



US ROCKIES REGION PLANNING

KERR MCGEE OIL & GAS ONSHORE LP

ADAMS_TALON VIEW 7 PAD

P_TALON VIEW 3-9

P_TALON VIEW 3-9

Plan: PLAN #1 09-01-09 RHS

Standard Planning Report

01 September, 2009





P. TALON VIEW 3-9
KERR MCGEE OIL & GAS ONSHORE LP
SECTION 9 T1S R67W
1484 FNL 1321 FWL
LAT: 39° 58' 56.388 N
LONG: 104° 53' 54.924 W



Azimuths to True North
 Magnetic North: 9.10°
 Magnetic Field
 Strength: 53100.8nT
 Dip Angle: 66.76°
 Date: 9/1/2009
 Model: IGRF200510

WELL DETAILS: P_TALON VIEW 3-9

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1236981.61	3168529.53	5156.00	39° 58' 56.388 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	
2393.32	19.87	38.29	2373.54	133.82	105.64	2.00	38.29	170.49	
4503.85	19.87	38.29	4358.46	696.75	550.06	0.00	0.00	887.71	
5497.17	0.00	0.00	5332.00	830.56	655.71	2.00	180.00	1058.20	
8649.17	0.00	0.00	8484.00	830.56	655.71	0.00	0.00	1058.20	PBHL_TALON VIEW 3-9(660 FNL 1980 FWL)50' TGT RAD

FORMATION TOP DETAILS

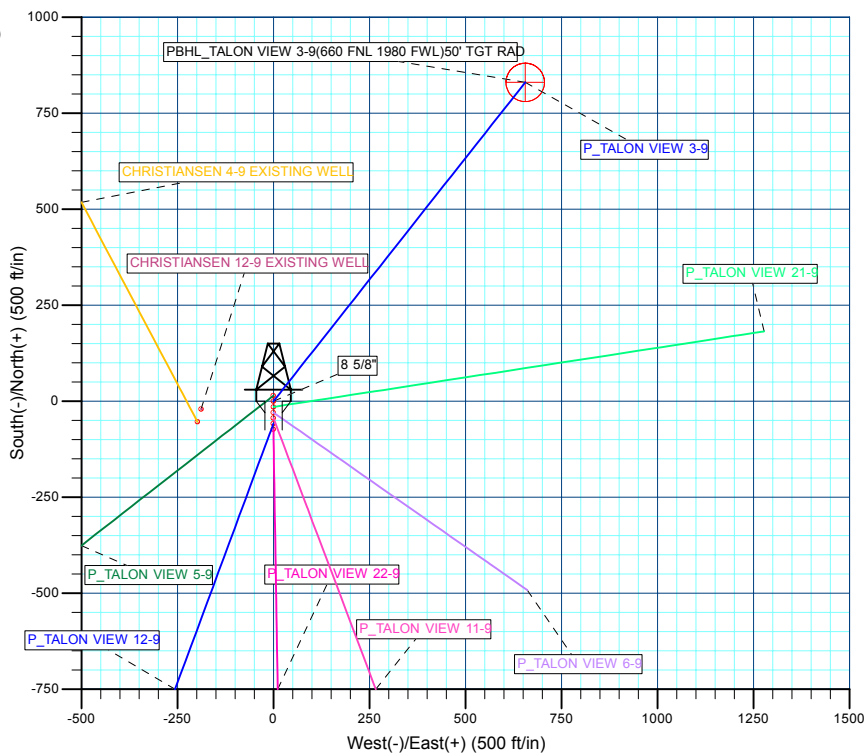
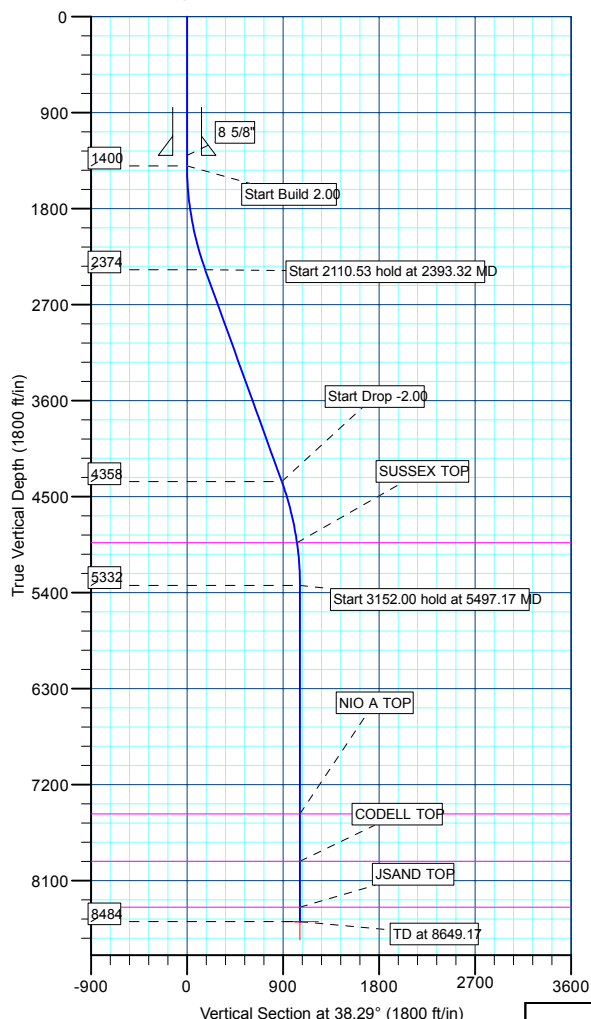
TVDPath	MDPath	Formation
4932.00	5095.86	SUSSEX TOP
7474.00	7639.17	NIO A TOP
7919.00	8084.17	CODELL TOP
8349.00	8514.17	JSAND TOP

CASING DETAILS

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



KB ELEV: WELL @ 5171.00ft (Original Well Elev)
 GRD ELEV: 5156.00



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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8484.00	830.56	655.71	1237816.60	3169179.59	39° 59' 4.596 N	104° 53' 46.500 W	Circle (Radius: 50.00)

Plan: PLAN #1 09-01-09 RHS (P_TALON VIEW 3-9/P_TALON VIEW 3-9)

Created By: Robert H. Scott



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 3-9		
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 3-9					
Well Position	+N/-S	43.70 ft	Northing:	1,236,981.61 ft	Latitude:	39° 58' 56.388 N
	+E/-W	0.00 ft	Easting:	3,168,529.53 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 3-9				
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	38.29

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	
2,393.32	19.87	38.29	2,373.54	133.82	105.64	2.00	2.00	0.00	38.29	
4,503.85	19.87	38.29	4,358.46	696.75	550.06	0.00	0.00	0.00	0.00	
5,497.17	0.00	0.00	5,332.00	830.56	655.71	2.00	-2.00	0.00	180.00	
8,649.17	0.00	0.00	8,484.00	830.56	655.71	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 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 3-9		
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	38.29	1,499.98	1.37	1.08	1.75	2.00	2.00	0.00
1,600.00	4.00	38.29	1,599.84	5.48	4.32	6.98	2.00	2.00	0.00
1,700.00	6.00	38.29	1,699.45	12.32	9.72	15.69	2.00	2.00	0.00
1,800.00	8.00	38.29	1,798.70	21.88	17.28	27.88	2.00	2.00	0.00
1,900.00	10.00	38.29	1,897.47	34.16	26.97	43.52	2.00	2.00	0.00
2,000.00	12.00	38.29	1,995.62	49.14	38.79	62.60	2.00	2.00	0.00
2,100.00	14.00	38.29	2,093.06	66.79	52.73	85.10	2.00	2.00	0.00
2,200.00	16.00	38.29	2,189.64	87.10	68.77	110.98	2.00	2.00	0.00
2,300.00	18.00	38.29	2,285.27	110.05	86.88	140.21	2.00	2.00	0.00
Start 2110.53 hold at 2393.32 MD									
2,393.32	19.87	38.29	2,373.54	133.82	105.64	170.49	2.00	2.00	0.00
2,400.00	19.87	38.29	2,379.82	135.60	107.05	172.76	0.00	0.00	0.00
2,500.00	19.87	38.29	2,473.87	162.27	128.11	206.74	0.00	0.00	0.00
2,600.00	19.87	38.29	2,567.92	188.94	149.16	240.73	0.00	0.00	0.00
2,700.00	19.87	38.29	2,661.96	215.61	170.22	274.71	0.00	0.00	0.00
2,800.00	19.87	38.29	2,756.01	242.29	191.28	308.69	0.00	0.00	0.00
2,900.00	19.87	38.29	2,850.06	268.96	212.34	342.67	0.00	0.00	0.00
3,000.00	19.87	38.29	2,944.11	295.63	233.39	376.66	0.00	0.00	0.00
3,100.00	19.87	38.29	3,038.16	322.30	254.45	410.64	0.00	0.00	0.00
3,200.00	19.87	38.29	3,132.21	348.98	275.51	444.62	0.00	0.00	0.00
3,300.00	19.87	38.29	3,226.26	375.65	296.57	478.61	0.00	0.00	0.00
3,400.00	19.87	38.29	3,320.31	402.32	317.62	512.59	0.00	0.00	0.00
3,500.00	19.87	38.29	3,414.35	428.99	338.68	546.57	0.00	0.00	0.00
3,600.00	19.87	38.29	3,508.40	455.67	359.74	580.55	0.00	0.00	0.00
3,700.00	19.87	38.29	3,602.45	482.34	380.80	614.54	0.00	0.00	0.00
3,800.00	19.87	38.29	3,696.50	509.01	401.85	648.52	0.00	0.00	0.00
3,900.00	19.87	38.29	3,790.55	535.68	422.91	682.50	0.00	0.00	0.00
4,000.00	19.87	38.29	3,884.60	562.36	443.97	716.49	0.00	0.00	0.00
4,100.00	19.87	38.29	3,978.65	589.03	465.02	750.47	0.00	0.00	0.00
4,200.00	19.87	38.29	4,072.70	615.70	486.08	784.45	0.00	0.00	0.00
4,300.00	19.87	38.29	4,166.74	642.37	507.14	818.43	0.00	0.00	0.00
4,400.00	19.87	38.29	4,260.79	669.05	528.20	852.42	0.00	0.00	0.00
4,500.00	19.87	38.29	4,354.84	695.72	549.25	886.40	0.00	0.00	0.00
Start Drop -2.00									
4,503.85	19.87	38.29	4,358.46	696.75	550.06	887.71	0.00	0.00	0.00
4,600.00	17.94	38.29	4,449.42	721.20	569.37	918.86	2.00	-2.00	0.00
4,700.00	15.94	38.29	4,545.08	744.07	587.42	948.00	2.00	-2.00	0.00
4,800.00	13.94	38.29	4,641.69	764.31	603.40	973.79	2.00	-2.00	0.00
4,900.00	11.94	38.29	4,739.14	781.89	617.28	996.18	2.00	-2.00	0.00
5,000.00	9.94	38.29	4,837.32	796.79	629.04	1,015.17	2.00	-2.00	0.00
SUSSEX TOP									
5,095.86	8.03	38.29	4,932.00	808.54	638.32	1,030.14	2.00	-2.00	0.00
5,100.00	7.94	38.29	4,936.10	808.99	638.68	1,030.71	2.00	-2.00	0.00
5,200.00	5.94	38.29	5,035.36	818.48	646.17	1,042.80	2.00	-2.00	0.00
5,300.00	3.94	38.29	5,134.98	825.24	651.51	1,051.42	2.00	-2.00	0.00
5,400.00	1.94	38.29	5,234.85	829.27	654.69	1,056.55	2.00	-2.00	0.00
Start 3152.00 hold at 5497.17 MD									
5,497.17	0.00	0.00	5,332.00	830.56	655.71	1,058.20	2.00	-2.00	-39.40
5,500.00	0.00	0.00	5,334.83	830.56	655.71	1,058.20	0.00	0.00	0.00
5,600.00	0.00	0.00	5,434.83	830.56	655.71	1,058.20	0.00	0.00	0.00
5,700.00	0.00	0.00	5,534.83	830.56	655.71	1,058.20	0.00	0.00	0.00



