149.54	465.72	-441.35	1,401.69	1,379.56	22.13	63.337	
4,400.00	4,205.98	3,915.03	3,845.96	20.79	13.26	149.98	484.74	-451.40	1,460.34	1,437.56	22.78	64.112	
4,500.00	4,297.13	3,995.54	3,923.55	21.59	13.69	150.38	503.76	-461.46	1,519.04	1,495.61	23.43	64.840	
4,600.00	4,388.29	4,076.05	4,001.13	22.39	14.12	150.75	522.79	-471.51	1,577.79	1,553.71	24.08	65.524	
4,700.00	4,479.44	4,156.56	4,078.71	23.19	14.54	151.10	541.81	-481.56	1,636.57	1,611.84	24.73	66.168	
4,800.00	4,570.59	4,237.07	4,156.29	23.99	14.97	151.42	560.83	-491.62	1,695.40	1,670.01	25.39	66.776	
4,900.00	4,661.75	4,317.58	4,233.87	24.79	15.40	151.72	579.85	-501.67	1,754.26	1,728.21	26.05	67.350	

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



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,000.00	4,752.90	4,398.09	4,311.45	25.60	15.83	152.00	598.87	-511.72	1,813.14	1,786.44	26.71	67.893	
5,100.00	4,844.05	4,478.60	4,389.04	26.40	16.26	152.26	617.90	-521.78	1,872.06	1,844.69	27.37	68.407	
5,200.00	4,935.21	4,559.11	4,466.62	27.20	16.69	152.51	636.92	-531.83	1,931.00	1,902.97	28.03	68.894	
5,300.00	5,026.36	4,639.62	4,544.20	28.01	17.13	152.75	655.94	-541.89	1,989.96	1,961.27	28.69	69.356	
5,400.00	5,117.51	4,720.13	4,621.78	28.81	17.56	152.97	674.96	-551.94	2,048.94	2,019.58	29.36	69.795	
5,500.00	5,208.66	4,800.64	4,699.36	29.62	17.99	153.17	693.98	-561.99	2,107.94	2,077.92	30.02	70.213	
5,600.00	5,299.82	4,881.15	4,776.95	30.42	18.42	153.37	713.01	-572.05	2,166.96	2,136.27	30.69	70.610	
5,700.00	5,390.97	4,961.66	4,854.53	31.23	18.86	153.55	732.03	-582.10	2,225.99	2,194.63	31.36	70.989	
5,800.00	5,482.12	5,042.17	4,932.11	32.04	19.29	153.73	751.05	-592.15	2,285.04	2,253.01	32.03	71.351	
5,900.00	5,573.28	5,122.68	5,009.69	32.84	19.73	153.90	770.07	-602.21	2,344.10	2,311.40	32.69	71.696	
5,953.34	5,621.90	5,165.62	5,051.08	33.28	19.96	153.98	780.22	-607.57	2,375.61	2,342.55	33.05	71.874	
6,000.00	5,664.58	5,204.92	5,088.94	33.59	20.17	154.35	789.50	-612.48	2,402.89	2,369.47	33.42	71.893	
6,100.00	5,757.07	5,262.70	5,138.83	34.14	21.48	155.58	854.59	-646.88	2,454.82	2,420.19	34.62	70.906	
6,200.00	5,850.82	5,269.92	5,144.60	34.65	22.28	157.01	881.13	-660.91	2,493.29	2,457.63	35.66	69.909	
6,300.00	5,945.73	5,271.05	5,145.73	35.13	22.40	157.54	881.14	-660.91	2,522.55	2,486.25	36.30	69.483	
6,400.00	6,041.68	5,267.01	5,141.68	35.56	22.52	157.99	881.14	-660.91	2,548.75	2,511.85	36.90	69.064	
6,500.00	6,138.56	5,263.88	5,138.56	35.96	22.65	158.37	881.14	-660.91	2,571.86	2,534.40	37.46	68.652	
6,600.00	6,236.24	5,261.56	5,136.24	36.31	22.77	158.69	881.14	-660.91	2,591.82	2,553.85	37.98	68.249	
6,700.00	6,334.61	5,259.93	5,134.61	36.62	22.90	158.96	881.14	-660.91	2,608.61	2,570.17	38.44	67.854	
6,800.00	6,433.54	5,258.87	5,133.54	36.88	23.03	159.17	881.14	-660.91	2,622.19	2,583.32	38.86	67.470	
6,900.00	6,532.92	5,258.25	5,132.92	37.10	23.16	159.33	881.14	-660.91	2,632.54	2,593.30	39.24	67.095	
7,000.00	6,632.63	5,257.95	5,132.63	37.27	23.30	159.44	881.14	-660.91	2,639.64	2,600.08	39.56	66.729	
7,100.00	6,732.54	5,257.87	5,132.54	37.39	23.43	159.49	881.14	-660.91	2,643.48	2,603.65	39.83	66.370	
7,167.46	6,800.00	5,252.32	5,127.00	37.46	23.52	-0.17	881.14	-660.91	2,644.22	2,604.23	39.99	66.127	
7,200.00	6,832.54	5,257.86	5,132.54	37.48	23.57	-0.17	881.14	-660.91	2,644.22	2,604.13	40.09	65.960	
7,300.00	6,932.54	5,257.86	5,132.54	37.56	23.71	-0.17	881.14	-660.91	2,644.22	2,603.82	40.40	65.456	
7,400.00	7,032.54	5,257.86	5,132.54	37.63	23.85	-0.17	881.14	-660.91	2,644.22	2,603.51	40.71	64.956	
7,500.00	7,132.54	5,257.86	5,132.54	37.70	23.99	-0.17	881.14	-660.91	2,644.22	2,603.20	41.02	64.459	
7,600.00	7,232.54	5,257.86	5,132.54	37.78	24.13	-0.17	881.14	-660.91	2,644.22	2,602.88	41.34	63.966	
7,700.00	7,332.54	5,257.86	5,132.54	37.86	24.28	-0.17	881.14	-660.91	2,644.22	2,602.57	41.66	63.477	
7,800.00	7,432.54	5,257.86	5,132.54	37.93	24.42	-0.17	881.14	-660.91	2,644.22	2,602.24	41.98	62.992	
7,850.59	7,483.13	5,258.45	5,133.13	37.97	24.49	-0.17	881.14	-660.91	2,644.22	2,602.08	42.14	62.749	
7,900.00	7,532.54	5,252.32	5,127.00	38.01	24.52	-0.17	881.14	-660.91	2,644.42	2,602.18	42.24	62.607	
8,000.00	7,632.54	5,252.32	5,127.00	38.09	24.52	-0.17	881.14	-660.91	2,647.54	2,605.16	42.38	62.477	
8,100.00	7,732.54	5,252.32	5,127.00	38.18	24.52	-0.17	881.14	-660.91	2,654.43	2,611.91	42.52	62.435	
8,200.00	7,832.54	5,252.32	5,127.00	38.26	24.52	-0.17	881.14	-660.91	2,665.05	2,622.39	42.66	62.479	
8,300.00	7,932.54	5,252.32	5,127.00	38.34	24.52	-0.17	881.14	-660.91	2,679.36	2,636.57	42.80	62.606	
8,400.00	8,032.54	5,252.32	5,127.00	38.43	24.52	-0.17	881.14	-660.91	2,697.31	2,654.37	42.94	62.816	
8,500.00	8,132.54	5,252.32	5,127.00	38.51	24.52	-0.17	881.14	-660.91	2,718.83	2,675.74	43.08	63.105	
8,600.00	8,232.54	5,252.32	5,127.00	38.60	24.52	-0.17	881.14	-660.91	2,743.81	2,700.58	43.23	63.471	
8,700.00	8,332.54	5,252.32	5,127.00	38.69	24.52	-0.17	881.14	-660.91	2,772.19	2,728.81	43.38	63.911	
8,800.00	8,432.54	5,252.32	5,127.00	38.78	24.52	-0.17	881.14	-660.91	2,803.84	2,760.32	43.52	64.421	
8,869.46	8,502.00	5,252.32	5,127.00	38.84	24.52	-0.17	881.14	-660.91	2,827.70	2,784.08	43.63	64.815	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.58	0.00	14.58				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	14.58	0.00	14.58	14.39	0.19	76.311	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	14.58	0.00	14.58	13.94	0.64	22.760	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	14.58	0.00	14.58	13.49	1.09	13.374	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	14.58	0.00	14.58	13.04	1.54	9.469	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	14.58	0.00	14.58	12.59	1.99	7.329	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	14.58	0.00	14.58	12.14	2.44	5.978	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	14.58	0.00	14.58	11.69	2.89	5.048	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	14.58	0.00	14.58	11.24	3.34	4.368	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	14.58	0.00	14.58	10.79	3.79	3.850	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	14.58	0.00	14.58	10.34	4.24	3.441	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	14.58	0.00	14.58	9.89	4.69	3.111	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	14.58	0.00	14.58	9.44	5.14	2.839	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	14.58	0.00	14.58	8.99	5.59	2.610	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	14.58	0.00	14.58	8.54	6.03	2.416 CC	
1,430.24	1,430.24	1,430.39	1,430.39	3.08	3.08	160.12	14.43	0.06	14.58	8.43	6.15	2.369	
1,500.00	1,499.98	1,500.46	1,500.44	3.21	3.22	164.50	12.93	0.62	14.63	8.20	6.43	2.276 ES	
1,600.00	1,599.84	1,600.84	1,600.67	3.39	3.39	178.33	8.00	2.49	15.37	8.60	6.77	2.272 SF	
1,700.00	1,699.45	1,701.03	1,700.47	3.57	3.58	-163.10	-0.20	5.58	18.26	11.14	7.12	2.566	
1,800.00	1,798.70	1,800.95	1,799.64	3.78	3.78	-146.79	-11.63	9.89	24.39	16.89	7.50	3.252	
1,900.00	1,897.47	1,900.51	1,897.97	4.01	4.02	-135.54	-26.22	15.40	33.83	25.89	7.94	4.259	
2,000.00	1,995.62	1,999.64	1,995.27	4.28	4.28	-128.28	-43.92	22.08	46.25	37.80	8.46	5.470	
2,100.00	2,093.06	2,098.25	2,091.36	4.59	4.60	-123.50	-64.64	29.90	61.39	52.33	9.05	6.780	
2,200.00	2,189.64	2,196.27	2,186.06	4.96	4.96	-120.22	-88.29	38.83	79.05	69.30	9.75	8.109	
2,300.00	2,285.27	2,293.63	2,279.21	5.38	5.38	-117.85	-114.76	48.83	99.13	88.58	10.55	9.397	
2,400.00	2,379.82	2,390.26	2,370.66	5.87	5.85	-116.06	-143.95	59.85	121.55	110.08	11.46	10.603	
2,500.00	2,473.17	2,486.11	2,460.27	6.42	6.39	-114.65	-175.74	71.85	146.23	133.73	12.50	11.701	
2,600.00	2,565.21	2,581.12	2,547.94	7.05	6.98	-113.48	-210.00	84.78	173.11	159.46	13.65	12.681	
2,614.12	2,578.10	2,594.46	2,560.16	7.14	7.07	-113.33	-215.03	86.68	177.08	163.26	13.82	12.814	
2,700.00	2,656.38	2,676.47	2,634.93	7.72	7.63	-112.81	-246.53	98.57	201.48	186.55	14.93	13.499	
2,800.00	2,747.53	2,772.32	2,722.29	8.43	8.32	-112.31	-283.42	112.49	229.93	213.68	16.26	14.143	
2,900.00	2,838.69	2,868.17	2,809.66	9.15	9.02	-111.92	-320.31	126.42	258.40	240.78	17.63	14.661	
3,000.00	2,929.84	2,964.02	2,897.02	9.88	9.74	-111.61	-357.20	140.35	286.88	267.86	19.02	15.083	
3,100.00	3,020.99	3,059.87	2,984.38	10.63	10.47	-111.36	-394.08	154.27	315.36	294.92	20.44	15.431	
3,200.00	3,112.15	3,155.72	3,071.75	11.38	11.20	-111.14	-430.97	168.20	343.84	321.97	21.87	15.721	
3,300.00	3,203.30	3,251.57	3,159.11	12.15	11.95	-110.96	-467.86	182.12	372.33	349.01	23.32	15.967	
3,400.00	3,294.45	3,347.42	3,246.48	12.91	12.70	-110.81	-504.75	196.05	400.83	376.05	24.78	16.176	
3,500.00	3,385.61	3,443.26	3,333.84	13.69	13.46	-110.68	-541.64	209.97	429.32	403.07	26.25	16.355	
3,600.00	3,476.76	3,539.11	3,421.21	14.47	14.22	-110.56	-578.53	223.90	457.82	430.09	27.73	16.511	
3,700.00	3,567.91	3,634.96	3,508.57	15.25	14.99	-110.46	-615.41	237.82	486.32	457.11	29.21	16.648	
3,800.00	3,659.06	3,730.81	3,595.93	16.03	15.76	-110.36	-652.30	251.75	514.82	484.12	30.70	16.768	
3,900.00	3,750.22	3,826.66	3,683.30	16.82	16.53	-110.28	-689.19	265.67	543.32	511.12	32.20	16.875	
4,000.00	3,841.37	3,922.51	3,770.66	17.61	17.30	-110.21	-726.08	279.60	571.82	538.12	33.70	16.970	
4,100.00	3,932.52	4,018.36	3,858.03	18.41	18.08	-110.14	-762.97	293.52	600.32	565.12	35.20	17.055	
4,200.00	4,023.68	4,114.21	3,945.39	19.20	18.86	-110.08	-799.86	307.45	628.83	592.12	36.71	17.132	
4,300.00	4,114.83	4,210.06	4,032.75	20.00	19.64	-110.02	-836.74	321.37	657.33	619.12	38.21	17.202	
4,400.00	4,205.98	4,305.91	4,120.12	20.79	20.42	-109.97	-873.63	335.30	685.84	646.11	39.72	17.265	
4,500.00	4,297.13	4,401.76	4,207.48	21.59	21.20	-109.93	-910.52	349.22	714.34	673.11	41.24	17.323	
4,600.00	4,388.29	4,497.61	4,294.85	22.39	21.98	-109.88	-947.41	363.15	742.85	700.10	42.75	17.376	
4,700.00	4,479.44	4,593.46	4,382.21	23.19	22.77	-109.84	-984.30	377.08	771.35	727.09	44.27	17.426	
4,800.00	4,570.59	4,689.31	4,469.57	23.99	23.55	-109.80	-1,021.19	391.00	799.86	754.08	45.78	17.471	
4,900.00	4,661.75	4,785.16	4,556.94	24.79	24.34	-109.77	-1,058.07	404.93	828.37	781.07	47.30	17.513	