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 3-9		
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)
5,800.00	0.00	0.00	5,634.83	830.56	655.71	1,058.20	0.00	0.00	0.00
5,900.00	0.00	0.00	5,734.83	830.56	655.71	1,058.20	0.00	0.00	0.00
6,000.00	0.00	0.00	5,834.83	830.56	655.71	1,058.20	0.00	0.00	0.00
6,100.00	0.00	0.00	5,934.83	830.56	655.71	1,058.20	0.00	0.00	0.00
6,200.00	0.00	0.00	6,034.83	830.56	655.71	1,058.20	0.00	0.00	0.00
6,300.00	0.00	0.00	6,134.83	830.56	655.71	1,058.20	0.00	0.00	0.00
6,400.00	0.00	0.00	6,234.83	830.56	655.71	1,058.20	0.00	0.00	0.00
6,500.00	0.00	0.00	6,334.83	830.56	655.71	1,058.20	0.00	0.00	0.00
6,600.00	0.00	0.00	6,434.83	830.56	655.71	1,058.20	0.00	0.00	0.00
6,700.00	0.00	0.00	6,534.83	830.56	655.71	1,058.20	0.00	0.00	0.00
6,800.00	0.00	0.00	6,634.83	830.56	655.71	1,058.20	0.00	0.00	0.00
6,900.00	0.00	0.00	6,734.83	830.56	655.71	1,058.20	0.00	0.00	0.00
7,000.00	0.00	0.00	6,834.83	830.56	655.71	1,058.20	0.00	0.00	0.00
7,100.00	0.00	0.00	6,934.83	830.56	655.71	1,058.20	0.00	0.00	0.00
7,200.00	0.00	0.00	7,034.83	830.56	655.71	1,058.20	0.00	0.00	0.00
7,300.00	0.00	0.00	7,134.83	830.56	655.71	1,058.20	0.00	0.00	0.00
7,400.00	0.00	0.00	7,234.83	830.56	655.71	1,058.20	0.00	0.00	0.00
7,500.00	0.00	0.00	7,334.83	830.56	655.71	1,058.20	0.00	0.00	0.00
7,600.00	0.00	0.00	7,434.83	830.56	655.71	1,058.20	0.00	0.00	0.00
NIO A TOP									
7,639.17	0.00	0.00	7,474.00	830.56	655.71	1,058.20	0.00	0.00	0.00
7,700.00	0.00	0.00	7,534.83	830.56	655.71	1,058.20	0.00	0.00	0.00
7,800.00	0.00	0.00	7,634.83	830.56	655.71	1,058.20	0.00	0.00	0.00
7,900.00	0.00	0.00	7,734.83	830.56	655.71	1,058.20	0.00	0.00	0.00
8,000.00	0.00	0.00	7,834.83	830.56	655.71	1,058.20	0.00	0.00	0.00
CODELL TOP									
8,084.17	0.00	0.00	7,919.00	830.56	655.71	1,058.20	0.00	0.00	0.00
8,100.00	0.00	0.00	7,934.83	830.56	655.71	1,058.20	0.00	0.00	0.00
8,200.00	0.00	0.00	8,034.83	830.56	655.71	1,058.20	0.00	0.00	0.00
8,300.00	0.00	0.00	8,134.83	830.56	655.71	1,058.20	0.00	0.00	0.00
8,400.00	0.00	0.00	8,234.83	830.56	655.71	1,058.20	0.00	0.00	0.00
8,500.00	0.00	0.00	8,334.83	830.56	655.71	1,058.20	0.00	0.00	0.00
JSAND TOP									
8,514.17	0.00	0.00	8,349.00	830.56	655.71	1,058.20	0.00	0.00	0.00
8,600.00	0.00	0.00	8,434.83	830.56	655.71	1,058.20	0.00	0.00	0.00
PBHL_TALON VIEW 3-9(660 FNL 1980 FWL)50' TGT RAD									
8,649.17	0.00	0.00	8,484.00	830.56	655.71	1,058.20	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	8,484.00	830.56	655.71	1,237,816.60	3,169,179.59	39° 59' 4.596 N	104° 53' 46.500 W
- plan hits target center									
- Circle (radius 50.00)									



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 3-9		
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 (°)
5,095.86	4,932.00	SUSSEX TOP			
7,639.17	7,474.00	NIO A TOP			
8,084.17	7,919.00	CODELL TOP			
8,514.17	8,349.00	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	
2,393.32	2,373.54	133.82	105.64	Start 2110.53 hold at 2393.32 MD	
4,503.85	4,358.46	696.75	550.06	Start Drop -2.00	
5,497.17	5,332.00	830.56	655.71	Start 3152.00 hold at 5497.17 MD	
8,649.17	8,484.00	830.56	655.71	TD at 8649.17	



US ROCKIES REGION PLANNING

**KERR MCGEE OIL & GAS ONSHORE LP
ADAMS_TALON VIEW 7 PAD
P_TALON VIEW 3-9**

**P_TALON VIEW 3-9
PLAN #1 09-01-09 RHS**

Anticollision Report

01 September, 2009





Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	8,649.17	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	1,400.00	1,400.00	189.31	132.54	3.334	CC
CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSE	1,600.00	1,599.84	194.26	129.11	2.982	ES
CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSE	1,800.00	1,798.70	209.76	136.52	2.864	SF
CHRISTIANSEN 4-9 EXISTING WELL - CHRISTIANSEN	1,400.00	1,400.00	204.92	198.89	33.937	CC, ES
CHRISTIANSEN 4-9 EXISTING WELL - CHRISTIANSEN	7,700.00	7,625.32	1,317.11	1,271.51	28.888	SF
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,400.00	1,400.00	43.70	37.67	7.242	CC, ES
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,500.00	1,498.50	46.68	40.24	7.239	SF
P_TALON VIEW 12-9 - P_TALON VIEW 12-9 - PLAN #1	1,400.00	1,400.00	58.28	52.25	9.658	CC, ES
P_TALON VIEW 12-9 - P_TALON VIEW 12-9 - PLAN #1	1,500.00	1,498.01	61.28	54.83	9.504	SF
P_TALON VIEW 21-9 - P_TALON VIEW 21-9 - PLAN #1	1,400.00	1,400.00	14.58	8.54	2.416	CC, ES, SF
P_TALON VIEW 22-9 - P_TALON VIEW 22-9 - PLAN #1	1,400.00	1,400.00	72.87	66.84	12.075	CC, ES
P_TALON VIEW 22-9 - P_TALON VIEW 22-9 - PLAN #1	1,500.00	1,497.42	75.95	69.50	11.783	SF
P_TALON VIEW 5-9 - P_TALON VIEW 5-9 - PLAN #1 05	1,572.21	1,572.13	10.33	3.58	1.530	CC, ES, SF
P_TALON VIEW 6-9 - P_TALON VIEW 6-9 - PLAN #1 05	1,400.00	1,400.00	29.15	23.11	4.830	CC, ES, SF

Offset Design		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			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
0.00	0.00	0.00	0.00	0.00	0.00	-96.07	-20.02	-188.25	189.31								
100.00	100.00	100.00	100.00	0.10	1.76	-96.07	-20.02	-188.25	189.31	187.46	1.86	102.028					
200.00	200.00	200.00	200.00	0.32	5.76	-96.07	-20.02	-188.25	189.31	183.23	6.08	31.136					
300.00	300.00	300.00	300.00	0.55	9.76	-96.07	-20.02	-188.25	189.31	179.01	10.31	18.371					
400.00	400.00	400.00	400.00	0.77	13.76	-96.07	-20.02	-188.25	189.31	174.79	14.53	13.029					
500.00	500.00	500.00	500.00	0.99	17.76	-96.07	-20.02	-188.25	189.31	170.56	18.75	10.094					
600.00	600.00	600.00	600.00	1.22	21.76	-96.07	-20.02	-188.25	189.31	166.34	22.98	8.238					
700.00	700.00	700.00	700.00	1.44	25.76	-96.07	-20.02	-188.25	189.31	162.11	27.20	6.959					
800.00	800.00	800.00	800.00	1.67	29.76	-96.07	-20.02	-188.25	189.31	157.89	31.43	6.024					
900.00	900.00	900.00	900.00	1.89	33.76	-96.07	-20.02	-188.25	189.31	153.66	35.65	5.310					
1,000.00	1,000.00	1,000.00	1,000.00	2.12	37.76	-96.07	-20.02	-188.25	189.31	149.44	39.88	4.747					
1,100.00	1,100.00	1,100.00	1,100.00	2.34	41.76	-96.07	-20.02	-188.25	189.31	145.21	44.10	4.293					
1,200.00	1,200.00	1,200.00	1,200.00	2.57	45.76	-96.07	-20.02	-188.25	189.31	140.99	48.33	3.917					
1,300.00	1,300.00	1,300.00	1,300.00	2.79	49.76	-96.07	-20.02	-188.25	189.31	136.76	52.55	3.602					

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 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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						
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
1,400.00	1,400.00	1,400.00	1,400.00	3.02	53.76	-96.07	-20.02	-188.25	189.31	132.54	56.78	3.334	CC
1,500.00	1,499.98	1,499.98	1,499.98	3.24	57.76	-134.72	-20.02	-188.25	190.54	129.55	60.99	3.124	
1,600.00	1,599.84	1,599.84	1,599.84	3.46	61.75	-135.76	-20.02	-188.25	194.26	129.11	65.14	2.982	ES
1,700.00	1,699.45	1,699.45	1,699.45	3.69	65.74	-137.41	-20.02	-188.25	200.60	131.37	69.23	2.897	
1,800.00	1,798.70	1,798.70	1,798.70	3.92	69.71	-139.54	-20.02	-188.25	209.76	136.52	73.23	2.864	SF
1,900.00	1,897.47	1,897.47	1,897.47	4.18	73.66	-142.00	-20.02	-188.25	221.94	144.82	77.11	2.878	
2,000.00	1,995.62	1,995.62	1,995.62	4.47	77.58	-144.64	-20.02	-188.25	237.34	156.50	80.84	2.936	
2,100.00	2,093.06	2,093.06	2,093.06	4.80	81.48	-147.32	-20.02	-188.25	256.14	171.74	84.40	3.035	
2,200.00	2,189.64	2,189.64	2,189.64	5.17	85.35	-149.94	-20.02	-188.25	278.45	190.70	87.75	3.173	
2,300.00	2,285.27	2,285.27	2,285.27	5.60	89.17	-152.43	-20.02	-188.25	304.33	213.45	90.89	3.348	
2,393.32	2,373.54	2,373.54	2,373.54	6.05	92.70	-154.58	-20.02	-188.25	331.72	238.13	93.60	3.544	
2,400.00	2,379.82	2,379.82	2,379.82	6.08	92.95	-154.75	-20.02	-188.25	333.80	239.96	93.84	3.557	
2,500.00	2,473.87	2,473.87	2,473.87	6.61	96.71	-157.00	-20.02	-188.25	365.12	267.60	97.52	3.744	
2,600.00	2,567.92	2,567.92	2,567.92	7.17	100.48	-158.91	-20.02	-188.25	396.88	295.65	101.24	3.920	
2,700.00	2,661.96	2,661.96	2,661.96	7.74	104.24	-160.53	-20.02	-188.25	428.99	324.01	104.97	4.087	
2,800.00	2,756.01	2,756.01	2,756.01	8.33	108.00	-161.93	-20.02	-188.25	461.36	352.63	108.72	4.243	
2,900.00	2,850.06	2,850.06	2,850.06	8.94	111.76	-163.15	-20.02	-188.25	493.94	381.45	112.49	4.391	
3,000.00	2,944.11	2,944.11	2,944.11	9.55	115.52	-164.21	-20.02	-188.25	526.71	410.44	116.27	4.530	
3,100.00	3,038.16	3,038.16	3,038.16	10.17	119.29	-165.16	-20.02	-188.25	559.62	439.56	120.06	4.661	
3,200.00	3,132.21	3,132.21	3,132.21	10.80	123.05	-165.99	-20.02	-188.25	592.65	468.80	123.85	4.785	
3,300.00	3,226.26	3,226.26	3,226.26	11.44	126.81	-166.75	-20.02	-188.25	625.78	498.13	127.66	4.902	
3,400.00	3,320.31	3,320.31	3,320.31	12.07	130.57	-167.42	-20.02	-188.25	659.00	527.54	131.47	5.013	
3,500.00	3,414.35	3,414.35	3,414.35	12.72	134.33	-168.03	-20.02	-188.25	692.30	557.01	135.28	5.117	
3,600.00	3,508.40	3,508.40	3,508.40	13.37	138.10	-168.59	-20.02	-188.25	725.65	586.55	139.10	5.217	
3,700.00	3,602.45	3,602.45	3,602.45	14.02	141.86	-169.09	-20.02	-188.25	759.07	616.14	142.92	5.311	
3,800.00	3,696.50	3,696.50	3,696.50	14.67	145.62	-169.56	-20.02	-188.25	792.53	645.78	146.75	5.401	
3,900.00	3,790.55	3,790.55	3,790.55	15.32	149.38	-169.98	-20.02	-188.25	826.03	675.45	150.58	5.486	
4,000.00	3,884.60	3,884.60	3,884.60	15.98	153.14	-170.38	-20.02	-188.25	859.57	705.16	154.41	5.567	
4,100.00	3,978.65	3,978.65	3,978.65	16.64	156.91	-170.74	-20.02	-188.25	893.15	734.90	158.25	5.644	
4,200.00	4,072.70	4,072.70	4,072.70	17.30	160.67	-171.08	-20.02	-188.25	926.75	764.67	162.08	5.718	
4,300.00	4,166.74	4,166.74	4,166.74	17.96	164.43	-171.39	-20.02	-188.25	960.38	794.46	165.92	5.788	
4,400.00	4,260.79	4,260.79	4,260.79	18.62	168.19	-171.69	-20.02	-188.25	994.04	824.28	169.76	5.856	
4,503.85	4,358.46	4,358.46	4,358.46	19.31	172.10	-171.97	-20.02	-188.25	1,029.01	855.26	173.75	5.922	
4,600.00	4,449.42	4,449.42	4,449.42	19.87	175.74	-172.29	-20.02	-188.25	1,059.90	880.62	179.29	5.912	
4,700.00	4,545.08	4,545.08	4,545.08	20.33	179.56	-172.58	-20.02	-188.25	1,088.81	903.82	184.99	5.886	
4,800.00	4,641.69	4,641.69	4,641.69	20.76	183.43	-172.81	-20.02	-188.25	1,114.40	923.83	190.57	5.848	
4,900.00	4,739.14	4,739.14	4,739.14	21.14	187.33	-173.01	-20.02	-188.25	1,136.64	940.62	196.02	5.799	
5,000.00	4,837.32	4,837.32	4,837.32	21.48	191.25	-173.17	-20.02	-188.25	1,155.49	954.18	201.30	5.740	
5,100.00	4,936.10	4,936.10	4,936.10	21.78	195.20	-173.30	-20.02	-188.25	1,170.92	964.51	206.41	5.673	
5,200.00	5,035.36	5,035.36	5,035.36	22.03	199.17	-173.39	-20.02	-188.25	1,182.93	971.62	211.32	5.598	
5,300.00	5,134.98	5,134.98	5,134.98	22.24	203.16	-173.46	-20.02	-188.25	1,191.49	975.49	216.00	5.516	
5,400.00	5,234.85	5,234.85	5,234.85	22.41	207.15	-173.50	-20.02	-188.25	1,196.60	976.16	220.44	5.428	
5,497.17	5,332.00	5,332.00	5,332.00	22.52	211.04	-135.22	-20.02	-188.25	1,198.23	973.73	224.50	5.337	
5,500.00	5,334.83	5,334.83	5,334.83	22.52	211.15	-135.22	-20.02	-188.25	1,198.23	973.61	224.62	5.334	
5,600.00	5,434.83	5,434.83	5,434.83	22.64	215.15	-135.22	-20.02	-188.25	1,198.23	969.43	228.80	5.237	
5,700.00	5,534.83	5,534.83	5,534.83	22.75	219.15	-135.22	-20.02	-188.25	1,198.23	965.25	232.98	5.143	
5,800.00	5,634.83	5,634.83	5,634.83	22.86	223.15	-135.22	-20.02	-188.25	1,198.23	961.06	237.17	5.052	
5,900.00	5,734.83	5,734.83	5,734.83	22.98	227.15	-135.22	-20.02	-188.25	1,198.23	956.88	241.35	4.965	
6,000.00	5,834.83	5,834.83	5,834.83	23.09	231.15	-135.22	-20.02	-188.25	1,198.23	952.69	245.54	4.880	
6,100.00	5,934.83	5,934.83	5,934.83	23.21	235.15	-135.22	-20.02	-188.25	1,198.23	948.51	249.72	4.798	
6,200.00	6,034.83	6,034.83	6,034.83	23.33	239.15	-135.22	-20.02	-188.25	1,198.23	944.32	253.91	4.719	
6,300.00	6,134.83	6,134.83	6,134.83	23.45	243.15	-135.22	-20.02	-188.25	1,198.23	940.13	258.10	4.642	

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 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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 - 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		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					
6,400.00	6,234.83	6,234.83	6,234.83	23.58	247.15	-135.22	-20.02	-188.25	1,198.23	935.94	262.29	4.568					
6,500.00	6,334.83	6,334.83	6,334.83	23.70	251.15	-135.22	-20.02	-188.25	1,198.23	931.75	266.48	4.496					
6,600.00	6,434.83	6,434.83	6,434.83	23.83	255.15	-135.22	-20.02	-188.25	1,198.23	927.56	270.67	4.427					
6,700.00	6,534.83	6,534.83	6,534.83	23.96	259.15	-135.22	-20.02	-188.25	1,198.23	923.37	274.87	4.359					
6,800.00	6,634.83	6,634.83	6,634.83	24.08	263.15	-135.22	-20.02	-188.25	1,198.23	919.17	279.06	4.294					
6,900.00	6,734.83	6,734.83	6,734.83	24.21	267.15	-135.22	-20.02	-188.25	1,198.23	914.98	283.25	4.230					
7,000.00	6,834.83	6,834.83	6,834.83	24.35	271.15	-135.22	-20.02	-188.25	1,198.23	910.78	287.45	4.169					
7,100.00	6,934.83	6,934.83	6,934.83	24.48	275.15	-135.22	-20.02	-188.25	1,198.23	906.59	291.65	4.109					
7,200.00	7,034.83	7,034.83	7,034.83	24.61	279.15	-135.22	-20.02	-188.25	1,198.23	902.39	295.84	4.050					
7,300.00	7,134.83	7,134.83	7,134.83	24.75	283.15	-135.22	-20.02	-188.25	1,198.23	898.19	300.04	3.994					
7,400.00	7,234.83	7,234.83	7,234.83	24.89	287.15	-135.22	-20.02	-188.25	1,198.23	894.00	304.24	3.938					
7,500.00	7,334.83	7,334.83	7,334.83	25.03	291.15	-135.22	-20.02	-188.25	1,198.23	889.80	308.44	3.885					
7,600.00	7,434.83	7,434.83	7,434.83	25.16	295.15	-135.22	-20.02	-188.25	1,198.23	885.60	312.63	3.833					
7,700.00	7,534.83	7,534.83	7,534.83	25.31	299.15	-135.22	-20.02	-188.25	1,198.23	881.40	316.83	3.782					
7,800.00	7,634.83	7,634.83	7,634.83	25.45	303.15	-135.22	-20.02	-188.25	1,198.23	877.20	321.03	3.732					
7,900.00	7,734.83	7,734.83	7,734.83	25.59	307.15	-135.22	-20.02	-188.25	1,198.23	873.00	325.24	3.684					
8,000.00	7,834.83	7,834.83	7,834.83	25.74	311.15	-135.22	-20.02	-188.25	1,198.23	868.80	329.44	3.637					
8,100.00	7,934.83	7,934.83	7,934.83	25.88	315.15	-135.22	-20.02	-188.25	1,198.23	864.59	333.64	3.591					
8,200.00	8,034.83	8,034.83	8,034.83	26.03	319.15	-135.22	-20.02	-188.25	1,198.23	860.39	337.84	3.547					
8,300.00	8,134.83	8,134.83	8,134.83	26.18	323.15	-135.22	-20.02	-188.25	1,198.23	856.19	342.04	3.503					
8,400.00	8,234.83	8,234.83	8,234.83	26.32	327.15	-135.22	-20.02	-188.25	1,198.23	851.98	346.25	3.461					
8,500.00	8,334.83	8,334.83	8,334.83	26.47	331.15	-135.22	-20.02	-188.25	1,198.23	847.78	350.45	3.419					
8,600.00	8,434.83	8,434.83	8,434.83	26.63	335.15	-135.22	-20.02	-188.25	1,198.23	843.58	354.66	3.379					
8,649.17	8,484.00	8,484.00	8,484.00	26.70	337.12	-135.22	-20.02	-188.25	1,198.23	841.51	356.72	3.359					