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



Weatherford International Ltd.
Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design ADAMS_TALON VIEW 7 PAD - P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1 09-01-09 RHS													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,752.90	4,881.01	4,644.30	25.60	25.13	-109.74	-1,094.96	418.85	856.87	808.05	48.82	17.552		
5,100.00	4,844.05	4,976.86	4,731.67	26.40	25.91	-109.71	-1,131.85	432.78	885.38	835.04	50.34	17.589		
5,200.00	4,935.21	5,072.71	4,819.03	27.20	26.70	-109.68	-1,168.74	446.70	913.89	862.03	51.86	17.623		
5,300.00	5,026.36	5,168.56	4,906.40	28.01	27.49	-109.65	-1,205.63	460.63	942.39	889.02	53.38	17.656		
5,400.00	5,117.51	5,264.41	4,993.76	28.81	28.28	-109.63	-1,242.52	474.55	970.90	916.00	54.90	17.686		
5,500.00	5,208.66	5,360.26	5,081.12	29.62	29.07	-109.60	-1,279.40	488.48	999.41	942.99	56.42	17.714		
5,600.00	5,299.82	5,456.11	5,168.49	30.42	29.86	-109.58	-1,316.29	502.40	1,027.92	969.98	57.94	17.741		
5,700.00	5,390.97	5,551.96	5,255.85	31.23	30.65	-109.56	-1,353.18	516.33	1,056.43	996.96	59.46	17.767		
5,800.00	5,482.12	5,647.81	5,343.22	32.04	31.44	-109.54	-1,390.07	530.25	1,084.93	1,023.95	60.98	17.791		
5,900.00	5,573.28	5,743.66	5,430.58	32.84	32.23	-109.52	-1,426.96	544.18	1,113.44	1,050.94	62.50	17.814		
5,953.34	5,621.90	5,794.78	5,477.18	33.28	32.65	-109.51	-1,446.63	551.61	1,128.65	1,065.33	63.32	17.826		
6,000.00	5,664.58	5,839.54	5,517.97	33.59	33.02	-109.74	-1,463.86	558.11	1,141.83	1,077.81	64.02	17.836		
6,100.00	5,757.07	5,935.64	5,605.57	34.14	33.82	-110.10	-1,500.84	572.07	1,169.25	1,103.85	65.39	17.880		
6,200.00	5,850.82	6,044.01	5,704.92	34.65	34.55	-110.29	-1,541.31	587.35	1,195.13	1,128.46	66.68	17.924		
6,300.00	5,945.73	6,156.26	5,809.46	35.13	35.17	-110.46	-1,579.55	601.78	1,218.69	1,150.87	67.81	17.971		
6,400.00	6,041.68	6,269.72	5,916.67	35.56	35.75	-110.60	-1,614.27	614.89	1,239.83	1,170.97	68.86	18.005		
6,500.00	6,138.56	6,384.29	6,026.33	35.96	36.27	-110.73	-1,645.27	626.59	1,258.51	1,188.70	69.81	18.027		
6,600.00	6,236.24	6,499.84	6,138.20	36.31	36.75	-110.84	-1,672.36	636.82	1,274.69	1,204.03	70.66	18.039		
6,700.00	6,334.61	6,616.26	6,251.98	36.62	37.16	-110.93	-1,695.36	645.50	1,288.31	1,216.91	71.40	18.044		
6,800.00	6,433.54	6,733.41	6,367.39	36.88	37.51	-111.00	-1,714.12	652.58	1,299.35	1,227.32	72.03	18.040		
6,900.00	6,532.92	6,851.13	6,484.10	37.10	37.80	-111.05	-1,728.51	658.02	1,307.77	1,235.23	72.54	18.028		
7,000.00	6,632.63	6,969.29	6,601.77	37.27	38.03	-111.09	-1,738.43	661.76	1,313.55	1,240.61	72.94	18.008		
7,100.00	6,732.54	7,087.71	6,720.04	37.39	38.19	-111.11	-1,743.81	663.79	1,316.68	1,243.44	73.24	17.979		
7,167.46	6,800.00	7,167.68	6,800.00	37.46	38.27	89.21	-1,744.85	664.19	1,317.29	1,243.91	73.38	17.951		
7,200.00	6,832.54	7,200.21	6,832.54	37.48	38.29	89.21	-1,744.85	664.19	1,317.29	1,243.85	73.44	17.938		
7,300.00	6,932.54	7,300.21	6,932.54	37.56	38.36	89.21	-1,744.85	664.19	1,317.29	1,243.70	73.58	17.902		
7,400.00	7,032.54	7,400.21	7,032.54	37.63	38.44	89.21	-1,744.85	664.19	1,317.29	1,243.55	73.74	17.865		
7,500.00	7,132.54	7,500.21	7,132.54	37.70	38.51	89.21	-1,744.85	664.19	1,317.29	1,243.40	73.89	17.828		
7,600.00	7,232.54	7,600.21	7,232.54	37.78	38.59	89.21	-1,744.85	664.19	1,317.29	1,243.24	74.05	17.790		
7,700.00	7,332.54	7,700.21	7,332.54	37.86	38.66	89.21	-1,744.85	664.19	1,317.29	1,243.08	74.20	17.752		
7,800.00	7,432.54	7,800.21	7,432.54	37.93	38.74	89.21	-1,744.85	664.19	1,317.29	1,242.92	74.37	17.714		
7,900.00	7,532.54	7,900.21	7,532.54	38.01	38.82	89.21	-1,744.85	664.19	1,317.29	1,242.76	74.53	17.675		
8,000.00	7,632.54	8,000.21	7,632.54	38.09	38.90	89.21	-1,744.85	664.19	1,317.29	1,242.59	74.70	17.636		
8,100.00	7,732.54	8,100.21	7,732.54	38.18	38.98	89.21	-1,744.85	664.19	1,317.29	1,242.42	74.86	17.596		
8,200.00	7,832.54	8,200.21	7,832.54	38.26	39.06	89.21	-1,744.85	664.19	1,317.29	1,242.25	75.03	17.556		
8,300.00	7,932.54	8,300.21	7,932.54	38.34	39.15	89.21	-1,744.85	664.19	1,317.29	1,242.08	75.21	17.515		
8,400.00	8,032.54	8,400.21	8,032.54	38.43	39.23	89.21	-1,744.85	664.19	1,317.29	1,241.91	75.38	17.475		
8,500.00	8,132.54	8,500.21	8,132.54	38.51	39.32	89.21	-1,744.85	664.19	1,317.29	1,241.73	75.56	17.434		
8,600.00	8,232.54	8,600.21	8,232.54	38.60	39.40	89.21	-1,744.85	664.19	1,317.29	1,241.55	75.74	17.392		
8,700.00	8,332.54	8,700.21	8,332.54	38.69	39.49	89.21	-1,744.85	664.19	1,317.29	1,241.37	75.92	17.350		
8,800.00	8,432.54	8,800.21	8,432.54	38.78	39.58	89.21	-1,744.85	664.19	1,317.29	1,241.18	76.11	17.308		
8,844.89	8,477.43	8,845.11	8,477.43	38.82	39.62	89.21	-1,744.85	664.19	1,317.29	1,241.10	76.19	17.289		
8,869.46	8,502.00	8,865.68	8,498.00	38.84	39.64	89.21	-1,744.85	664.19	1,317.29	1,241.06	76.23	17.280		