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	-105.03	-53.14	-197.91	204.92				
100.00	100.00	100.00	100.00	0.10	0.10	-105.03	-53.14	-197.91	204.92	204.73	0.19	1,054.011	
200.00	200.00	200.00	200.00	0.32	0.32	-105.03	-53.14	-197.91	204.92	204.28	0.64	318.227	
300.00	300.00	300.00	300.00	0.55	0.55	-105.03	-53.14	-197.91	204.92	203.83	1.09	187.404	
400.00	400.00	400.00	400.00	0.77	0.77	-105.03	-53.14	-197.91	204.92	203.38	1.54	132.807	
500.00	500.00	500.00	500.00	0.99	1.00	-105.03	-53.14	-197.91	204.92	202.93	1.99	102.845	
600.00	600.00	600.00	600.00	1.22	1.22	-105.03	-53.14	-197.91	204.92	202.48	2.44	83.914	
700.00	700.00	700.00	700.00	1.44	1.45	-105.03	-53.14	-197.91	204.92	202.03	2.89	70.868	
800.00	800.00	800.00	800.00	1.67	1.67	-105.03	-53.14	-197.91	204.92	201.58	3.34	61.333	
900.00	900.00	900.00	900.00	1.89	1.90	-105.03	-53.14	-197.91	204.92	201.13	3.79	54.060	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-105.03	-53.14	-197.91	204.92	200.68	4.24	48.329	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.35	-105.03	-53.14	-197.91	204.92	200.23	4.69	43.696	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	-105.03	-53.14	-197.91	204.92	199.78	5.14	39.874	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.80	-105.03	-53.14	-197.91	204.92	199.33	5.59	36.667	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	-105.03	-53.14	-197.91	204.92	198.89	6.04	33.937 CC, ES	
1,500.00	1,499.98	1,499.98	1,499.98	3.24	3.25	-143.59	-53.14	-197.91	206.33	199.84	6.48	31.832	
1,600.00	1,599.84	1,598.33	1,598.31	3.46	3.47	-143.92	-51.65	-198.70	210.92	204.01	6.91	30.520	
1,700.00	1,699.45	1,696.45	1,696.30	3.69	3.68	-143.85	-47.19	-201.06	219.05	211.71	7.33	29.868	
1,800.00	1,798.70	1,794.14	1,793.62	3.92	3.91	-143.43	-39.80	-204.96	230.70	222.94	7.76	29.733	
1,900.00	1,897.47	1,891.18	1,889.97	4.18	4.14	-142.71	-29.57	-210.37	245.86	237.67	8.19	30.002	
2,000.00	1,995.62	1,987.40	1,985.05	4.47	4.38	-141.77	-16.57	-217.24	264.54	255.89	8.65	30.574	
2,100.00	2,093.06	2,082.60	2,078.59	4.80	4.65	-140.68	-0.95	-225.50	286.72	277.58	9.14	31.359	
2,200.00	2,189.64	2,176.62	2,170.35	5.17	4.95	-139.49	17.18	-235.08	312.38	302.70	9.68	32.273	
2,300.00	2,285.27	2,269.31	2,260.10	5.60	5.28	-138.25	37.63	-245.89	341.49	331.22	10.27	33.258	
2,393.32	2,373.54	2,357.45	2,345.03	6.05	5.62	-137.24	58.45	-256.90	371.39	360.50	10.88	34.130	
2,400.00	2,379.82	2,363.75	2,351.10	6.08	5.65	-137.21	59.94	-257.68	373.60	362.67	10.93	34.180	
2,500.00	2,473.87	2,458.05	2,441.97	6.61	6.04	-136.85	82.22	-269.46	406.80	395.11	11.68	34.816	
2,600.00	2,567.92	2,552.35	2,532.84	7.17	6.45	-136.54	104.50	-281.23	440.00	427.53	12.47	35.275	
2,700.00	2,661.96	2,646.65	2,623.71	7.74	6.88	-136.27	126.78	-293.01	473.22	459.93	13.29	35.602	
2,800.00	2,756.01	2,740.95	2,714.59	8.33	7.31	-136.04	149.06	-304.79	506.45	492.31	14.14	35.829	
2,900.00	2,850.06	2,835.25	2,805.46	8.94	7.76	-135.83	171.34	-316.56	539.68	524.68	15.00	35.983	
3,000.00	2,944.11	2,929.55	2,896.33	9.55	8.22	-135.66	193.62	-328.34	572.92	557.04	15.88	36.081	
3,100.00	3,038.16	3,023.85	2,987.20	10.17	8.68	-135.50	215.90	-340.11	606.16	589.38	16.77	36.139	
3,200.00	3,132.21	3,118.15	3,078.07	10.80	9.15	-135.35	238.18	-351.89	639.40	621.72	17.68	36.165	
3,300.00	3,226.26	3,212.45	3,168.94	11.44	9.62	-135.22	260.46	-363.67	672.65	654.05	18.60	36.169	
3,400.00	3,320.31	3,306.75	3,259.81	12.07	10.10	-135.11	282.74	-375.44	705.90	686.38	19.52	36.156	
3,500.00	3,414.35	3,401.05	3,350.68	12.72	10.58	-135.00	305.02	-387.22	739.16	718.70	20.46	36.131	
3,600.00	3,508.40	3,495.35	3,441.55	13.37	11.07	-134.90	327.30	-398.99	772.41	751.01	21.40	36.096	
3,700.00	3,602.45	3,589.65	3,532.42	14.02	11.56	-134.81	349.58	-410.77	805.67	783.32	22.35	36.055	
3,800.00	3,696.50	3,683.96	3,623.29	14.67	12.05	-134.73	371.86	-422.55	838.93	815.63	23.30	36.009	
3,900.00	3,790.55	3,778.26	3,714.16	15.32	12.54	-134.65	394.14	-434.32	872.19	847.94	24.25	35.960	
4,000.00	3,884.60	3,872.56	3,805.04	15.98	13.04	-134.58	416.42	-446.10	905.45	880.24	25.22	35.909	
4,100.00	3,978.65	3,966.86	3,895.91	16.64	13.54	-134.52	438.70	-457.87	938.71	912.53	26.18	35.857	
4,200.00	4,072.70	4,061.16	3,986.78	17.30	14.04	-134.46	460.98	-469.65	971.98	944.83	27.15	35.804	
4,300.00	4,166.74	4,155.46	4,077.65	17.96	14.54	-134.40	483.26	-481.43	1,005.24	977.13	28.12	35.751	
4,400.00	4,260.79	4,249.76	4,168.52	18.62	15.04	-134.35	505.54	-493.20	1,038.51	1,009.42	29.09	35.699	
4,503.85	4,358.46	4,347.69	4,262.89	19.31	15.56	-134.30	528.68	-505.43	1,073.06	1,042.95	30.10	35.645	
4,600.00	4,449.42	4,438.71	4,350.60	19.87	16.05	-134.65	550.19	-516.80	1,103.98	1,072.90	31.07	35.531	
4,700.00	4,545.08	4,534.03	4,442.45	20.33	16.56	-134.86	572.71	-528.70	1,133.86	1,101.84	32.01	35.417	
4,800.00	4,641.69	4,629.92	4,534.85	20.76	17.07	-134.92	595.36	-540.67	1,161.41	1,128.47	32.94	35.261	
4,900.00	4,739.14	4,726.25	4,627.68	21.14	17.59	-134.83	618.12	-552.70	1,186.64	1,152.80	33.83	35.072	
5,000.00	4,837.32	4,822.90	4,720.82	21.48	18.11	-134.61	640.96	-564.77	1,209.57	1,174.87	34.70	34.857	