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.70	0.00	43.70				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	43.70	0.00	43.70	43.51	0.19	228.757	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	43.70	0.00	43.70	43.06	0.64	68.226	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	43.70	0.00	43.70	42.61	1.09	40.092	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	43.70	0.00	43.70	42.16	1.54	28.386	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	43.70	0.00	43.70	41.72	1.99	21.971	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	43.70	0.00	43.70	41.27	2.44	17.921	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	43.70	0.00	43.70	40.82	2.89	15.132	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	43.70	0.00	43.70	40.37	3.34	13.094	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	43.70	0.00	43.70	39.92	3.79	11.540	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	43.70	0.00	43.70	39.47	4.24	10.315	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	43.70	0.00	43.70	39.02	4.69	9.326	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	43.70	0.00	43.70	38.57	5.14	8.510	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	43.70	0.00	43.70	38.12	5.59	7.825	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	43.70	0.00	43.70	37.67	6.03	7.242 CC, ES	
1,500.00	1,499.98	1,499.68	1,499.66	3.21	3.23	162.58	43.97	1.71	45.66	39.22	6.44	7.089 SF	
1,600.00	1,599.84	1,598.82	1,598.66	3.39	3.44	169.85	44.75	6.82	52.14	45.33	6.81	7.656	
1,700.00	1,699.45	1,696.90	1,696.37	3.57	3.65	178.43	46.04	15.19	64.25	57.07	7.18	8.948	
1,800.00	1,798.70	1,793.42	1,792.18	3.78	3.88	-174.03	47.81	26.66	82.66	75.11	7.55	10.946	
1,900.00	1,897.47	1,887.91	1,885.56	4.01	4.12	-168.23	50.01	40.97	107.41	99.48	7.93	13.549	
2,000.00	1,995.62	1,979.96	1,976.01	4.28	4.39	-163.96	52.61	57.82	138.22	129.91	8.31	16.633	
2,100.00	2,093.06	2,069.19	2,063.12	4.59	4.68	-160.81	55.54	76.90	174.77	166.07	8.70	20.081	
2,200.00	2,189.64	2,155.29	2,146.57	4.96	4.99	-158.43	58.77	97.84	216.73	207.62	9.11	23.791	
2,300.00	2,285.27	2,238.00	2,226.10	5.38	5.34	-156.56	62.22	120.27	263.77	254.24	9.53	27.677	
2,400.00	2,379.82	2,317.11	2,301.52	5.87	5.70	-155.03	65.85	143.85	315.61	305.64	9.97	31.664	
2,500.00	2,473.17	2,392.46	2,372.73	6.42	6.08	-153.72	69.61	168.22	371.96	361.53	10.42	35.681	
2,600.00	2,565.21	2,463.97	2,439.68	7.05	6.49	-152.55	73.43	193.04	432.52	421.62	10.91	39.657	
2,614.12	2,578.10	2,473.75	2,448.79	7.14	6.55	-152.39	73.97	196.57	441.40	430.43	10.98	40.216	
2,700.00	2,656.38	2,532.19	2,502.95	7.72	6.91	-152.06	77.31	218.26	496.17	484.67	11.50	43.137	
2,800.00	2,747.53	2,600.00	2,565.21	8.43	7.36	-151.63	81.40	244.79	561.31	549.17	12.14	46.235	
2,900.00	2,838.69	2,664.55	2,623.91	9.15	7.82	-151.20	85.49	271.35	627.80	615.00	12.80	49.031	
3,000.00	2,929.84	2,738.76	2,691.19	9.88	8.38	-150.76	90.25	302.30	694.72	681.20	13.52	51.371	
3,100.00	3,020.99	2,812.97	2,758.47	10.63	8.95	-150.40	95.02	333.24	761.67	747.41	14.26	53.427	
3,200.00	3,112.15	2,887.18	2,825.75	11.38	9.53	-150.09	99.78	364.19	828.62	813.62	15.00	55.231	
3,300.00	3,203.30	2,961.39	2,893.03	12.15	10.12	-149.83	104.55	395.14	895.59	879.83	15.76	56.823	
3,400.00	3,294.45	3,035.60	2,960.31	12.91	10.71	-149.61	109.31	426.09	962.57	946.04	16.53	58.239	
3,500.00	3,385.61	3,109.81	3,027.59	13.69	11.32	-149.41	114.08	457.03	1,029.55	1,012.25	17.30	59.504	
3,600.00	3,476.76	3,184.02	3,094.87	14.47	11.93	-149.24	118.84	487.98	1,096.54	1,078.45	18.08	60.634	
3,700.00	3,567.91	3,258.23	3,162.15	15.25	12.54	-149.09	123.61	518.93	1,163.53	1,144.66	18.87	61.652	
3,800.00	3,659.06	3,332.44	3,229.43	16.03	13.16	-148.96	128.37	549.87	1,230.53	1,210.86	19.67	62.572	
3,900.00	3,750.22	3,406.65	3,296.71	16.82	13.78	-148.84	133.14	580.82	1,297.53	1,277.07	20.46	63.408	
4,000.00	3,841.37	3,480.85	3,363.99	17.61	14.41	-148.73	137.90	611.77	1,364.53	1,343.27	21.26	64.169	
4,100.00	3,932.52	3,555.06	3,431.27	18.41	15.04	-148.63	142.67	642.71	1,431.54	1,409.47	22.07	64.864	
4,200.00	4,023.68	3,629.27	3,498.55	19.20	15.67	-148.54	147.43	673.66	1,498.55	1,475.67	22.88	65.503	
4,300.00	4,114.83	3,703.48	3,565.83	20.00	16.30	-148.46	152.20	704.61	1,565.56	1,541.87	23.69	66.091	
4,400.00	4,205.98	3,777.69	3,633.10	20.79	16.93	-148.38	156.96	735.56	1,632.57	1,608.07	24.50	66.634	
4,500.00	4,297.13	3,851.90	3,700.38	21.59	17.57	-148.31	161.73	766.50	1,699.58	1,674.26	25.32	67.116	
4,600.00	4,388.29	3,926.11	3,767.66	22.39	18.21	-148.25	166.49	797.45	1,766.60	1,740.45	26.15	67.561	
4,700.00	4,479.44	4,000.32	3,834.94	23.19	18.85	-148.19	171.26	828.40	1,833.61	1,806.64	26.98	67.974	
4,800.00	4,570.59	4,074.53	3,902.22	23.99	19.49	-148.14	176.02	859.34	1,900.63	1,872.82	27.81	68.355	
4,900.00	4,661.75	4,148.74	3,969.50	24.79	20.13	-148.08	180.79	890.29	1,967.65	1,939.01	28.64	68.710	
5,000.00	4,752.90	4,222.95	4,036.78	25.60	20.77	-148.04	185.55	921.24	2,034.66	2,005.19	29.47	69.042	

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



Weatherford International Ltd.
Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,844.05	4,297.15	4,104.06	26.40	21.41	-147.99	190.32	952.18	2,101.68	2,071.38	30.31	69.351	
5,200.00	4,935.21	4,371.36	4,171.34	27.20	22.06	-147.95	195.08	983.13	2,168.70	2,137.56	31.14	69.640	
5,300.00	5,026.36	4,448.43	4,241.22	28.01	22.72	-147.91	200.03	1,015.27	2,235.72	2,203.73	31.99	69.889	
5,400.00	5,117.51	4,674.06	4,449.45	28.81	24.21	-147.96	213.23	1,100.99	2,300.20	2,266.94	33.27	69.145	
5,500.00	5,208.66	4,925.03	4,688.27	29.62	25.53	-148.35	224.93	1,176.99	2,359.23	2,324.74	34.50	68.391	
5,600.00	5,299.82	5,201.35	4,957.85	30.42	26.61	-149.10	234.08	1,236.42	2,411.93	2,376.29	35.65	67.662	
5,700.00	5,390.97	5,501.17	5,255.42	31.23	27.34	-150.23	239.49	1,271.55	2,457.45	2,420.80	36.65	67.054	
5,800.00	5,482.12	5,728.02	5,482.12	32.04	27.62	-151.29	240.46	1,277.82	2,495.69	2,458.30	37.39	66.753	
5,900.00	5,573.28	5,819.17	5,573.28	32.84	27.70	-151.73	240.46	1,277.82	2,532.55	2,494.58	37.97	66.695	
5,953.34	5,621.90	5,867.79	5,621.90	33.28	27.75	-151.96	240.46	1,277.82	2,552.27	2,513.98	38.28	66.669	
6,000.00	5,664.58	5,910.48	5,664.58	33.59	27.79	-152.32	240.46	1,277.82	2,569.23	2,530.53	38.70	66.394	
6,100.00	5,757.07	6,002.96	5,757.07	34.14	27.88	-153.04	240.46	1,277.82	2,603.54	2,564.03	39.51	65.899	
6,200.00	5,850.82	6,096.71	5,850.82	34.65	27.97	-153.67	240.46	1,277.82	2,635.00	2,594.73	40.27	65.428	
6,300.00	5,945.73	6,191.63	5,945.73	35.13	28.07	-154.23	240.46	1,277.82	2,663.56	2,622.57	40.99	64.981	
6,400.00	6,041.68	6,287.58	6,041.68	35.56	28.16	-154.72	240.46	1,277.82	2,689.15	2,647.49	41.65	64.558	
6,500.00	6,138.56	6,384.45	6,138.56	35.96	28.26	-155.13	240.46	1,277.82	2,711.72	2,669.46	42.26	64.160	
6,600.00	6,236.24	6,482.13	6,236.24	36.31	28.36	-155.49	240.46	1,277.82	2,731.23	2,688.41	42.82	63.785	
6,700.00	6,334.61	6,580.50	6,334.61	36.62	28.47	-155.78	240.46	1,277.82	2,747.64	2,704.32	43.32	63.433	
6,800.00	6,433.54	6,679.44	6,433.54	36.88	28.57	-156.01	240.46	1,277.82	2,760.92	2,717.16	43.75	63.103	