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 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	4,936.10	4,919.77	4,814.16	21.78	18.63	-134.26	663.85	-576.87	1,230.24	1,194.70	35.53	34.622	
5,200.00	5,035.36	5,016.73	4,907.60	22.03	19.16	-133.78	686.75	-588.98	1,248.70	1,212.37	36.33	34.373	
5,300.00	5,134.98	5,113.66	5,001.00	22.24	19.68	-133.19	709.66	-601.08	1,265.02	1,227.94	37.08	34.116	
5,400.00	5,234.85	5,212.14	5,095.91	22.41	20.20	-132.46	732.91	-613.37	1,279.28	1,241.49	37.79	33.852	
5,497.17	5,332.00	5,328.32	5,208.54	22.52	20.71	-93.24	758.02	-626.65	1,290.32	1,251.88	38.45	33.559	
5,500.00	5,334.83	5,331.73	5,211.87	22.52	20.73	-93.21	758.70	-627.00	1,290.59	1,252.13	38.47	33.551	
5,600.00	5,434.83	5,453.44	5,331.05	22.64	21.15	-92.21	780.53	-638.54	1,299.37	1,260.31	39.06	33.270	
5,700.00	5,534.83	5,577.11	5,453.09	22.75	21.52	-91.43	798.11	-647.83	1,306.51	1,266.93	39.58	33.009	
5,800.00	5,634.83	5,702.29	5,577.39	22.86	21.84	-90.85	811.14	-654.72	1,311.83	1,271.79	40.04	32.764	
5,900.00	5,734.83	5,828.54	5,703.28	22.98	22.08	-90.49	819.42	-659.09	1,315.23	1,274.80	40.42	32.535	
6,000.00	5,834.83	5,955.37	5,830.04	23.09	22.26	-90.34	822.78	-660.87	1,316.61	1,275.86	40.75	32.311	
6,100.00	5,934.83	6,060.15	5,934.83	23.21	22.39	-90.34	822.86	-660.91	1,316.64	1,275.63	41.02	32.100	
6,200.00	6,034.83	6,160.15	6,034.83	23.33	22.51	-90.34	822.86	-660.91	1,316.64	1,275.36	41.28	31.892	
6,300.00	6,134.83	6,260.15	6,134.83	23.45	22.64	-90.34	822.86	-660.91	1,316.64	1,275.09	41.56	31.684	
6,400.00	6,234.83	6,360.15	6,234.83	23.58	22.77	-90.34	822.86	-660.91	1,316.64	1,274.81	41.83	31.476	
6,500.00	6,334.83	6,460.15	6,334.83	23.70	22.90	-90.34	822.86	-660.91	1,316.64	1,274.54	42.11	31.269	
6,600.00	6,434.83	6,560.15	6,434.83	23.83	23.03	-90.34	822.86	-660.91	1,316.64	1,274.26	42.39	31.062	
6,700.00	6,534.83	6,660.15	6,534.83	23.96	23.16	-90.34	822.86	-660.91	1,316.64	1,273.97	42.67	30.856	
6,800.00	6,634.83	6,760.15	6,634.83	24.08	23.30	-90.34	822.86	-660.91	1,316.64	1,273.69	42.96	30.651	
6,900.00	6,734.83	6,860.15	6,734.83	24.21	23.44	-90.34	822.86	-660.91	1,316.64	1,273.40	43.24	30.447	
7,000.00	6,834.83	6,960.15	6,834.83	24.35	23.57	-90.34	822.86	-660.91	1,316.64	1,273.11	43.54	30.243	
7,100.00	6,934.83	7,060.15	6,934.83	24.48	23.71	-90.34	822.86	-660.91	1,316.64	1,272.81	43.83	30.040	
7,200.00	7,034.83	7,160.15	7,034.83	24.61	23.85	-90.34	822.86	-660.91	1,316.64	1,272.52	44.13	29.838	
7,300.00	7,134.83	7,260.15	7,134.83	24.75	23.99	-90.34	822.86	-660.91	1,316.64	1,272.22	44.43	29.637	
7,400.00	7,234.83	7,360.15	7,234.83	24.89	24.13	-90.34	822.86	-660.91	1,316.64	1,271.92	44.73	29.437	
7,500.00	7,334.83	7,460.15	7,334.83	25.03	24.28	-90.34	822.86	-660.91	1,316.64	1,271.61	45.03	29.238	
7,600.00	7,434.83	7,560.15	7,434.83	25.16	24.42	-90.34	822.86	-660.91	1,316.64	1,271.31	45.34	29.041	
7,648.85	7,483.68	7,609.00	7,483.68	25.23	24.49	-90.34	822.86	-660.91	1,316.64	1,271.16	45.49	28.945	
7,700.00	7,534.83	7,625.32	7,500.00	25.31	24.52	-90.34	822.86	-660.91	1,317.11	1,271.51	45.59	28.888 SF	
7,800.00	7,634.83	7,625.32	7,500.00	25.45	24.52	-90.34	822.86	-660.91	1,323.53	1,277.78	45.75	28.930	
7,900.00	7,734.83	7,625.32	7,500.00	25.59	24.52	-90.34	822.86	-660.91	1,337.42	1,291.51	45.91	29.133	
8,000.00	7,834.83	7,625.32	7,500.00	25.74	24.52	-90.34	822.86	-660.91	1,358.55	1,312.48	46.07	29.491	
8,100.00	7,934.83	7,625.32	7,500.00	25.88	24.52	-90.34	822.86	-660.91	1,386.59	1,340.36	46.23	29.995	
8,200.00	8,034.83	7,625.32	7,500.00	26.03	24.52	-90.34	822.86	-660.91	1,421.12	1,374.74	46.39	30.635	
8,300.00	8,134.83	7,625.32	7,500.00	26.18	24.52	-90.34	822.86	-660.91	1,461.70	1,415.15	46.55	31.400	
8,400.00	8,234.83	7,625.32	7,500.00	26.32	24.52	-90.34	822.86	-660.91	1,507.82	1,461.11	46.71	32.277	
8,500.00	8,334.83	7,625.32	7,500.00	26.47	24.52	-90.34	822.86	-660.91	1,559.00	1,512.12	46.88	33.256	
8,600.00	8,434.83	7,625.32	7,500.00	26.63	24.52	-90.34	822.86	-660.91	1,614.76	1,567.72	47.04	34.324	
8,649.17	8,484.00	7,625.32	7,500.00	26.70	24.52	-90.34	822.86	-660.91	1,643.72	1,596.59	47.13	34.879	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	-180.00	-43.70	0.00	43.70				
100.00	100.00	100.00	100.00	0.10	0.10	-180.00	-43.70	0.00	43.70	43.51	0.19	228.757	
200.00	200.00	200.00	200.00	0.32	0.32	-180.00	-43.70	0.00	43.70	43.06	0.64	68.226	
300.00	300.00	300.00	300.00	0.55	0.55	-180.00	-43.70	0.00	43.70	42.61	1.09	40.092	
400.00	400.00	400.00	400.00	0.77	0.77	-180.00	-43.70	0.00	43.70	42.16	1.54	28.386	
500.00	500.00	500.00	500.00	0.99	0.99	-180.00	-43.70	0.00	43.70	41.72	1.99	21.971	
600.00	600.00	600.00	600.00	1.22	1.22	-180.00	-43.70	0.00	43.70	41.27	2.44	17.921	
700.00	700.00	700.00	700.00	1.44	1.44	-180.00	-43.70	0.00	43.70	40.82	2.89	15.132	
800.00	800.00	800.00	800.00	1.67	1.67	-180.00	-43.70	0.00	43.70	40.37	3.34	13.094	
900.00	900.00	900.00	900.00	1.89	1.89	-180.00	-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	-180.00	-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	-180.00	-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	-180.00	-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	-180.00	-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	-180.00	-43.70	0.00	43.70	37.67	6.03	7.242 CC, ES	
1,500.00	1,499.98	1,498.50	1,498.48	3.24	3.21	142.25	-45.29	0.60	46.68	40.24	6.45	7.239 SF	
1,600.00	1,599.84	1,596.47	1,596.32	3.46	3.38	143.50	-50.01	2.38	55.63	48.79	6.83	8.141	
1,700.00	1,699.45	1,693.39	1,692.88	3.69	3.56	144.85	-57.75	5.30	70.51	63.29	7.22	9.768	
1,800.00	1,798.70	1,788.75	1,787.56	3.92	3.76	145.95	-68.34	9.30	91.26	83.65	7.61	11.997	
1,900.00	1,897.47	1,882.10	1,879.83	4.18	3.97	146.73	-81.57	14.29	117.75	109.75	8.00	14.720	
2,000.00	1,995.62	1,973.03	1,969.21	4.47	4.21	147.23	-97.14	20.17	149.80	141.41	8.40	17.838	
2,100.00	2,093.06	2,061.15	2,055.29	4.80	4.48	147.51	-114.76	26.82	187.24	178.43	8.81	21.262	
2,200.00	2,189.64	2,146.16	2,137.75	5.17	4.77	147.61	-134.10	34.12	229.84	220.61	9.23	24.910	
2,300.00	2,285.27	2,227.79	2,216.32	5.60	5.09	147.58	-154.82	41.95	277.36	267.70	9.66	28.710	
2,393.32	2,373.54	2,300.00	2,285.27	6.05	5.40	147.44	-174.88	49.52	325.94	315.86	10.08	32.343	
2,400.00	2,379.82	2,305.86	2,290.84	6.08	5.43	147.48	-176.58	50.16	329.56	319.44	10.12	32.580	
2,500.00	2,473.87	2,381.06	2,362.00	6.61	5.81	147.80	-199.33	58.75	384.81	374.15	10.66	36.101	
2,600.00	2,567.92	2,454.04	2,430.41	7.17	6.21	147.88	-223.08	67.71	441.93	430.70	11.22	39.373	
2,700.00	2,661.96	2,524.79	2,496.11	7.74	6.62	147.82	-247.65	76.99	500.81	489.00	11.80	42.424	
2,800.00	2,756.01	2,600.00	2,565.21	8.33	7.10	147.65	-275.42	87.47	561.43	549.01	12.42	45.206	
2,900.00	2,850.06	2,668.26	2,627.45	8.94	7.58	147.45	-301.66	97.38	623.20	610.16	13.03	47.811	
3,000.00	2,944.11	2,746.78	2,699.02	9.55	8.13	147.25	-331.88	108.78	685.10	671.41	13.70	50.026	
3,100.00	3,038.16	2,825.30	2,770.58	10.17	8.70	147.09	-362.09	120.19	747.01	732.64	14.37	51.994	
3,200.00	3,132.21	2,903.81	2,842.15	10.80	9.28	146.96	-392.31	131.60	808.92	793.87	15.05	53.749	
3,300.00	3,226.26	2,982.33	2,913.71	11.44	9.88	146.84	-422.53	143.01	870.83	855.09	15.74	55.314	
3,400.00	3,320.31	3,060.85	2,985.28	12.07	10.47	146.74	-452.75	154.41	932.75	916.30	16.44	56.719	
3,500.00	3,414.35	3,139.37	3,056.85	12.72	11.08	146.65	-482.96	165.82	994.67	977.51	17.15	57.986	
3,600.00	3,508.40	3,217.88	3,128.41	13.37	11.69	146.57	-513.18	177.23	1,056.59	1,038.72	17.87	59.132	
3,700.00	3,602.45	3,296.40	3,199.98	14.02	12.30	146.50	-543.40	188.63	1,118.50	1,099.92	18.59	60.170	
3,800.00	3,696.50	3,374.92	3,271.54	14.67	12.92	146.44	-573.62	200.04	1,180.42	1,161.11	19.32	61.113	
3,900.00	3,790.55	3,453.43	3,343.11	15.32	13.54	146.38	-603.83	211.45	1,242.35	1,222.30	20.05	61.974	
4,000.00	3,884.60	3,531.95	3,414.67	15.98	14.16	146.33	-634.05	222.86	1,304.27	1,283.49	20.78	62.763	
4,100.00	3,978.65	3,610.47	3,486.24	16.64	14.79	146.28	-664.27	234.26	1,366.19	1,344.67	21.52	63.488	
4,200.00	4,072.70	3,688.98	3,557.81	17.30	15.42	146.24	-694.49	245.67	1,428.11	1,405.85	22.26	64.154	
4,300.00	4,166.74	3,767.50	3,629.37	17.96	16.05	146.20	-724.71	257.08	1,490.04	1,467.03	23.01	64.768	
4,400.00	4,260.79	3,846.02	3,700.94	18.62	16.68	146.17	-754.92	268.48	1,551.96	1,528.21	23.75	65.337	
4,503.85	4,358.46	3,927.56	3,775.26	19.31	17.34	146.13	-786.30	280.33	1,616.27	1,591.74	24.53	65.884	
4,600.00	4,449.42	4,003.86	3,844.81	19.87	17.96	146.88	-815.67	291.42	1,674.75	1,649.36	25.38	65.985	
4,700.00	4,545.08	4,084.87	3,918.64	20.33	18.62	147.52	-846.85	303.19	1,733.27	1,707.06	26.21	66.133	
4,800.00	4,641.69	4,167.46	3,993.92	20.76	19.29	148.03	-878.63	315.18	1,789.39	1,762.37	27.02	66.218	
4,900.00	4,739.14	4,251.54	4,070.56	21.14	19.97	148.44	-910.99	327.40	1,843.06	1,815.24	27.82	66.256	
5,000.00	4,837.32	4,337.00	4,148.45	21.48	20.67	148.75	-943.88	339.82	1,894.23	1,865.64	28.59	66.261	