6,900.00	6,532.92	6,778.82	6,532.92	37.10	28.68	-156.19	240.46	1,277.82	2,771.04	2,726.91	44.13	62.791	
7,000.00	6,632.63	6,878.53	6,632.63	37.27	28.79	-156.31	240.46	1,277.82	2,777.98	2,733.53	44.45	62.498	
7,100.00	6,732.54	6,978.44	6,732.54	37.39	28.90	-156.37	240.46	1,277.82	2,781.74	2,737.03	44.71	62.220	
7,167.46	6,800.00	7,045.89	6,800.00	37.46	28.98	43.94	240.46	1,277.82	2,782.46	2,737.61	44.85	62.035	
7,200.00	6,832.54	7,078.43	6,832.54	37.48	29.01	43.94	240.46	1,277.82	2,782.46	2,737.52	44.94	61.915	
7,300.00	6,932.54	7,178.43	6,932.54	37.56	29.13	43.94	240.46	1,277.82	2,782.46	2,737.26	45.20	61.556	
7,400.00	7,032.54	7,278.43	7,032.54	37.63	29.24	43.94	240.46	1,277.82	2,782.46	2,737.00	45.47	61.197	
7,500.00	7,132.54	7,378.43	7,132.54	37.70	29.36	43.94	240.46	1,277.82	2,782.46	2,736.73	45.74	60.838	
7,600.00	7,232.54	7,478.43	7,232.54	37.78	29.47	43.94	240.46	1,277.82	2,782.46	2,736.46	46.01	60.480	
7,700.00	7,332.54	7,578.43	7,332.54	37.86	29.59	43.94	240.46	1,277.82	2,782.46	2,736.18	46.28	60.122	
7,800.00	7,432.54	7,678.43	7,432.54	37.93	29.71	43.94	240.46	1,277.82	2,782.46	2,735.91	46.56	59.765	
7,900.00	7,532.54	7,778.43	7,532.54	38.01	29.83	43.94	240.46	1,277.82	2,782.46	2,735.63	46.84	59.409	
8,000.00	7,632.54	7,878.43	7,632.54	38.09	29.95	43.94	240.46	1,277.82	2,782.46	2,735.35	47.12	59.054	
8,100.00	7,732.54	7,978.43	7,732.54	38.18	30.08	43.94	240.46	1,277.82	2,782.46	2,735.06	47.40	58.700	
8,200.00	7,832.54	8,078.43	7,832.54	38.26	30.20	43.94	240.46	1,277.82	2,782.46	2,734.78	47.69	58.347	
8,300.00	7,932.54	8,178.43	7,932.54	38.34	30.33	43.94	240.46	1,277.82	2,782.46	2,734.49	47.98	57.995	
8,400.00	8,032.54	8,278.43	8,032.54	38.43	30.45	43.94	240.46	1,277.82	2,782.46	2,734.20	48.27	57.645	
8,444.87	8,077.41	8,323.30	8,077.41	38.47	30.51	43.94	240.46	1,277.82	2,782.46	2,734.06	48.40	57.488	
8,500.00	8,132.54	8,338.89	8,093.00	38.51	30.53	43.94	240.46	1,277.82	2,782.75	2,734.25	48.50	57.376	
8,600.00	8,232.54	8,338.89	8,093.00	38.60	30.53	43.94	240.46	1,277.82	2,785.96	2,737.32	48.64	57.280	
8,700.00	8,332.54	8,338.89	8,093.00	38.69	30.53	43.94	240.46	1,277.82	2,792.76	2,743.98	48.78	57.257	
8,800.00	8,432.54	8,338.89	8,093.00	38.78	30.53	43.94	240.46	1,277.82	2,803.10	2,754.19	48.92	57.305	
8,869.46	8,502.00	8,338.89	8,093.00	38.84	30.53	43.94	240.46	1,277.82	2,812.36	2,763.35	49.01	57.379	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-14.59	0.00	14.59				
100.00	100.00	100.00	100.00	0.10	0.10	180.00	-14.59	0.00	14.59	14.40	0.19	76.356	
200.00	200.00	200.00	200.00	0.32	0.32	180.00	-14.59	0.00	14.59	13.95	0.64	22.773	
300.00	300.00	300.00	300.00	0.55	0.55	180.00	-14.59	0.00	14.59	13.50	1.09	13.382	
400.00	400.00	400.00	400.00	0.77	0.77	180.00	-14.59	0.00	14.59	13.05	1.54	9.475	
500.00	500.00	500.00	500.00	0.99	0.99	180.00	-14.59	0.00	14.59	12.60	1.99	7.334	
600.00	600.00	600.00	600.00	1.22	1.22	180.00	-14.59	0.00	14.59	12.15	2.44	5.982	
700.00	700.00	700.00	700.00	1.44	1.44	180.00	-14.59	0.00	14.59	11.70	2.89	5.051	
800.00	800.00	800.00	800.00	1.67	1.67	180.00	-14.59	0.00	14.59	11.25	3.34	4.371	
900.00	900.00	900.00	900.00	1.89	1.89	180.00	-14.59	0.00	14.59	10.80	3.79	3.852	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	180.00	-14.59	0.00	14.59	10.35	4.24	3.443	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	180.00	-14.59	0.00	14.59	9.90	4.69	3.113	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	180.00	-14.59	0.00	14.59	9.45	5.14	2.840	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	180.00	-14.59	0.00	14.59	9.00	5.59	2.612	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	180.00	-14.59	0.00	14.59	8.55	6.03	2.417 CC	
1,500.00	1,499.98	1,499.49	1,499.47	3.21	3.21	-22.78	-16.32	0.03	14.70	8.28	6.42	2.288 ES	
1,600.00	1,599.84	1,598.95	1,598.79	3.39	3.38	-29.88	-21.49	0.11	15.20	8.44	6.76	2.248 SF	
1,700.00	1,699.45	1,698.37	1,697.83	3.57	3.56	-40.44	-30.11	0.26	16.50	9.38	7.12	2.318	
1,800.00	1,798.70	1,797.72	1,796.44	3.78	3.77	-52.20	-42.15	0.46	19.08	11.58	7.50	2.543	
1,900.00	1,897.47	1,896.97	1,894.48	4.01	3.99	-62.87	-57.58	0.71	23.25	15.30	7.94	2.926	
2,000.00	1,995.62	1,996.11	1,991.81	4.28	4.25	-71.37	-76.37	1.02	29.07	20.60	8.47	3.434	
2,100.00	2,093.06	2,095.10	2,088.30	4.59	4.56	-77.72	-98.49	1.39	36.46	27.38	9.08	4.015	
2,200.00	2,189.64	2,193.94	2,183.82	4.96	4.92	-82.36	-123.89	1.81	45.33	35.53	9.80	4.625	
2,300.00	2,285.27	2,292.60	2,278.23	5.38	5.33	-85.76	-152.50	2.28	55.59	44.95	10.64	5.224	
2,400.00	2,379.82	2,391.06	2,371.41	5.87	5.81	-88.28	-184.29	2.81	67.17	55.57	11.60	5.788	
2,500.00	2,473.17	2,489.31	2,463.25	6.42	6.35	-90.16	-219.18	3.38	80.03	67.33	12.70	6.302	
2,600.00	2,565.21	2,587.62	2,553.96	7.05	6.94	-91.68	-257.08	4.01	94.07	80.15	13.92	6.757	
2,614.12	2,578.10	2,601.59	2,566.80	7.14	7.03	-91.95	-262.57	4.10	96.10	82.00	14.10	6.813	
2,700.00	2,656.38	2,686.51	2,644.87	7.72	7.59	-93.72	-295.97	4.66	108.54	93.28	15.25	7.116	
2,800.00	2,747.53	2,785.38	2,735.78	8.43	8.25	-95.33	-334.86	5.30	123.12	106.49	16.62	7.406	
2,900.00	2,838.69	2,884.26	2,826.69	9.15	8.94	-96.60	-373.74	5.94	137.77	119.75	18.03	7.642	
3,000.00	2,929.84	2,983.14	2,917.60	9.88	9.63	-97.63	-412.63	6.59	152.48	133.03	19.46	7.837	
3,100.00	3,020.99	3,082.02	3,008.50	10.63	10.34	-98.47	-451.52	7.23	167.23	146.32	20.91	7.999	
3,200.00	3,112.15	3,180.90	3,099.41	11.38	11.05	-99.18	-490.40	7.87	182.01	159.64	22.37	8.136	
3,300.00	3,203.30	3,279.78	3,190.32	12.15	11.77	-99.78	-529.29	8.52	196.81	172.96	23.85	8.252	
3,400.00	3,294.45	3,378.66	3,281.23	12.91	12.50	-100.30	-568.18	9.16	211.63	186.29	25.34	8.352	
3,500.00	3,385.61	3,477.54	3,372.14	13.69	13.24	-100.74	-607.07	9.80	226.47	199.63	26.84	8.439	
3,600.00	3,476.76	3,576.42	3,463.05	14.47	13.97	-101.14	-645.95	10.45	241.31	212.97	28.34	8.514	
3,700.00	3,567.91	3,675.30	3,553.96	15.25	14.71	-101.49	-684.84	11.09	256.17	226.32	29.85	8.581	
3,800.00	3,659.06	3,774.17	3,644.87	16.03	15.46	-101.80	-723.73	11.73	271.03	239.66	31.37	8.640	
3,900.00	3,750.22	3,873.05	3,735.78	16.82	16.20	-102.08	-762.62	12.38	285.91	253.01	32.89	8.693	
4,000.00	3,841.37	3,971.98	3,826.73	17.61	16.95	-102.33	-801.52	13.02	300.78	266.37	34.41	8.741	
4,100.00	3,932.52	4,072.14	3,919.54	18.41	17.52	-102.90	-839.17	13.64	315.45	279.70	35.75	8.824	
4,200.00	4,023.68	4,172.10	4,013.41	19.20	18.03	-104.03	-873.48	14.21	329.79	292.78	37.01	8.911	
4,300.00	4,114.83	4,271.60	4,107.99	20.00	18.51	-105.64	-904.37	14.72	344.00	305.80	38.19	9.006	
4,400.00	4,205.98	4,370.41	4,202.92	20.79	18.96	-107.66	-931.77	15.17	358.32	319.04	39.28	9.122	
4,500.00	4,297.13	4,468.31	4,297.86	21.59	19.36	-110.02	-955.68	15.57	373.06	332.81	40.25	9.269	
4,600.00	4,388.29	4,565.09	4,392.45	22.39	19.72	-112.67	-976.11	15.91	388.56	347.48	41.07	9.460	
4,700.00	4,479.44	4,660.55	4,486.37	23.19	20.03	-115.53	-993.13	16.19	405.16	363.42	41.74	9.708	
4,800.00	4,570.59	4,754.51	4,579.33	23.99	20.31	-118.55	-1,006.81	16.42	423.22	380.99	42.23	10.022	
4,900.00	4,661.75	4,846.80	4,671.02	24.79	20.53	-121.65	-1,017.27	16.59	443.08	400.53	42.55	10.414	
5,000.00	4,752.90	4,937.29	4,761.20	25.60	20.72	-124.80	-1,024.66	16.71	465.03	422.33	42.70	10.892	

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



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,844.05	5,025.85	4,849.65	26.40	20.87	-127.93	-1,029.13	16.79	489.34	446.64	42.69	11.462	
5,200.00	4,935.21	5,112.38	4,936.15	27.20	20.98	-131.00	-1,030.85	16.81	516.20	473.64	42.56	12.128	
5,300.00	5,026.36	5,202.59	5,026.36	28.01	21.07	-134.08	-1,030.89	16.81	545.36	503.06	42.30	12.893	
5,400.00	5,117.51	5,293.74	5,117.51	28.81	21.17	-136.90	-1,030.89	16.81	575.99	533.97	42.02	13.706	
5,500.00	5,208.66	5,384.89	5,208.66	29.62	21.26	-139.45	-1,030.89	16.81	607.87	566.10	41.77	14.554	
5,600.00	5,299.82	5,476.04	5,299.82	30.42	21.35	-141.77	-1,030.89	16.81	640.80	599.26	41.53	15.428	
5,700.00	5,390.97	5,567.20	5,390.97	31.23	21.45	-143.86	-1,030.89	16.81	674.62	633.26	41.37	16.309	
5,800.00	5,482.12	5,658.35	5,482.12	32.04	21.55	-145.77	-1,030.89	16.81	709.22	667.96	41.27	17.186	
5,900.00	5,573.28	5,749.50	5,573.28	32.84	21.65	-147.51	-1,030.89	16.81	744.49	703.28	41.21	18.068	
5,953.34	5,621.90	5,798.13	5,621.90	33.28	21.70	-148.37	-1,030.89	16.81	763.54	722.35	41.19	18.538	
6,000.00	5,664.58	5,840.81	5,664.58	33.59	21.75	-149.26	-1,030.89	16.81	780.02	738.87	41.15	18.957	
6,100.00	5,757.07	5,933.29	5,757.07	34.14	21.85	-150.95	-1,030.89	16.81	813.60	772.53	41.06	19.813	
6,200.00	5,850.82	6,027.05	5,850.82	34.65	21.96	-152.39	-1,030.89	16.81	844.63	803.59	41.05	20.578	
6,300.00	5,945.73	6,121.96	5,945.73	35.13	22.07	-153.60	-1,030.89	16.81	872.97	831.90	41.08	21.253	
6,400.00	6,041.68	6,217.91	6,041.68	35.56	22.18	-154.62	-1,030.89	16.81	898.49	857.35	41.14	21.839	
6,500.00	6,138.56	6,314.79	6,138.56	35.96	22.30	-155.47	-1,030.89	16.81	921.08	879.86	41.23	22.341	
6,600.00	6,236.24	6,412.47	6,236.24	36.31	22.41	-156.17	-1,030.89	16.81	940.67	899.34	41.33	22.760	
6,700.00	6,334.61	6,510.84	6,334.61	36.62	22.53	-156.74	-1,030.89	16.81	957.18	915.75	41.44	23.101	
6,800.00	6,433.54	6,609.77	6,433.54	36.88	22.65	-157.18	-1,030.89	16.81	970.56	929.02	41.54	23.364	
6,900.00	6,532.92	6,709.15	6,532.92	37.10	22.78	-157.51	-1,030.89	16.81	980.78	939.14	41.64	23.554	
7,000.00	6,632.63	6,808.86	6,632.63	37.27	22.90	-157.73	-1,030.89	16.81	987.79	946.06	41.73	23.670	
7,100.00	6,732.54	6,908.77	6,732.54	37.39	23.03	-157.85	-1,030.89	16.81	991.59	949.78	41.81	23.715	
7,167.46	6,800.00	6,976.23	6,800.00	37.46	23.12	42.45	-1,030.89	16.81	992.33	950.46	41.87	23.703	
7,200.00	6,832.54	7,008.76	6,832.54	37.48	23.16	42.45	-1,030.89	16.81	992.33	950.37	41.96	23.651	
7,300.00	6,932.54	7,108.76	6,932.54	37.56	23.29	42.45	-1,030.89	16.81	992.33	950.09	42.23	23.496	
7,400.00	7,032.54	7,208.76	7,032.54	37.63	23.42	42.45	-1,030.89	16.81	992.33	949.81	42.51	23.342	
7,500.00	7,132.54	7,308.76	7,132.54	37.70	23.56	42.45	-1,030.89	16.81	992.33	949.53	42.80	23.188	
7,600.00	7,232.54	7,408.76	7,232.54	37.78	23.69	42.45	-1,030.89	16.81	992.33	949.25	43.08	23.034	
7,700.00	7,332.54	7,508.76	7,332.54	37.86	23.83	42.45	-1,030.89	16.81	992.33	948.96	43.37	22.881	
7,800.00	7,432.54	7,608.76	7,432.54	37.93	23.97	42.45	-1,030.89	16.81	992.33	948.67	43.66	22.729	
7,900.00	7,532.54	7,708.76	7,532.54	38.01	24.11	42.45	-1,030.89	16.81	992.33	948.37	43.95	22.577	
8,000.00	7,632.54	7,808.76	7,632.54	38.09	24.25	42.45	-1,030.89	16.81	992.33	948.08	44.25	22.427	
8,100.00	7,732.54	7,908.76	7,732.54	38.18	24.39	42.45	-1,030.89	16.81	992.33	947.78	44.55	22.276	
8,200.00	7,832.54	8,008.76	7,832.54	38.26	24.53	42.45	-1,030.89	16.81	992.33	947.48	44.85	22.127	
8,300.00	7,932.54	8,108.76	7,932.54	38.34	24.67	42.45	-1,030.89	16.81	992.33	947.18	45.15	21.978	
8,400.00	8,032.54	8,208.76	8,032.54	38.43	24.82	42.45	-1,030.89	16.81	992.33	946.87	45.46	21.831	
8,448.29	8,080.82	8,257.05	8,080.82	38.47	24.89	42.45	-1,030.89	16.81	992.33	946.72	45.60	21.759	
8,500.00	8,132.54	8,273.23	8,097.00	38.51	24.91	42.45	-1,030.89	16.81	992.96	947.26	45.70	21.726	
8,600.00	8,232.54	8,273.23	8,097.00	38.60	24.91	42.45	-1,030.89	16.81	1,001.54	955.70	45.84	21.847	
8,700.00	8,332.54	8,273.23	8,097.00	38.69	24.91	42.45	-1,030.89	16.81	1,019.90	973.91	45.98	22.179	
8,800.00	8,432.54	8,273.23	8,097.00	38.78	24.91	42.45	-1,030.89	16.81	1,047.52	1,001.39	46.13	22.710	
8,869.46	8,502.00	8,273.23	8,097.00	38.84	24.91	42.45	-1,030.89	16.81	1,071.79	1,025.56	46.23	23.186	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.28	0.00	58.28				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	58.28	0.00	58.28	58.09	0.19	305.069	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	58.28	0.00	58.28	57.64	0.64	90.986	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	58.28	0.00	58.28	57.19	1.09	53.466	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	58.28	0.00	58.28	56.74	1.54	37.855	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	58.28	0.00	58.28	56.29	1.99	29.300	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	58.28	0.00	58.28	55.85	2.44	23.899	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	58.28	0.00	58.28	55.40	2.89	20.180	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	58.28	0.00	58.28	54.95	3.34	17.462	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	58.28	0.00	58.28	54.50	3.79	15.389	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	58.28	0.00	58.28	54.05	4.24	13.756	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	58.28	0.00	58.28	53.60	4.69	12.437	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	58.28	0.00	58.28	53.15	5.14	11.348	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	58.28	0.00	58.28	52.70	5.59	10.435	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	58.28	0.00	58.28	52.25	6.03	9.658 CC, ES	
1,500.00	1,499.98	1,498.31	1,498.29	3.21	3.24	161.19	59.61	1.05	61.29	54.84	6.45	9.507 SF	
1,600.00	1,599.84	1,595.94	1,595.79	3.39	3.45	164.94	63.54	4.15	70.51	63.68	6.82	10.331	
1,700.00	1,699.45	1,692.22	1,691.72	3.57	3.67	169.35	69.97	9.23	86.30	79.10	7.20	11.989	
1,800.00	1,798.70	1,786.53	1,785.36	3.78	3.89	173.33	78.72	16.13	108.82	101.25	7.56	14.388	
1,900.00	1,897.47	1,878.29	1,876.07	4.01	4.13	176.51	89.55	24.68	137.97	130.05	7.92	17.425	
2,000.00	1,995.62	1,966.99	1,963.29	4.28	4.38	178.93	102.18	34.65	173.52	165.26	8.26	21.003	
2,100.00	2,093.06	2,052.20	2,046.58	4.59	4.64	-179.24	116.30	45.80	215.16	206.57	8.59	25.037	
2,200.00	2,189.64	2,133.56	2,125.57	4.96	4.92	-177.84	131.60	57.88	262.57	253.65	8.91	29.455	
2,300.00	2,285.27	2,210.81	2,200.03	5.38	5.22	-176.74	147.74	70.62	315.39	306.17	9.22	34.199	
2,400.00	2,379.82	2,283.73	2,269.78	5.87	5.53	-175.86	164.42	83.79	373.29	363.77	9.52	39.209	
2,500.00	2,473.17	2,352.20	2,334.76	6.42	5.85	-175.14	181.35	97.16	435.92	426.11	9.81	44.441	
2,600.00	2,565.21	2,420.05	2,398.67	7.05	6.19	-174.49	199.23	111.27	502.83	492.74	10.09	49.811	
2,614.12	2,578.10	2,430.30	2,408.31	7.14	6.24	-174.40	201.96	113.43	512.53	502.40	10.14	50.560	
2,700.00	2,656.38	2,492.50	2,466.82	7.72	6.57	-174.08	218.55	126.53	571.70	561.18	10.52	54.360	
2,800.00	2,747.53	2,564.94	2,534.94	8.43	6.97	-173.77	237.87	141.78	640.60	629.63	10.97	58.375	
2,900.00	2,838.69	2,637.37	2,603.07	9.15	7.38	-173.53	257.19	157.03	709.52	698.07	11.44	62.019	
3,000.00	2,929.84	2,709.81	2,671.19	9.88	7.80	-173.33	276.51	172.29	778.43	766.52	11.92	65.330	
3,100.00	3,020.99	2,782.24	2,739.31	10.63	8.23	-173.16	295.83	187.54	847.35	834.95	12.40	68.334	
3,200.00	3,112.15	2,854.68	2,807.44	11.38	8.66	-173.02	315.15	202.79	916.28	903.39	12.89	71.071	
3,300.00	3,203.30	2,927.11	2,875.56	12.15	9.10	-172.89	334.47	218.05	985.21	971.82	13.39	73.576	
3,400.00	3,294.45	2,999.55	2,943.69	12.91	9.55	-172.79	353.80	233.30	1,054.14	1,040.24	13.89	75.873	
3,500.00	3,385.61	3,071.98	3,011.81	13.69	10.00	-172.69	373.12	248.55	1,123.07	1,108.66	14.40	77.974	
3,600.00	3,476.76	3,144.42	3,079.93	14.47	10.45	-172.61	392.44	263.80	1,192.00	1,177.08	14.92	79.911	
3,700.00	3,567.91	3,216.85	3,148.06	15.25	10.91	-172.53	411.76	279.06	1,260.93	1,245.50	15.43	81.700	
3,800.00	3,659.06	3,289.29	3,216.18	16.03	11.37	-172.47	431.08	294.31	1,329.87	1,313.91	15.95	83.353	
3,900.00	3,750.22	3,361.72	3,284.31	16.82	11.83	-172.41	450.40	309.56	1,398.80	1,382.33	16.48	84.882	
4,000.00	3,841.37	3,434.16	3,352.43	17.61	12.29	-172.35	469.72	324.82	1,467.74	1,450.73	17.01	86.304	
4,100.00	3,932.52	3,506.59	3,420.55	18.41	12.76	-172.31	489.04	340.07	1,536.68	1,519.14	17.54	87.628	
4,200.00	4,023.68	3,579.03	3,488.68	19.20	13.23	-172.26	508.36	355.32	1,605.62	1,587.55	18.07	88.861	
4,300.00	4,114.83	3,651.46	3,556.80	20.00	13.70	-172.22	527.68	370.57	1,674.55	1,655.95	18.60	90.012	
4,400.00	4,205.98	3,723.90	3,624.93	20.79	14.17	-172.18	547.00	385.83	1,743.49	1,724.35	19.14	91.091	
4,500.00	4,297.13	3,796.33	3,693.05	21.59	14.64	-172.15	566.32	401.08	1,812.43	1,792.75	19.68	92.102	
4,600.00	4,388.29	3,868.77	3,761.17	22.39	15.12	-172.11	585.64	416.33	1,881.37	1,861.15	20.22	93.050	
4,700.00	4,479.44	3,941.20	3,829.30	23.19	15.59	-172.08	604.96	431.59	1,950.31	1,929.55	20.76	93.942	
4,800.00	4,570.59	4,013.64	3,897.42	23.99	16.07	-172.05	624.28	446.84	2,019.25	1,997.95	21.30	94.783	
4,900.00	4,661.75	4,086.07	3,965.55	24.79	16.55	-172.03	643.60	462.09	2,088.19	2,066.34	21.85	95.576	
5,000.00	4,752.90	4,158.50	4,033.67	25.60	17.03	-172.00	662.92	477.34	2,157.13	2,134.74	22.39	96.324	