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 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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 - P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1 09-01-09 RHS												Offset Well Error:	0.00 ft
Survey Program: 0-MWD													
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	4,936.10	4,423.73	4,227.51	21.78	21.38	148.97	-977.26	352.42	1,942.87	1,913.54	29.33	66.247	
5,200.00	5,035.36	4,511.64	4,307.64	22.03	22.10	149.11	-1,011.09	365.19	1,988.93	1,958.90	30.03	66.223	
5,300.00	5,134.98	4,600.62	4,388.74	22.24	22.83	149.17	-1,045.34	378.12	2,032.41	2,001.70	30.70	66.196	
5,400.00	5,234.85	4,690.55	4,470.71	22.41	23.56	149.16	-1,079.95	391.18	2,073.27	2,041.94	31.33	66.174	
5,497.17	5,332.00	4,778.76	4,551.10	22.52	24.29	-172.62	-1,113.89	404.00	2,110.47	2,078.57	31.90	66.164	
5,500.00	5,334.83	4,781.33	4,553.45	22.52	24.31	-172.64	-1,114.89	404.37	2,111.51	2,079.60	31.91	66.165	
5,600.00	5,434.83	4,872.48	4,636.53	22.64	25.06	-173.14	-1,149.96	417.61	2,148.59	2,116.13	32.47	66.178	
5,700.00	5,534.83	4,963.63	4,719.61	22.75	25.80	-173.63	-1,185.04	430.85	2,185.82	2,152.80	33.02	66.205	
5,800.00	5,634.83	5,054.78	4,802.69	22.86	26.55	-174.11	-1,220.12	444.10	2,223.18	2,189.62	33.56	66.245	
5,900.00	5,734.83	5,145.92	4,885.76	22.98	27.30	-174.57	-1,255.20	457.34	2,260.68	2,226.58	34.10	66.295	
6,000.00	5,834.83	5,237.07	4,968.84	23.09	28.05	-175.01	-1,290.28	470.58	2,298.30	2,263.66	34.64	66.356	
6,100.00	5,934.83	5,328.22	5,051.92	23.21	28.80	-175.44	-1,325.36	483.82	2,336.03	2,300.87	35.17	66.425	
6,200.00	6,034.83	5,419.36	5,135.00	23.33	29.56	-175.86	-1,360.43	497.07	2,373.88	2,338.19	35.70	66.501	
6,300.00	6,134.83	5,510.51	5,218.08	23.45	30.31	-176.26	-1,395.51	510.31	2,411.84	2,375.62	36.22	66.585	
6,400.00	6,234.83	5,601.66	5,301.15	23.58	31.06	-176.65	-1,430.59	523.55	2,449.90	2,413.16	36.74	66.674	
6,500.00	6,334.83	5,692.81	5,384.23	23.70	31.81	-177.04	-1,465.67	536.79	2,488.06	2,450.80	37.26	66.769	
6,600.00	6,434.83	5,783.95	5,467.31	23.83	32.56	-177.40	-1,500.75	550.03	2,526.32	2,488.53	37.78	66.868	
6,700.00	6,534.83	5,875.10	5,550.39	23.96	33.32	-177.76	-1,535.83	563.28	2,564.66	2,526.36	38.29	66.972	
6,800.00	6,634.83	5,966.25	5,633.47	24.08	34.07	-178.11	-1,570.91	576.53	2,602.90	2,563.86	38.80	67.077	
6,900.00	6,734.83	6,057.40	5,716.55	24.21	34.82	-178.46	-1,606.00	589.78	2,641.14	2,602.60	39.31	67.182	
7,000.00	6,834.83	6,148.55	5,799.63	24.35	35.57	-178.81	-1,641.08	603.03	2,679.38	2,640.40	39.82	67.287	
7,100.00	6,934.83	7,240.00	5,882.71	24.48	36.32	-179.16	-1,676.16	616.28	2,717.62	2,678.64	40.33	67.392	
7,200.00	7,034.83	7,331.15	5,965.80	24.61	37.07	-179.51	-1,711.24	629.53	2,755.86	2,716.88	40.84	67.497	
7,300.00	7,134.83	7,422.30	6,048.88	24.75	37.82	-179.86	-1,746.32	642.78	2,794.10	2,755.12	41.35	67.602	
7,400.00	7,234.83	7,513.45	6,131.97	24.89	38.57	-180.21	-1,781.40	656.03	2,832.34	2,793.36	41.86	67.707	
7,500.00	7,334.83	7,604.60	6,215.06	25.03	39.32	-180.56	-1,816.48	669.28	2,870.58	2,831.60	42.37	67.812	
7,600.00	7,434.83	7,695.75	6,298.15	25.16	40.07	-180.91	-1,851.56	682.53	2,908.82	2,869.84	42.88	67.917	
7,700.00	7,534.83	7,786.90	6,381.24	25.31	40.82	-181.26	-1,886.64	695.78	2,947.06	2,908.08	43.39	68.022	
7,800.00	7,634.83	7,878.05	6,464.33	25.45	41.57	-181.61	-1,921.72	709.03	2,985.30	2,946.32	43.90	68.127	
7,900.00	7,734.83	7,969.20	6,547.42	25.59	42.32	-181.96	-1,956.80	722.28	3,023.54	2,984.56	44.41	68.232	
8,000.00	7,834.83	8,060.35	6,630.51	25.74	43.07	-182.31	-1,991.88	735.53	3,061.78	3,022.80	44.92	68.337	
8,100.00	7,934.83	8,151.50	6,713.60	25.88	43.82	-182.66	-2,026.96	748.78	3,099.99	3,061.01	45.43	68.442	
8,200.00	8,034.83	8,242.65	6,796.69	26.03	44.57	-183.01	-2,062.04	762.03	3,138.23	3,099.25	45.94	68.547	
8,300.00	8,134.83	8,333.80	6,879.78	26.18	45.32	-183.36	-2,097.12	775.28	3,176.47	3,137.49	46.45	68.652	
8,400.00	8,234.83	8,424.95	6,962.87	26.32	46.07	-183.71	-2,132.20	788.53	3,214.71	3,175.73	46.96	68.757	
8,500.00	8,334.83	8,516.10	7,045.96	26.47	46.82	-184.06	-2,167.28	801.78	3,252.95	3,213.97	47.47	68.862	
8,600.00	8,434.83	8,607.25	7,129.05	26.63	47.57	-184.41	-2,202.36	815.03	3,291.19	3,252.21	47.98	68.967	
8,649.17	8,484.00	8,651.68	7,172.14	26.70	48.32	-184.76	-2,237.44	828.28	3,329.43	3,290.45	48.49	69.072	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	-180.00	-58.28	0.00	58.28					
100.00	100.00	100.00	100.00	0.10	0.10	-180.00	-58.28	0.00	58.28	58.09	0.19	305.069		
200.00	200.00	200.00	200.00	0.32	0.32	-180.00	-58.28	0.00	58.28	57.64	0.64	90.986		
300.00	300.00	300.00	300.00	0.55	0.55	-180.00	-58.28	0.00	58.28	57.19	1.09	53.466		
400.00	400.00	400.00	400.00	0.77	0.77	-180.00	-58.28	0.00	58.28	56.74	1.54	37.855		
500.00	500.00	500.00	500.00	0.99	0.99	-180.00	-58.28	0.00	58.28	56.29	1.99	29.300		
600.00	600.00	600.00	600.00	1.22	1.22	-180.00	-58.28	0.00	58.28	55.85	2.44	23.899		
700.00	700.00	700.00	700.00	1.44	1.44	-180.00	-58.28	0.00	58.28	55.40	2.89	20.180		
800.00	800.00	800.00	800.00	1.67	1.67	-180.00	-58.28	0.00	58.28	54.95	3.34	17.462		
900.00	900.00	900.00	900.00	1.89	1.89	-180.00	-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	-180.00	-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	-180.00	-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	-180.00	-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	-180.00	-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	-180.00	-58.28	0.00	58.28	52.25	6.03	9.658 CC, ES		
1,500.00	1,499.98	1,498.01	1,497.99	3.24	3.21	143.21	-59.86	-0.58	61.28	54.83	6.45	9.504 SF		
1,600.00	1,599.84	1,595.35	1,595.20	3.46	3.38	146.92	-64.53	-2.31	70.47	63.64	6.83	10.318		
1,700.00	1,699.45	1,691.34	1,690.84	3.69	3.56	151.27	-72.16	-5.14	86.21	79.00	7.21	11.961		
1,800.00	1,798.70	1,785.37	1,784.21	3.92	3.75	155.16	-82.55	-8.99	108.66	101.08	7.58	14.336		
1,900.00	1,897.47	1,876.87	1,874.67	4.18	3.96	158.24	-95.42	-13.75	137.72	129.78	7.94	17.340		
2,000.00	1,995.62	1,965.33	1,961.67	4.47	4.18	160.53	-110.42	-19.31	173.17	164.87	8.30	20.874		
2,100.00	2,093.06	2,050.33	2,044.76	4.80	4.43	162.20	-127.21	-25.53	214.69	206.05	8.64	24.848		
2,200.00	2,189.64	2,131.50	2,123.57	5.17	4.70	163.41	-145.39	-32.26	261.96	252.99	8.97	29.190		
2,300.00	2,285.27	2,208.57	2,197.87	5.60	4.99	164.27	-164.58	-39.37	314.64	305.34	9.30	33.836		
2,393.32	2,373.54	2,276.61	2,262.99	6.05	5.28	164.84	-183.08	-46.22	368.38	358.78	9.60	38.389		
2,400.00	2,379.82	2,281.34	2,267.50	6.08	5.30	164.90	-184.41	-46.71	372.38	362.76	9.62	38.697		
2,500.00	2,473.87	2,350.74	2,333.39	6.61	5.63	165.65	-204.87	-54.29	433.36	423.32	10.04	43.178		
2,600.00	2,567.92	2,417.62	2,396.36	7.17	5.97	166.18	-226.00	-62.11	496.23	485.78	10.45	47.468		
2,700.00	2,661.96	2,482.03	2,456.49	7.74	6.32	166.57	-247.64	-70.13	560.89	550.01	10.88	51.569		
2,800.00	2,756.01	2,544.06	2,513.89	8.33	6.70	166.86	-269.67	-78.29	627.21	615.91	11.30	55.492		
2,900.00	2,850.06	2,603.76	2,568.65	8.94	7.07	167.08	-291.98	-86.55	695.11	683.38	11.73	59.267		
3,000.00	2,944.11	2,673.71	2,632.41	9.55	7.55	167.28	-318.93	-96.54	764.00	751.82	12.18	62.706		
3,100.00	3,038.16	2,746.14	2,698.44	10.17	8.05	167.46	-346.87	-106.88	832.92	820.27	12.65	65.841		
3,200.00	3,132.21	2,818.58	2,764.47	10.80	8.56	167.61	-374.80	-117.23	901.85	888.73	13.12	68.727		
3,300.00	3,226.26	2,891.01	2,830.49	11.44	9.08	167.73	-402.73	-127.57	970.77	957.17	13.60	71.380		
3,400.00	3,320.31	2,963.44	2,896.52	12.07	9.61	167.84	-430.67	-137.92	1,039.70	1,025.62	14.08	73.820		
3,500.00	3,414.35	3,035.88	2,962.55	12.72	10.15	167.94	-458.60	-148.26	1,108.63	1,094.06	14.57	76.078		
3,600.00	3,508.40	3,108.31	3,028.57	13.37	10.69	168.03	-486.53	-158.61	1,177.57	1,162.50	15.06	78.170		
3,700.00	3,602.45	3,180.75	3,094.60	14.02	11.24	168.10	-514.47	-168.95	1,246.50	1,230.94	15.56	80.105		
3,800.00	3,696.50	3,253.18	3,160.63	14.67	11.79	168.17	-542.40	-179.30	1,315.44	1,299.37	16.06	81.903		
3,900.00	3,790.55	3,325.62	3,226.65	15.32	12.34	168.23	-570.34	-189.65	1,384.37	1,367.81	16.56	83.579		
4,000.00	3,884.60	3,398.05	3,292.68	15.98	12.90	168.29	-598.27	-199.99	1,453.31	1,436.24	17.07	85.142		
4,100.00	3,978.65	3,470.49	3,358.70	16.64	13.46	168.34	-626.20	-210.34	1,522.24	1,504.67	17.58	86.597		
4,200.00	4,072.70	3,542.92	3,424.73	17.30	14.02	168.38	-654.14	-220.68	1,591.18	1,573.09	18.09	87.960		
4,300.00	4,166.74	3,615.36	3,490.76	17.96	14.59	168.42	-682.07	-231.03	1,660.12	1,641.52	18.60	89.239		
4,400.00	4,260.79	3,687.79	3,556.78	18.62	15.15	168.46	-710.00	-241.37	1,729.06	1,709.94	19.12	90.439		
4,503.85	4,358.46	3,763.02	3,625.35	19.31	15.74	168.50	-739.01	-252.12	1,800.65	1,781.00	19.66	91.607		
4,600.00	4,449.42	3,833.74	3,689.82	19.87	16.30	168.87	-766.29	-262.22	1,865.78	1,845.47	20.31	91.871		
4,700.00	4,545.08	3,909.53	3,758.91	20.33	16.90	169.19	-795.51	-273.04	1,931.01	1,910.06	20.95	92.172		
4,800.00	4,641.69	3,987.51	3,829.99	20.76	17.51	169.45	-825.59	-284.18	1,993.60	1,972.02	21.58	92.383		
4,900.00	4,739.14	4,067.58	3,902.98	21.14	18.15	169.67	-856.46	-295.62	2,053.47	2,031.28	22.19	92.522		
5,000.00	4,837.32	4,149.65	3,977.78	21.48	18.80	169.85	-888.11	-307.34	2,110.57	2,087.78	22.79	92.603		