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



Weatherford International Ltd.
Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,100.00	4,844.05	4,230.94	4,101.79	26.40	17.50	-171.98	682.24	492.60	2,226.07	2,203.13	22.94	97.033	
5,200.00	4,935.21	4,303.37	4,169.92	27.20	17.98	-171.96	701.56	507.85	2,295.01	2,271.52	23.49	97.704	
5,300.00	5,026.36	4,375.81	4,238.04	28.01	18.46	-171.94	720.88	523.10	2,363.95	2,339.91	24.04	98.340	
5,400.00	5,117.51	4,448.24	4,306.17	28.81	18.95	-171.92	740.20	538.36	2,432.89	2,408.30	24.59	98.944	
5,500.00	5,208.66	4,621.51	4,469.91	29.62	19.97	-171.89	784.62	573.43	2,501.50	2,476.14	25.36	98.653	
5,600.00	5,299.82	5,235.78	5,070.97	30.42	22.11	-172.22	879.49	648.32	2,559.52	2,532.66	26.87	95.273	
5,700.00	5,390.97	5,556.14	5,390.97	31.23	22.59	-172.59	888.85	655.71	2,601.80	2,574.07	27.72	93.844	
5,800.00	5,482.12	5,647.29	5,482.12	32.04	22.69	-172.71	888.85	655.71	2,642.64	2,614.39	28.25	93.555	
5,900.00	5,573.28	5,738.45	5,573.28	32.84	22.79	-172.82	888.85	655.71	2,683.49	2,654.72	28.77	93.275	
5,953.34	5,621.90	5,787.07	5,621.90	33.28	22.85	-172.88	888.85	655.71	2,705.29	2,676.24	29.05	93.129	
6,000.00	5,664.58	5,829.75	5,664.58	33.59	22.90	-172.98	888.85	655.71	2,724.01	2,694.57	29.44	92.541	
6,100.00	5,757.07	5,922.24	5,757.07	34.14	23.00	-173.17	888.85	655.71	2,761.79	2,731.57	30.22	91.386	
6,200.00	5,850.82	6,015.99	5,850.82	34.65	23.11	-173.34	888.85	655.71	2,796.35	2,765.39	30.96	90.307	
6,300.00	5,945.73	6,110.90	5,945.73	35.13	23.22	-173.49	888.85	655.71	2,827.64	2,795.98	31.66	89.301	
6,400.00	6,041.68	6,206.85	6,041.68	35.56	23.34	-173.62	888.85	655.71	2,855.63	2,823.31	32.32	88.362	
6,500.00	6,138.56	6,303.73	6,138.56	35.96	23.46	-173.73	888.85	655.71	2,880.27	2,847.35	32.92	87.487	
6,600.00	6,236.24	6,401.41	6,236.24	36.31	23.58	-173.82	888.85	655.71	2,901.53	2,868.06	33.48	86.671	
6,700.00	6,334.61	6,499.78	6,334.61	36.62	23.70	-173.90	888.85	655.71	2,919.40	2,885.42	33.98	85.910	
6,800.00	6,433.54	6,598.71	6,433.54	36.88	23.83	-173.96	888.85	655.71	2,933.84	2,899.41	34.43	85.202	
6,900.00	6,532.92	6,698.10	6,532.92	37.10	23.95	-174.01	888.85	655.71	2,944.84	2,910.01	34.83	84.544	
7,000.00	6,632.63	6,797.80	6,632.63	37.27	24.08	-174.04	888.85	655.71	2,952.38	2,917.20	35.18	83.932	
7,100.00	6,732.54	6,897.71	6,732.54	37.39	24.21	-174.05	888.85	655.71	2,956.46	2,920.99	35.46	83.364	
7,167.46	6,800.00	6,965.17	6,800.00	37.46	24.30	26.27	888.85	655.71	2,957.25	2,921.61	35.63	82.996	
7,200.00	6,832.54	6,997.71	6,832.54	37.48	24.34	26.27	888.85	655.71	2,957.25	2,921.50	35.74	82.739	
7,300.00	6,932.54	7,097.71	6,932.54	37.56	24.48	26.27	888.85	655.71	2,957.25	2,921.17	36.08	81.966	
7,400.00	7,032.54	7,197.71	7,032.54	37.63	24.61	26.27	888.85	655.71	2,957.25	2,920.83	36.42	81.202	
7,500.00	7,132.54	7,297.71	7,132.54	37.70	24.75	26.27	888.85	655.71	2,957.25	2,920.49	36.76	80.448	
7,600.00	7,232.54	7,397.71	7,232.54	37.78	24.88	26.27	888.85	655.71	2,957.25	2,920.14	37.10	79.702	
7,700.00	7,332.54	7,497.71	7,332.54	37.86	25.02	26.27	888.85	655.71	2,957.25	2,919.80	37.45	78.966	
7,800.00	7,432.54	7,597.71	7,432.54	37.93	25.16	26.27	888.85	655.71	2,957.25	2,919.45	37.80	78.239	
7,900.00	7,532.54	7,697.71	7,532.54	38.01	25.30	26.27	888.85	655.71	2,957.25	2,919.10	38.15	77.521	
8,000.00	7,632.54	7,797.71	7,632.54	38.09	25.44	26.27	888.85	655.71	2,957.25	2,918.75	38.50	76.813	
8,100.00	7,732.54	7,897.71	7,732.54	38.18	25.59	26.27	888.85	655.71	2,957.25	2,918.39	38.85	76.113	
8,200.00	7,832.54	7,997.71	7,832.54	38.26	25.73	26.27	888.85	655.71	2,957.25	2,918.04	39.21	75.422	
8,300.00	7,932.54	8,097.71	7,932.54	38.34	25.88	26.27	888.85	655.71	2,957.25	2,917.68	39.57	74.740	
8,400.00	8,032.54	8,197.71	8,032.54	38.43	26.02	26.27	888.85	655.71	2,957.25	2,917.32	39.93	74.068	
8,500.00	8,132.54	8,297.71	8,132.54	38.51	26.17	26.27	888.85	655.71	2,957.25	2,916.96	40.29	73.404	
8,600.00	8,232.54	8,397.71	8,232.54	38.60	26.32	26.27	888.85	655.71	2,957.25	2,916.60	40.65	72.749	
8,700.00	8,332.54	8,497.71	8,332.54	38.69	26.47	26.27	888.85	655.71	2,957.25	2,916.23	41.01	72.102	
8,800.00	8,432.54	8,597.71	8,432.54	38.78	26.62	26.27	888.85	655.71	2,957.25	2,915.87	41.38	71.464	
8,838.21	8,470.75	8,635.92	8,470.75	38.81	26.68	26.27	888.85	655.71	2,957.25	2,915.73	41.52	71.222	
8,869.46	8,502.00	8,649.17	8,484.00	38.84	26.70	26.27	888.85	655.71	2,957.30	2,915.70	41.60	71.090	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.85	0.00	72.85				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	72.85	0.00	72.85	72.66	0.19	381.314	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	72.85	0.00	72.85	72.21	0.64	113.725	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	72.85	0.00	72.85	71.76	1.09	66.828	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	72.85	0.00	72.85	71.31	1.54	47.316	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	72.85	0.00	72.85	70.86	1.99	36.623	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	72.85	0.00	72.85	70.41	2.44	29.873	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	72.85	0.00	72.85	69.96	2.89	25.223	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	72.85	0.00	72.85	69.51	3.34	21.826	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	72.85	0.00	72.85	69.06	3.79	19.235	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	72.85	0.00	72.85	68.61	4.24	17.195	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	72.85	0.00	72.85	68.16	4.69	15.545	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	72.85	0.00	72.85	67.71	5.14	14.185	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	72.85	0.00	72.85	67.27	5.59	13.043	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	72.85	0.00	72.85	66.82	6.03	12.071 CC, ES	
1,500.00	1,499.98	1,501.58	1,501.56	3.21	3.22	159.05	71.74	-1.42	73.40	66.97	6.43	11.408	
1,600.00	1,599.84	1,603.10	1,602.93	3.39	3.41	157.21	68.42	-5.67	75.10	68.31	6.79	11.064	
1,700.00	1,699.45	1,704.50	1,703.93	3.57	3.61	154.33	62.91	-12.75	78.10	70.94	7.16	10.912 SF	
1,800.00	1,798.70	1,805.74	1,804.38	3.78	3.83	150.67	55.21	-22.62	82.57	75.02	7.55	10.937	
1,900.00	1,897.47	1,906.74	1,904.10	4.01	4.08	146.54	45.36	-35.25	88.74	80.76	7.98	11.115	
2,000.00	1,995.62	2,007.46	2,002.92	4.28	4.37	142.23	33.39	-50.60	96.79	88.30	8.48	11.410	
2,100.00	2,093.06	2,107.85	2,100.67	4.59	4.70	137.99	19.34	-68.61	106.83	97.76	9.07	11.783	
2,200.00	2,189.64	2,207.85	2,197.19	4.96	5.09	134.01	3.26	-89.22	118.94	109.18	9.76	12.190	
2,300.00	2,285.27	2,307.13	2,292.12	5.38	5.53	130.48	-14.60	-112.13	133.16	122.60	10.56	12.606	
2,400.00	2,379.82	2,405.63	2,386.12	5.87	6.00	128.37	-32.71	-135.35	149.79	138.34	11.44	13.091	
2,500.00	2,473.17	2,503.83	2,479.82	6.42	6.50	127.56	-50.77	-158.50	168.62	156.25	12.37	13.631	
2,600.00	2,565.21	2,601.60	2,573.12	7.05	7.01	127.66	-68.74	-181.55	189.54	176.21	13.33	14.216	
2,614.12	2,578.10	2,615.37	2,586.26	7.14	7.09	127.74	-71.27	-184.80	192.66	179.19	13.47	14.302	
2,700.00	2,656.38	2,699.05	2,666.11	7.72	7.54	128.45	-86.66	-204.53	211.81	197.45	14.35	14.755	
2,800.00	2,747.53	2,796.49	2,759.09	8.43	8.08	129.14	-104.58	-227.50	234.13	218.73	15.41	15.194	
2,900.00	2,838.69	2,893.93	2,852.08	9.15	8.63	129.70	-122.50	-250.48	256.49	240.00	16.49	15.558	
3,000.00	2,929.84	2,991.37	2,945.06	9.88	9.18	130.18	-140.41	-273.45	278.86	261.28	17.58	15.864	
3,100.00	3,020.99	3,088.81	3,038.04	10.63	9.75	130.58	-158.33	-296.42	301.24	282.56	18.69	16.122	
3,200.00	3,112.15	3,186.25	3,131.03	11.38	10.31	130.93	-176.25	-319.40	323.64	303.84	19.80	16.342	
3,300.00	3,203.30	3,283.70	3,224.01	12.15	10.89	131.23	-194.17	-342.37	346.05	325.12	20.93	16.533	
3,400.00	3,294.45	3,381.14	3,317.00	12.91	11.46	131.50	-212.08	-365.34	368.47	346.40	22.07	16.698	
3,500.00	3,385.61	3,478.58	3,409.98	13.69	12.05	131.74	-230.00	-388.32	390.89	367.69	23.21	16.843	
3,600.00	3,476.76	3,576.02	3,502.96	14.47	12.63	131.95	-247.92	-411.29	413.32	388.97	24.36	16.970	
3,700.00	3,567.91	3,673.46	3,595.95	15.25	13.21	132.13	-265.84	-434.27	435.76	410.25	25.51	17.083	
3,800.00	3,659.06	3,770.90	3,688.93	16.03	13.80	132.30	-283.75	-457.24	458.20	431.53	26.66	17.184	
3,900.00	3,750.22	3,868.34	3,781.92	16.82	14.39	132.46	-301.67	-480.21	480.64	452.81	27.82	17.275	
4,000.00	3,841.37	3,965.79	3,874.90	17.61	14.98	132.60	-319.59	-503.19	503.08	474.10	28.98	17.357	
4,100.00	3,932.52	4,063.23	3,967.88	18.41	15.58	132.73	-337.51	-526.16	525.53	495.38	30.15	17.431	
4,200.00	4,023.68	4,160.67	4,060.87	19.20	16.17	132.85	-355.42	-549.14	547.98	516.66	31.32	17.499	
4,300.00	4,114.83	4,254.97	4,151.10	20.00	16.64	133.03	-372.28	-570.75	570.63	538.28	32.35	17.641	
4,400.00	4,205.98	4,347.68	4,240.60	20.79	17.03	133.49	-387.13	-589.79	594.00	560.76	33.24	17.870	
4,500.00	4,297.13	4,439.68	4,330.14	21.59	17.38	134.18	-400.10	-606.42	618.18	584.15	34.04	18.163	
4,600.00	4,388.29	4,530.78	4,419.44	22.39	17.70	135.07	-411.20	-620.65	643.26	608.53	34.73	18.521	
4,700.00	4,479.44	4,620.83	4,508.22	23.19	17.98	136.13	-420.44	-632.50	669.35	633.99	35.36	18.931	
4,800.00	4,570.59	4,709.66	4,596.22	23.99	18.22	137.33	-427.87	-642.03	696.57	660.67	35.90	19.405	
4,900.00	4,661.75	4,800.00	4,686.06	24.79	18.44	138.68	-433.71	-649.51	725.05	688.71	36.34	19.950	
5,000.00	4,752.90	4,883.12	4,768.94	25.60	18.60	140.03	-437.54	-654.42	754.90	718.19	36.71	20.562	

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



Weatherford International Ltd.
Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,844.05	4,967.50	4,853.23	26.40	18.73	141.47	-439.91	-657.46	786.26	749.25	37.00	21.249	
5,200.00	4,935.21	5,050.19	4,935.91	27.20	18.84	142.96	-440.75	-658.54	819.22	781.99	37.23	22.005	
5,300.00	5,026.36	5,140.64	5,026.36	28.01	18.95	144.56	-440.75	-658.55	853.41	816.02	37.39	22.827	
5,400.00	5,117.51	5,231.80	5,117.51	28.81	19.05	146.06	-440.75	-658.55	888.19	850.64	37.55	23.654	
5,500.00	5,208.66	5,322.95	5,208.66	29.62	19.16	147.45	-440.75	-658.55	923.49	885.77	37.72	24.480	
5,600.00	5,299.82	5,414.10	5,299.82	30.42	19.27	148.74	-440.75	-658.55	959.26	921.35	37.91	25.301	
5,700.00	5,390.97	5,505.26	5,390.97	31.23	19.38	149.94	-440.75	-658.55	995.44	957.32	38.12	26.116	
5,800.00	5,482.12	5,596.41	5,482.12	32.04	19.50	151.06	-440.75	-658.55	1,031.99	993.66	38.33	26.922	
5,900.00	5,573.28	5,687.56	5,573.28	32.84	19.61	152.11	-440.75	-658.55	1,068.87	1,030.31	38.56	27.719	
5,953.34	5,621.90	5,736.18	5,621.90	33.28	19.67	152.64	-440.75	-658.55	1,088.67	1,049.98	38.69	28.139	
6,000.00	5,664.58	5,778.87	5,664.58	33.59	19.73	153.24	-440.75	-658.55	1,105.74	1,066.94	38.80	28.496	
6,100.00	5,757.07	5,871.35	5,757.07	34.14	19.85	154.41	-440.75	-658.55	1,140.36	1,101.33	39.03	29.221	
6,200.00	5,850.82	5,965.11	5,850.82	34.65	19.97	155.42	-440.75	-658.55	1,172.20	1,132.94	39.26	29.854	
6,300.00	5,945.73	6,060.02	5,945.73	35.13	20.09	156.28	-440.75	-658.55	1,201.17	1,161.66	39.51	30.399	
6,400.00	6,041.68	6,155.97	6,041.68	35.56	20.22	157.02	-440.75	-658.55	1,227.18	1,187.41	39.76	30.862	
6,500.00	6,138.56	6,252.84	6,138.56	35.96	20.35	157.64	-440.75	-658.55	1,250.15	1,210.14	40.01	31.248	
6,600.00	6,236.24	6,350.52	6,236.24	36.31	20.49	158.16	-440.75	-658.55	1,270.03	1,229.79	40.24	31.562	
6,700.00	6,334.61	6,448.89	6,334.61	36.62	20.62	158.58	-440.75	-658.55	1,286.77	1,246.31	40.46	31.807	
6,800.00	6,433.54	6,547.83	6,433.54	36.88	20.76	158.91	-440.75	-658.55	1,300.32	1,259.66	40.65	31.986	
6,900.00	6,532.92	6,647.21	6,532.92	37.10	20.90	159.16	-440.75	-658.55	1,310.65	1,269.83	40.83	32.103	
7,000.00	6,632.63	6,746.92	6,632.63	37.27	21.04	159.33	-440.75	-658.55	1,317.75	1,276.77	40.98	32.158	
7,100.00	6,732.54	6,846.83	6,732.54	37.39	21.19	159.42	-440.75	-658.55	1,321.58	1,280.48	41.10	32.154	
7,167.46	6,800.00	6,914.29	6,800.00	37.46	21.28	-0.24	-440.75	-658.55	1,322.33	1,281.15	41.17	32.115	
7,200.00	6,832.54	6,946.82	6,832.54	37.48	21.33	-0.24	-440.75	-658.55	1,322.33	1,281.06	41.27	32.041	
7,300.00	6,932.54	7,046.82	6,932.54	37.56	21.48	-0.24	-440.75	-658.55	1,322.33	1,280.77	41.56	31.817	
7,400.00	7,032.54	7,146.82	7,032.54	37.63	21.63	-0.24	-440.75	-658.55	1,322.33	1,280.47	41.85	31.595	
7,500.00	7,132.54	7,246.82	7,132.54	37.70	21.78	-0.24	-440.75	-658.55	1,322.33	1,280.18	42.15	31.373	
7,600.00	7,232.54	7,346.82	7,232.54	37.78	21.93	-0.24	-440.75	-658.55	1,322.33	1,279.88	42.45	31.152	
7,700.00	7,332.54	7,446.82	7,332.54	37.86	22.08	-0.24	-440.75	-658.55	1,322.33	1,279.58	42.75	30.933	
7,800.00	7,432.54	7,546.82	7,432.54	37.93	22.23	-0.24	-440.75	-658.55	1,322.33	1,279.27	43.05	30.715	
7,900.00	7,532.54	7,646.82	7,532.54	38.01	22.39	-0.24	-440.75	-658.55	1,322.33	1,278.97	43.36	30.498	
8,000.00	7,632.54	7,746.82	7,632.54	38.09	22.54	-0.24	-440.75	-658.55	1,322.33	1,278.66	43.67	30.283	
8,100.00	7,732.54	7,846.82	7,732.54	38.18	22.70	-0.24	-440.75	-658.55	1,322.33	1,278.35	43.98	30.069	
8,200.00	7,832.54	7,946.82	7,832.54	38.26	22.86	-0.24	-440.75	-658.55	1,322.33	1,278.04	44.29	29.856	
8,300.00	7,932.54	8,046.82	7,932.54	38.34	23.02	-0.24	-440.75	-658.55	1,322.33	1,277.72	44.61	29.645	
8,400.00	8,032.54	8,146.82	8,032.54	38.43	23.18	-0.24	-440.75	-658.55	1,322.33	1,277.40	44.92	29.435	
8,440.96	8,073.50	8,187.78	8,073.50	38.46	23.24	-0.24	-440.75	-658.55	1,322.33	1,277.27	45.05	29.350	
8,500.00	8,132.54	8,203.29	8,089.00	38.51	23.27	-0.24	-440.75	-658.55	1,323.04	1,277.88	45.17	29.293	
8,600.00	8,232.54	8,203.29	8,089.00	38.60	23.27	-0.24	-440.75	-658.55	1,330.09	1,284.78	45.31	29.355	
8,700.00	8,332.54	8,203.29	8,089.00	38.69	23.27	-0.24	-440.75	-658.55	1,344.57	1,299.11	45.46	29.578	
8,800.00	8,432.54	8,203.29	8,089.00	38.78	23.27	-0.24	-440.75	-658.55	1,366.22	1,320.62	45.61	29.957	
8,869.46	8,502.00	8,203.29	8,089.00	38.84	23.27	-0.24	-440.75	-658.55	1,385.32	1,339.61	45.71	30.308	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.14	0.00	29.14				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	29.14	0.00	29.14	28.95	0.19	152.512	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	29.14	0.00	29.14	28.50	0.64	45.486	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	29.14	0.00	29.14	28.05	1.09	26.729	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	29.14	0.00	29.14	27.60	1.54	18.925	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	29.14	0.00	29.14	27.15	1.99	14.648	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	29.14	0.00	29.14	26.70	2.44	11.948	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	29.14	0.00	29.14	26.25	2.89	10.088	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	29.14	0.00	29.14	25.80	3.34	8.730	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	29.14	0.00	29.14	25.35	3.79	7.694	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	29.14	0.00	29.14	24.90	4.24	6.877	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	29.14	0.00	29.14	24.45	4.69	6.218	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	29.14	0.00	29.14	24.00	5.14	5.673	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	29.14	0.00	29.14	23.55	5.59	5.217	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	29.14	0.00	29.14	23.10	6.03	4.828 CC, ES	
1,500.00	1,499.98	1,500.54	1,500.52	3.21	3.22	163.62	28.13	1.45	29.84	23.41	6.43	4.639 SF	
1,600.00	1,599.84	1,600.80	1,600.64	3.39	3.41	174.18	25.11	5.76	32.70	25.92	6.78	4.820	
1,700.00	1,699.45	1,700.52	1,699.97	3.57	3.61	-172.50	20.11	12.90	39.37	32.23	7.14	5.511	
1,800.00	1,798.70	1,799.43	1,798.13	3.78	3.83	-160.59	13.20	22.78	51.01	43.49	7.52	6.780	
1,900.00	1,897.47	1,897.27	1,894.78	4.01	4.07	-151.71	4.46	35.28	67.80	59.86	7.94	8.541	
2,000.00	1,995.62	1,993.81	1,989.57	4.28	4.34	-145.47	-6.01	50.25	89.42	81.02	8.40	10.647	
2,100.00	2,093.06	2,088.84	2,082.22	4.59	4.65	-141.09	-18.10	67.53	115.54	106.63	8.91	12.961	
2,200.00	2,189.64	2,182.15	2,172.47	4.96	5.00	-137.90	-31.68	86.95	145.89	136.39	9.49	15.365	
2,300.00	2,285.27	2,274.93	2,261.51	5.38	5.40	-135.59	-46.63	108.31	180.05	169.91	10.14	17.751	
2,400.00	2,379.82	2,367.91	2,350.65	5.87	5.83	-134.39	-61.80	130.00	216.79	205.94	10.85	19.982	
2,500.00	2,473.17	2,459.98	2,438.91	6.42	6.27	-133.94	-76.82	151.47	255.79	244.19	11.60	22.052	
2,600.00	2,565.21	2,551.03	2,526.19	7.05	6.73	-133.92	-91.67	172.71	297.03	284.64	12.39	23.975	
2,614.12	2,578.10	2,563.80	2,538.44	7.14	6.80	-133.95	-93.75	175.69	303.03	290.53	12.50	24.236	
2,700.00	2,656.38	2,641.39	2,612.81	7.72	7.20	-134.61	-106.41	193.78	339.70	326.43	13.27	25.601	
2,800.00	2,747.53	2,731.73	2,699.42	8.43	7.67	-135.21	-121.15	214.85	382.44	368.25	14.19	26.959	
2,900.00	2,838.69	2,822.08	2,786.03	9.15	8.16	-135.70	-135.89	235.92	425.20	410.07	15.12	28.114	
3,000.00	2,929.84	2,912.42	2,872.63	9.88	8.65	-136.10	-150.63	256.99	467.98	451.90	16.08	29.104	
3,100.00	3,020.99	3,002.76	2,959.24	10.63	9.15	-136.43	-165.36	278.06	510.78	493.73	17.05	29.958	
3,200.00	3,112.15	3,093.10	3,045.85	11.38	9.65	-136.71	-180.10	299.13	553.59	535.55	18.03	30.700	
3,300.00	3,203.30	3,183.45	3,132.45	12.15	10.16	-136.95	-194.84	320.20	596.40	577.38	19.02	31.350	
3,400.00	3,294.45	3,273.79	3,219.06	12.91	10.67	-137.15	-209.58	341.27	639.23	619.21	20.02	31.923	
3,500.00	3,385.61	3,364.13	3,305.67	13.69	11.19	-137.33	-224.32	362.34	682.06	661.03	21.03	32.432	
3,600.00	3,476.76	3,454.48	3,392.27	14.47	11.71	-137.49	-239.05	383.41	724.90	702.85	22.04	32.885	
3,700.00	3,567.91	3,544.82	3,478.88	15.25	12.23	-137.64	-253.79	404.48	767.74	744.68	23.06	33.292	
3,800.00	3,659.06	3,635.16	3,565.49	16.03	12.75	-137.76	-268.53	425.55	810.58	786.50	24.08	33.659	
3,900.00	3,750.22	3,725.51	3,652.09	16.82	13.28	-137.88	-283.27	446.62	853.43	828.32	25.11	33.992	
4,000.00	3,841.37	3,815.85	3,738.70	17.61	13.80	-137.98	-298.01	467.69	896.28	870.14	26.13	34.294	
4,100.00	3,932.52	3,906.19	3,825.31	18.41	14.33	-138.07	-312.75	488.76	939.13	911.97	27.17	34.571	
4,200.00	4,023.68	3,996.54	3,911.91	19.20	14.86	-138.16	-327.48	509.83	981.99	953.79	28.20	34.825	
4,300.00	4,114.83	4,086.88	3,998.52	20.00	15.39	-138.24	-342.22	530.90	1,024.84	995.61	29.23	35.059	
4,400.00	4,205.98	4,177.22	4,085.13	20.79	15.92	-138.31	-356.96	551.97	1,067.70	1,037.43	30.27	35.275	
4,500.00	4,297.13	4,274.41	4,178.39	21.59	16.46	-138.40	-372.63	574.37	1,110.44	1,079.14	31.30	35.473	
4,600.00	4,388.29	4,362.03	4,282.55	22.39	16.92	-138.66	-388.14	596.55	1,152.07	1,119.82	32.25	35.722	
4,700.00	4,479.44	4,450.66	4,388.63	23.19	17.32	-139.09	-401.52	615.67	1,192.38	1,159.26	33.12	36.003	
4,800.00	4,570.59	4,539.98	4,496.21	23.99	17.68	-139.69	-412.65	631.58	1,231.40	1,197.48	33.92	36.306	
4,900.00	4,661.75	4,709.69	4,604.83	24.79	17.98	-140.43	-421.44	644.15	1,269.19	1,234.55	34.64	36.642	
5,000.00	4,752.90	4,819.46	4,714.03	25.60	18.23	-141.31	-427.84	653.30	1,305.84	1,270.56	35.28	37.014	