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 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	4,936.10	4,233.61	4,054.31	21.78	19.47	169.98	-920.49	-319.33	2,164.81	2,141.44	23.37	92.635	
5,200.00	5,035.36	4,319.36	4,132.48	22.03	20.15	170.09	-953.56	-331.58	2,216.14	2,192.22	23.93	92.626	
5,300.00	5,134.98	4,406.80	4,212.18	22.24	20.85	170.17	-987.28	-344.07	2,264.50	2,240.04	24.46	92.585	
5,400.00	5,234.85	4,495.82	4,293.32	22.41	21.56	170.21	-1,021.61	-356.78	2,309.82	2,284.85	24.97	92.517	
5,497.17	5,332.00	4,583.73	4,373.46	22.52	22.26	-151.48	-1,055.51	-369.34	2,350.91	2,325.48	25.43	92.429	
5,500.00	5,334.83	4,586.31	4,375.81	22.52	22.28	-151.48	-1,056.50	-369.70	2,352.06	2,326.62	25.45	92.426	
5,600.00	5,434.83	4,677.46	4,458.90	22.64	23.01	-151.62	-1,091.65	-382.72	2,392.84	2,366.91	25.93	92.272	
5,700.00	5,534.83	4,768.62	4,541.99	22.75	23.74	-151.76	-1,126.81	-395.74	2,433.63	2,407.22	26.42	92.119	
5,800.00	5,634.83	4,859.77	4,625.07	22.86	24.47	-151.89	-1,161.96	-408.76	2,474.44	2,447.53	26.91	91.968	
5,900.00	5,734.83	4,950.92	4,708.16	22.98	25.20	-152.01	-1,197.11	-421.78	2,515.25	2,487.86	27.39	91.819	
6,000.00	5,834.83	5,042.07	4,791.25	23.09	25.93	-152.14	-1,232.26	-434.80	2,556.07	2,528.19	27.88	91.672	
6,100.00	5,934.83	5,133.23	4,874.34	23.21	26.67	-152.26	-1,267.41	-447.82	2,596.90	2,568.53	28.37	91.527	
6,200.00	6,034.83	5,224.38	4,957.43	23.33	27.40	-152.37	-1,302.57	-460.84	2,637.74	2,608.88	28.86	91.385	
6,300.00	6,134.83	5,315.53	5,040.52	23.45	28.13	-152.48	-1,337.72	-473.86	2,678.59	2,649.24	29.36	91.244	
6,400.00	6,234.83	5,406.69	5,123.61	23.58	28.87	-152.59	-1,372.87	-486.87	2,719.45	2,689.60	29.85	91.105	
6,500.00	6,334.83	5,497.84	5,206.69	23.70	29.60	-152.70	-1,408.02	-499.89	2,760.32	2,729.98	30.34	90.969	
6,600.00	6,434.83	5,588.99	5,289.78	23.83	30.34	-152.80	-1,443.17	-512.91	2,801.19	2,770.35	30.84	90.834	
6,700.00	6,534.83	5,680.14	5,372.87	23.96	31.07	-152.90	-1,478.33	-525.93	2,842.07	2,810.74	31.33	90.702	
6,800.00	6,634.83	5,771.30	5,455.96	24.08	31.81	-152.99	-1,513.48	-538.95	2,882.96	2,851.13	31.83	90.572	
6,900.00	6,734.83	5,862.45	5,539.05	24.21	32.54	-153.09	-1,548.63	-551.97	2,923.85	2,891.53	32.33	90.444	
7,000.00	6,834.83	5,953.60	5,622.14	24.35	33.28	-153.17	-1,583.78	-564.98	2,964.74	2,931.50	32.83	90.316	
7,100.00	6,934.83	6,044.75	5,705.23	24.48	34.02	-153.25	-1,618.93	-577.99	2,999.63	2,966.49	33.33	90.188	
7,200.00	7,034.83	6,135.90	5,788.32	24.61	34.76	-153.33	-1,654.08	-591.00	3,034.52	2,991.40	33.83	90.060	
7,300.00	7,134.83	6,227.05	5,871.41	24.75	35.50	-153.41	-1,689.23	-604.01	3,069.41	3,016.31	34.33	89.932	
7,400.00	7,234.83	6,318.20	5,954.50	24.89	36.24	-153.49	-1,724.38	-617.02	3,104.30	3,041.22	34.83	89.804	
7,500.00	7,334.83	6,409.35	6,037.59	25.03	36.98	-153.57	-1,759.53	-630.03	3,139.19	3,066.13	35.33	89.676	
7,600.00	7,434.83	6,500.50	6,120.68	25.16	37.72	-153.65	-1,794.68	-643.04	3,174.08	3,091.04	35.83	89.548	
7,700.00	7,534.83	6,591.65	6,203.77	25.31	38.46	-153.73	-1,829.83	-656.05	3,208.97	3,115.95	36.33	89.420	
7,800.00	7,634.83	6,682.80	6,286.86	25.45	39.20	-153.81	-1,864.98	-669.06	3,243.86	3,140.86	36.83	89.292	
7,900.00	7,734.83	6,773.95	6,369.95	25.59	39.94	-153.89	-1,899.13	-682.07	3,278.75	3,165.77	37.33	89.164	
8,000.00	7,834.83	6,865.10	6,453.04	25.74	40.68	-153.97	-1,934.28	-695.08	3,313.64	3,190.68	37.83	89.036	
8,100.00	7,934.83	6,956.25	6,536.13	25.88	41.42	-154.05	-1,969.43	-708.09	3,348.53	3,215.59	38.33	88.908	
8,200.00	8,034.83	7,047.40	6,619.22	26.03	42.16	-154.13	-2,004.58	-721.10	3,383.42	3,240.50	38.83	88.780	
8,300.00	8,134.83	7,138.55	6,702.31	26.18	42.90	-154.21	-2,039.73	-734.11	3,418.31	3,265.41	39.33	88.652	
8,400.00	8,234.83	7,229.70	6,785.40	26.32	43.64	-154.29	-2,074.88	-747.12	3,453.20	3,290.32	39.83	88.524	
8,500.00	8,334.83	7,320.85	6,868.49	26.47	44.38	-154.37	-2,109.93	-760.13	3,488.09	3,315.23	40.33	88.396	
8,600.00	8,434.83	7,412.00	6,951.58	26.63	45.12	-154.45	-2,145.08	-773.14	3,522.98	3,340.14	40.83	88.268	
8,649.17	8,484.00	7,503.15	7,034.67	26.70	45.86	-154.53	-2,180.23	-786.15	3,557.87	3,365.05	41.33	88.140	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	-14.58	0.00	14.58				
100.00	100.00	100.00	100.00	0.10	0.10	180.00	-14.58	0.00	14.58	14.39	0.19	76.312	
200.00	200.00	200.00	200.00	0.32	0.32	180.00	-14.58	0.00	14.58	13.94	0.64	22.760	
300.00	300.00	300.00	300.00	0.55	0.55	180.00	-14.58	0.00	14.58	13.49	1.09	13.374	
400.00	400.00	400.00	400.00	0.77	0.77	180.00	-14.58	0.00	14.58	13.04	1.54	9.469	
500.00	500.00	500.00	500.00	0.99	0.99	180.00	-14.58	0.00	14.58	12.59	1.99	7.329	
600.00	600.00	600.00	600.00	1.22	1.22	180.00	-14.58	0.00	14.58	12.14	2.44	5.978	
700.00	700.00	700.00	700.00	1.44	1.44	180.00	-14.58	0.00	14.58	11.69	2.89	5.048	
800.00	800.00	800.00	800.00	1.67	1.67	180.00	-14.58	0.00	14.58	11.24	3.34	4.368	
900.00	900.00	900.00	900.00	1.89	1.89	180.00	-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	180.00	-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	180.00	-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	180.00	-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	180.00	-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	180.00	-14.58	0.00	14.58	8.54	6.03	2.416 CC, ES, SF	
1,500.00	1,499.98	1,500.06	1,500.04	3.24	3.23	139.34	-14.31	1.73	15.70	9.23	6.47	2.426	
1,600.00	1,599.84	1,600.02	1,599.86	3.46	3.44	133.92	-13.52	6.90	19.17	12.28	6.89	2.781	
1,700.00	1,699.45	1,699.79	1,699.25	3.69	3.66	128.28	-12.19	15.49	25.18	17.85	7.33	3.436	
1,800.00	1,798.70	1,799.27	1,797.98	3.92	3.89	123.78	-10.35	27.45	33.81	26.02	7.79	4.341	
1,900.00	1,897.47	1,898.36	1,895.85	4.18	4.15	120.51	-8.00	42.74	45.04	36.75	8.29	5.434	
2,000.00	1,995.62	1,996.99	1,992.68	4.47	4.44	118.16	-5.15	61.26	58.82	49.98	8.84	6.655	
2,100.00	2,093.06	2,095.05	2,088.25	4.80	4.76	116.44	-1.81	82.93	75.11	65.65	9.45	7.944	
2,200.00	2,189.64	2,192.48	2,182.41	5.17	5.14	115.14	2.00	107.64	93.85	83.70	10.15	9.246	
2,300.00	2,285.27	2,289.20	2,274.99	5.60	5.56	114.10	6.25	135.30	114.99	104.06	10.94	10.515	
2,393.32	2,373.54	2,378.75	2,359.82	6.05	6.01	113.30	10.62	163.65	136.86	125.10	11.76	11.636	
2,400.00	2,379.82	2,385.13	2,365.83	6.08	6.05	113.27	10.94	165.77	138.50	126.67	11.82	11.713	
2,500.00	2,473.87	2,480.37	2,454.94	6.61	6.59	112.38	16.06	198.97	163.58	150.75	12.82	12.756	
2,600.00	2,567.92	2,574.86	2,542.20	7.17	7.19	110.80	21.57	234.78	189.75	175.85	13.90	13.651	
2,700.00	2,661.96	2,668.98	2,627.92	7.74	7.86	108.82	27.49	273.20	217.15	202.11	15.04	14.440	
2,800.00	2,756.01	2,764.74	2,714.74	8.33	8.58	107.05	33.64	313.13	245.13	228.89	16.23	15.101	
2,900.00	2,850.06	2,860.50	2,801.56	8.94	9.32	105.64	39.78	353.07	273.27	255.83	17.45	15.662	
3,000.00	2,944.11	2,956.27	2,888.38	9.55	10.08	104.49	45.93	393.00	301.55	282.86	18.68	16.141	
3,100.00	3,038.16	3,052.03	2,975.20	10.17	10.85	103.54	52.08	432.94	329.91	309.98	19.93	16.551	
3,200.00	3,132.21	3,147.79	3,062.02	10.80	11.63	102.74	58.23	472.87	358.35	337.15	21.20	16.907	
3,300.00	3,226.26	3,243.55	3,148.84	11.44	12.42	102.06	64.38	512.81	386.84	364.37	22.47	17.216	
3,400.00	3,320.31	3,339.31	3,235.66	12.07	13.22	101.47	70.53	552.74	415.37	391.62	23.75	17.487	
3,500.00	3,414.35	3,435.07	3,322.48	12.72	14.02	100.95	76.68	592.67	443.94	418.89	25.04	17.727	
3,600.00	3,508.40	3,530.83	3,409.30	13.37	14.83	100.50	82.83	632.61	472.54	446.20	26.34	17.939	
3,700.00	3,602.45	3,626.59	3,496.12	14.02	15.64	100.10	88.98	672.54	501.16	473.51	27.64	18.129	
3,800.00	3,696.50	3,722.35	3,582.93	14.67	16.46	99.74	95.12	712.48	529.80	500.85	28.95	18.299	
3,900.00	3,790.55	3,818.11	3,669.75	15.32	17.28	99.42	101.27	752.41	558.46	528.19	30.26	18.453	
4,000.00	3,884.60	3,913.88	3,756.57	15.98	18.10	99.13	107.42	792.35	587.13	555.55	31.58	18.591	
4,100.00	3,978.65	4,009.64	3,843.39	16.64	18.93	98.87	113.57	832.28	615.82	582.92	32.90	18.718	
4,200.00	4,072.70	4,105.40	3,930.21	17.30	19.75	98.63	119.72	872.22	644.51	610.29	34.22	18.833	
4,300.00	4,166.74	4,201.16	4,017.03	17.96	20.58	98.41	125.87	912.15	673.22	637.67	35.55	18.938	
4,400.00	4,260.79	4,296.92	4,103.85	18.62	21.41	98.21	132.02	952.09	701.94	665.06	36.88	19.035	
4,503.85	4,358.46	4,396.37	4,194.01	19.31	22.28	98.02	138.40	993.56	731.76	693.51	38.26	19.128	
4,600.00	4,449.42	4,495.81	4,284.36	19.87	23.09	98.30	144.72	1,034.61	758.95	719.41	39.54	19.194	
4,700.00	4,545.08	4,608.64	4,388.37	20.33	23.82	98.48	151.38	1,077.81	785.06	744.38	40.68	19.298	
4,800.00	4,641.69	4,723.01	4,495.48	20.76	24.50	98.60	157.48	1,117.43	808.61	766.88	41.73	19.377	
4,900.00	4,739.14	4,838.83	4,605.49	21.14	25.12	98.67	162.99	1,153.22	829.54	786.85	42.69	19.433	
5,000.00	4,837.32	4,955.97	4,718.14	21.48	25.67	98.70	167.87	1,184.91	847.78	804.24	43.54	19.470	