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



Weatherford International Ltd.
Anticollision Report



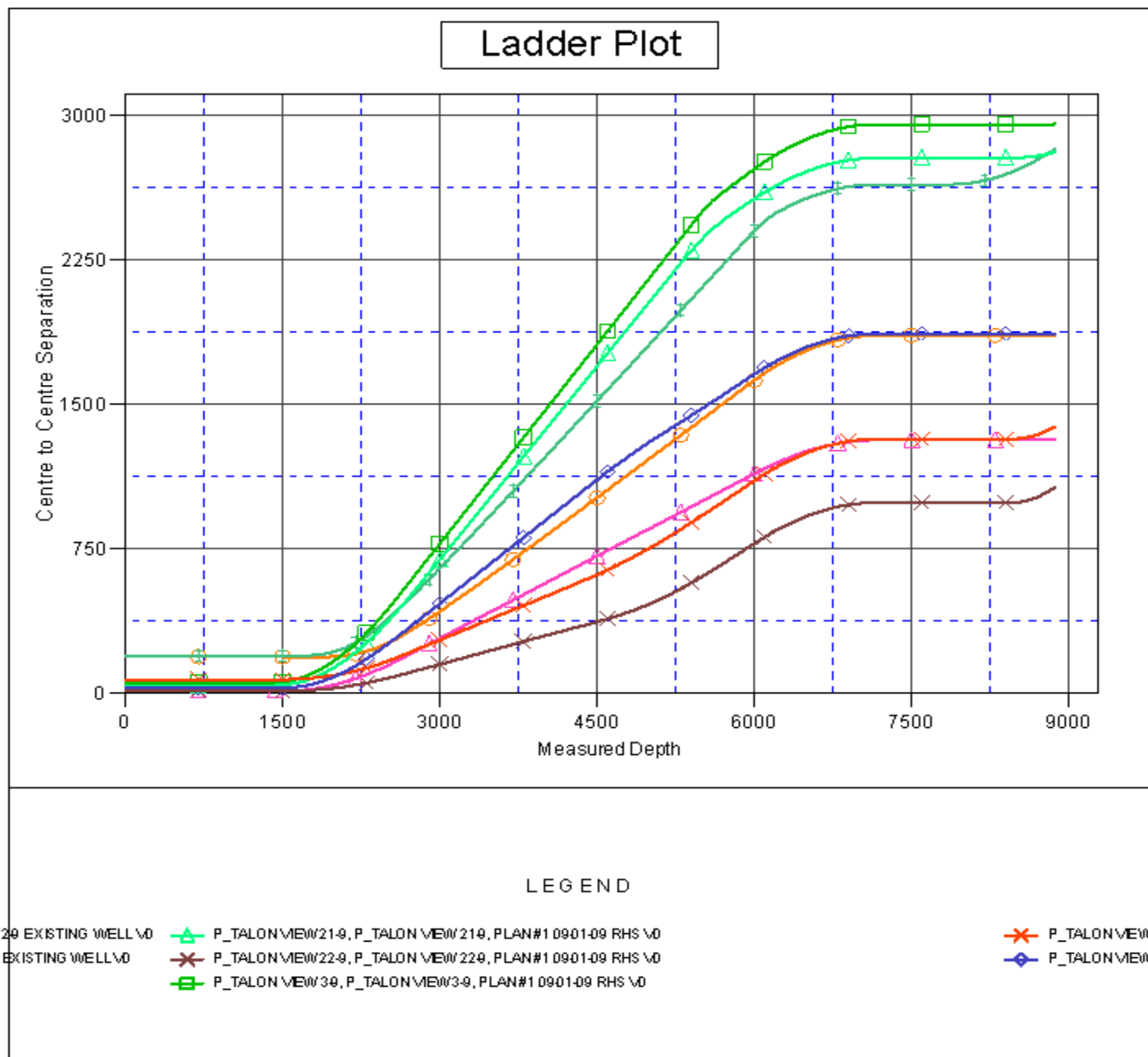
Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,844.05	4,928.97	4,823.31	26.40	18.43	-142.31	-431.84	659.02	1,341.44	1,305.60	35.84	37.427	
5,200.00	4,935.21	5,037.91	4,932.21	27.20	18.58	-143.41	-433.43	661.30	1,376.12	1,339.79	36.33	37.882	
5,300.00	5,026.36	5,132.06	5,026.36	28.01	18.70	-144.40	-433.47	661.35	1,410.39	1,373.62	36.78	38.349	
5,400.00	5,117.51	5,223.22	5,117.51	28.81	18.81	-145.33	-433.47	661.35	1,445.01	1,407.79	37.22	38.822	
5,500.00	5,208.66	5,314.37	5,208.66	29.62	18.92	-146.21	-433.47	661.35	1,479.96	1,442.30	37.66	39.301	
5,600.00	5,299.82	5,405.52	5,299.82	30.42	19.03	-147.05	-433.47	661.35	1,515.22	1,477.10	38.12	39.750	
5,700.00	5,390.97	5,496.68	5,390.97	31.23	19.15	-147.86	-433.47	661.35	1,550.76	1,512.18	38.58	40.196	
5,800.00	5,482.12	5,587.83	5,482.12	32.04	19.26	-148.63	-433.47	661.35	1,586.58	1,547.54	39.04	40.642	
5,900.00	5,573.28	5,678.98	5,573.28	32.84	19.38	-149.37	-433.47	661.35	1,622.65	1,583.16	39.49	41.088	
5,953.34	5,621.90	5,727.60	5,621.90	33.28	19.44	-149.75	-433.47	661.35	1,641.98	1,602.25	39.73	41.325	
6,000.00	5,664.58	5,770.29	5,664.58	33.59	19.50	-150.25	-433.47	661.35	1,658.64	1,618.65	39.99	41.476	
6,100.00	5,757.07	5,862.77	5,757.07	34.14	19.62	-151.22	-433.47	661.35	1,692.41	1,651.92	40.48	41.806	
6,200.00	5,850.82	5,956.53	5,850.82	34.65	19.75	-152.08	-433.47	661.35	1,723.44	1,682.48	40.96	42.080	
6,300.00	5,945.73	6,051.44	5,945.73	35.13	19.87	-152.83	-433.47	661.35	1,751.65	1,710.24	41.41	42.304	
6,400.00	6,041.68	6,147.39	6,041.68	35.56	20.01	-153.47	-433.47	661.35	1,776.97	1,735.14	41.83	42.480	
6,500.00	6,138.56	6,244.26	6,138.56	35.96	20.14	-154.02	-433.47	661.35	1,799.33	1,757.10	42.23	42.612	
6,600.00	6,236.24	6,341.95	6,236.24	36.31	20.28	-154.49	-433.47	661.35	1,818.68	1,776.09	42.59	42.704	
6,700.00	6,334.61	6,440.31	6,334.61	36.62	20.42	-154.87	-433.47	661.35	1,834.96	1,792.05	42.92	42.757	
6,800.00	6,433.54	6,539.25	6,433.54	36.88	20.56	-155.17	-433.47	661.35	1,848.15	1,804.94	43.21	42.774	
6,900.00	6,532.92	6,638.63	6,532.92	37.10	20.70	-155.40	-433.47	661.35	1,858.21	1,814.75	43.46	42.756	
7,000.00	6,632.63	6,738.34	6,632.63	37.27	20.84	-155.55	-433.47	661.35	1,865.11	1,821.44	43.68	42.704	
7,100.00	6,732.54	6,838.25	6,732.54	37.39	20.99	-155.64	-433.47	661.35	1,868.84	1,824.99	43.85	42.618	
7,167.46	6,800.00	6,905.71	6,800.00	37.46	21.09	44.67	-433.47	661.35	1,869.57	1,825.62	43.95	42.536	
7,200.00	6,832.54	6,938.24	6,832.54	37.48	21.14	44.67	-433.47	661.35	1,869.57	1,825.53	44.04	42.450	
7,300.00	6,932.54	7,038.24	6,932.54	37.56	21.29	44.67	-433.47	661.35	1,869.57	1,825.26	44.31	42.194	
7,400.00	7,032.54	7,138.24	7,032.54	37.63	21.44	44.67	-433.47	661.35	1,869.57	1,824.99	44.58	41.938	
7,500.00	7,132.54	7,238.24	7,132.54	37.70	21.59	44.67	-433.47	661.35	1,869.57	1,824.72	44.85	41.683	
7,600.00	7,232.54	7,338.24	7,232.54	37.78	21.75	44.67	-433.47	661.35	1,869.57	1,824.44	45.13	41.428	
7,700.00	7,332.54	7,438.24	7,332.54	37.86	21.90	44.67	-433.47	661.35	1,869.57	1,824.16	45.41	41.174	
7,800.00	7,432.54	7,538.24	7,432.54	37.93	22.06	44.67	-433.47	661.35	1,869.57	1,823.88	45.69	40.920	
7,900.00	7,532.54	7,638.24	7,532.54	38.01	22.22	44.67	-433.47	661.35	1,869.57	1,823.60	45.97	40.667	
8,000.00	7,632.54	7,738.24	7,632.54	38.09	22.37	44.67	-433.47	661.35	1,869.57	1,823.31	46.26	40.415	
8,100.00	7,732.54	7,838.24	7,732.54	38.18	22.53	44.67	-433.47	661.35	1,869.57	1,823.02	46.55	40.164	
8,200.00	7,832.54	7,938.24	7,832.54	38.26	22.69	44.67	-433.47	661.35	1,869.57	1,822.73	46.84	39.914	
8,300.00	7,932.54	8,038.24	7,932.54	38.34	22.86	44.67	-433.47	661.35	1,869.57	1,822.43	47.13	39.665	
8,400.00	8,032.54	8,138.24	8,032.54	38.43	23.02	44.67	-433.47	661.35	1,869.57	1,822.14	47.43	39.417	
8,500.00	8,132.54	8,238.24	8,132.54	38.51	23.18	44.67	-433.47	661.35	1,869.57	1,821.84	47.73	39.171	
8,600.00	8,232.54	8,338.24	8,232.54	38.60	23.35	44.67	-433.47	661.35	1,869.57	1,821.54	48.03	38.925	
8,700.00	8,332.54	8,438.24	8,332.54	38.69	23.51	44.67	-433.47	661.35	1,869.57	1,821.23	48.33	38.680	
8,800.00	8,432.54	8,538.24	8,432.54	38.78	23.68	44.67	-433.47	661.35	1,869.57	1,820.93	48.64	38.437	
8,869.46	8,502.00	8,607.71	8,502.00	38.84	23.80	44.67	-433.47	661.35	1,869.57	1,820.72	48.85	38.269	



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5171.00ft (Original Well Elev) Coordinates are relative to: P_TALON VIEW 12-9
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.39°

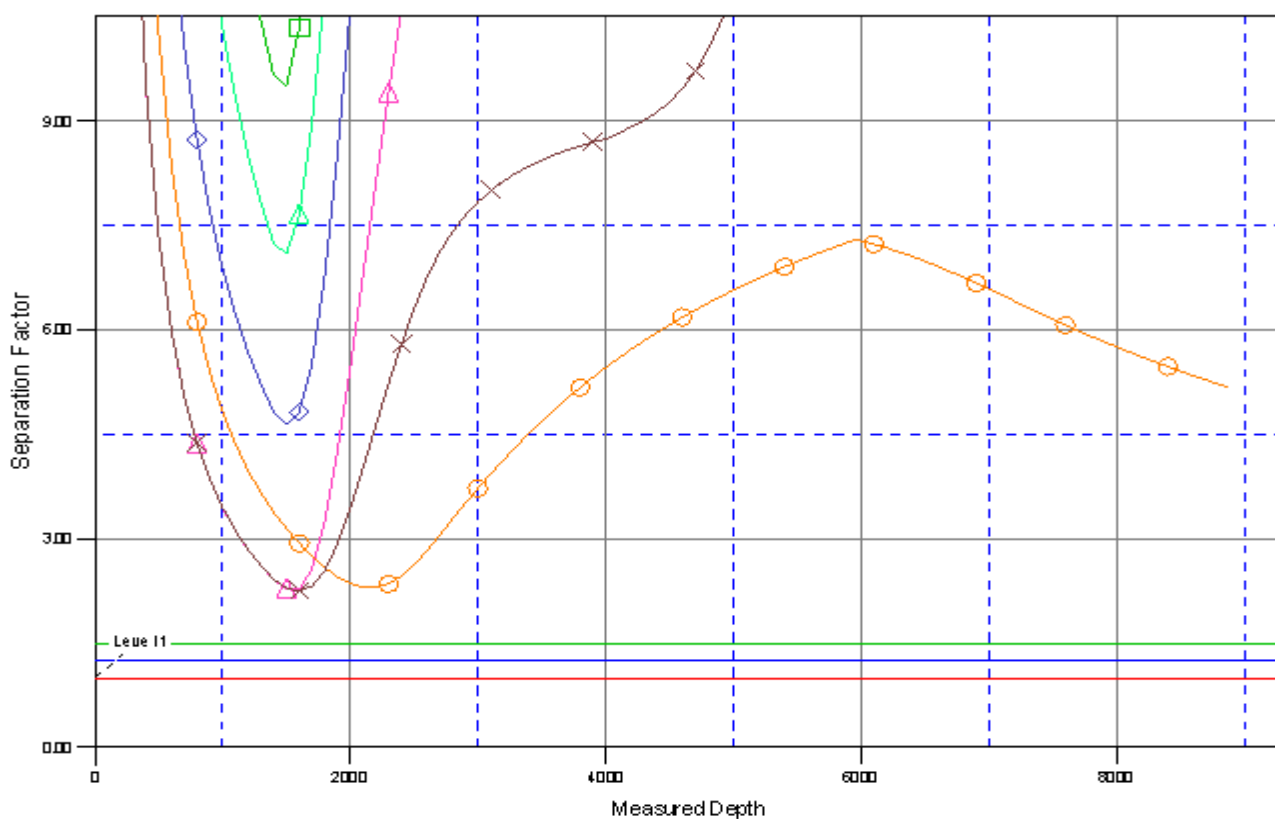




Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 12-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 12-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 12-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5171.00ft (Original Well Elev) Coordinates are relative to: P_TALON VIEW 12-9
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.39°

Separation Factor Plot



LEGEND

12-9 EXISTING WELL \0	P_TALON VIEW 21-9, P_TALON VIEW 21-9, PLAN #1 09-01-09 RHS \0	P_TALON VIEW 5-4
9 EXISTING WELL \0	P_TALON VIEW 22-9, P_TALON VIEW 22-9, PLAN #1 09-01-09 RHS \0	P_TALON VIEW 6-4
	P_TALON VIEW 3-9, P_TALON VIEW 3-9, PLAN #1 09-01-09 RHS \0	