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



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	4,936.10	5,074.30	4,833.18	21.78	26.16	98.67	172.08	1,212.28	863.29	819.00	44.29	19.491	
5,200.00	5,035.36	5,193.67	4,950.28	22.03	26.59	98.60	175.60	1,235.11	876.01	831.07	44.93	19.496	
5,300.00	5,134.98	5,313.92	5,069.13	22.24	26.94	98.47	178.39	1,253.22	885.90	840.44	45.46	19.489	
5,400.00	5,234.85	5,434.89	5,189.34	22.41	27.22	98.29	180.42	1,266.44	892.92	847.06	45.86	19.469	
5,497.17	5,332.00	5,552.95	5,307.11	22.52	27.42	136.36	181.66	1,274.49	896.99	850.84	46.15	19.435	
5,500.00	5,334.83	5,556.39	5,310.55	22.52	27.43	136.35	181.69	1,274.66	897.07	850.91	46.16	19.434	
5,600.00	5,434.83	5,678.27	5,432.37	22.64	27.57	136.19	182.17	1,277.79	898.56	852.16	46.40	19.367	
5,700.00	5,534.83	5,780.72	5,534.83	22.75	27.67	136.18	182.17	1,277.82	898.57	851.96	46.62	19.276	
5,800.00	5,634.83	5,880.72	5,634.83	22.86	27.76	136.18	182.17	1,277.82	898.57	851.74	46.84	19.185	
5,900.00	5,734.83	5,980.72	5,734.83	22.98	27.86	136.18	182.17	1,277.82	898.57	851.51	47.06	19.094	
6,000.00	5,834.83	6,080.72	5,834.83	23.09	27.96	136.18	182.17	1,277.82	898.57	851.29	47.29	19.002	
6,100.00	5,934.83	6,180.72	5,934.83	23.21	28.06	136.18	182.17	1,277.82	898.57	851.05	47.52	18.910	
6,200.00	6,034.83	6,280.72	6,034.83	23.33	28.16	136.18	182.17	1,277.82	898.57	850.82	47.75	18.817	
6,300.00	6,134.83	6,380.72	6,134.83	23.45	28.26	136.18	182.17	1,277.82	898.57	850.58	47.99	18.724	
6,400.00	6,234.83	6,480.72	6,234.83	23.58	28.36	136.18	182.17	1,277.82	898.57	850.34	48.23	18.631	
6,500.00	6,334.83	6,580.72	6,334.83	23.70	28.47	136.18	182.17	1,277.82	898.57	850.10	48.47	18.538	
6,600.00	6,434.83	6,680.72	6,434.83	23.83	28.57	136.18	182.17	1,277.82	898.57	849.86	48.72	18.444	
6,700.00	6,534.83	6,780.72	6,534.83	23.96	28.68	136.18	182.17	1,277.82	898.57	849.61	48.97	18.351	
6,800.00	6,634.83	6,880.72	6,634.83	24.08	28.79	136.18	182.17	1,277.82	898.57	849.36	49.22	18.257	
6,900.00	6,734.83	6,980.72	6,734.83	24.21	28.90	136.18	182.17	1,277.82	898.57	849.10	49.47	18.163	
7,000.00	6,834.83	7,080.72	6,834.83	24.35	29.01	136.18	182.17	1,277.82	898.57	848.84	49.73	18.069	
7,100.00	6,934.83	7,180.72	6,934.83	24.48	29.13	136.18	182.17	1,277.82	898.57	848.58	49.99	17.975	
7,200.00	7,034.83	7,280.72	7,034.83	24.61	29.24	136.18	182.17	1,277.82	898.57	848.32	50.25	17.881	
7,300.00	7,134.83	7,380.72	7,134.83	24.75	29.36	136.18	182.17	1,277.82	898.57	848.06	50.52	17.788	
7,400.00	7,234.83	7,480.72	7,234.83	24.89	29.48	136.18	182.17	1,277.82	898.57	847.79	50.78	17.694	
7,500.00	7,334.83	7,580.72	7,334.83	25.03	29.59	136.18	182.17	1,277.82	898.57	847.52	51.06	17.600	
7,600.00	7,434.83	7,680.72	7,434.83	25.16	29.71	136.18	182.17	1,277.82	898.57	847.25	51.33	17.507	
7,700.00	7,534.83	7,780.72	7,534.83	25.31	29.83	136.18	182.17	1,277.82	898.57	846.97	51.60	17.413	
7,800.00	7,634.83	7,880.72	7,634.83	25.45	29.96	136.18	182.17	1,277.82	898.57	846.69	51.88	17.320	
7,900.00	7,734.83	7,980.72	7,734.83	25.59	30.08	136.18	182.17	1,277.82	898.57	846.41	52.16	17.227	
8,000.00	7,834.83	8,080.72	7,834.83	25.74	30.20	136.18	182.17	1,277.82	898.57	846.13	52.44	17.134	
8,100.00	7,934.83	8,180.72	7,934.83	25.88	30.33	136.18	182.17	1,277.82	898.57	845.85	52.73	17.042	
8,200.00	8,034.83	8,280.72	8,034.83	26.03	30.46	136.18	182.17	1,277.82	898.57	845.56	53.01	16.949	
8,242.69	8,077.52	8,323.41	8,077.52	26.09	30.51	136.18	182.17	1,277.82	898.57	845.44	53.14	16.910	
8,300.00	8,134.83	8,338.89	8,093.00	26.18	30.53	136.18	182.17	1,277.82	899.55	846.30	53.25	16.894	
8,400.00	8,234.83	8,338.89	8,093.00	26.32	30.53	136.18	182.17	1,277.82	909.70	856.30	53.39	17.037	
8,500.00	8,334.83	8,338.89	8,093.00	26.47	30.53	136.18	182.17	1,277.82	930.55	877.00	53.55	17.379	
8,600.00	8,434.83	8,338.89	8,093.00	26.63	30.53	136.18	182.17	1,277.82	961.40	907.70	53.70	17.904	
8,649.17	8,484.00	8,338.89	8,093.00	26.70	30.53	136.18	182.17	1,277.82	979.96	926.18	53.77	18.224	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	-180.00	-72.87	0.00	72.87					
100.00	100.00	100.00	100.00	0.10	0.10	-180.00	-72.87	0.00	72.87	72.68	0.19	381.425		
200.00	200.00	200.00	200.00	0.32	0.32	-180.00	-72.87	0.00	72.87	72.23	0.64	113.758		
300.00	300.00	300.00	300.00	0.55	0.55	-180.00	-72.87	0.00	72.87	71.78	1.09	66.848		
400.00	400.00	400.00	400.00	0.77	0.77	-180.00	-72.87	0.00	72.87	71.33	1.54	47.330		
500.00	500.00	500.00	500.00	0.99	0.99	-180.00	-72.87	0.00	72.87	70.88	1.99	36.634		
600.00	600.00	600.00	600.00	1.22	1.22	-180.00	-72.87	0.00	72.87	70.43	2.44	29.881		
700.00	700.00	700.00	700.00	1.44	1.44	-180.00	-72.87	0.00	72.87	69.98	2.89	25.230		
800.00	800.00	800.00	800.00	1.67	1.67	-180.00	-72.87	0.00	72.87	69.53	3.34	21.832		
900.00	900.00	900.00	900.00	1.89	1.89	-180.00	-72.87	0.00	72.87	69.08	3.79	19.241		
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-180.00	-72.87	0.00	72.87	68.63	4.24	17.200		
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	-180.00	-72.87	0.00	72.87	68.19	4.69	15.550		
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	-180.00	-72.87	0.00	72.87	67.74	5.14	14.189		
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	-180.00	-72.87	0.00	72.87	67.29	5.59	13.047		
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	-180.00	-72.87	0.00	72.87	66.84	6.03	12.075 CC, ES		
1,500.00	1,499.98	1,497.42	1,497.40	3.24	3.21	142.45	-74.53	0.03	75.95	69.50	6.45	11.783 SF		
1,600.00	1,599.84	1,594.23	1,594.08	3.46	3.38	144.33	-79.45	0.11	85.23	78.40	6.83	12.487		
1,700.00	1,699.45	1,689.83	1,689.33	3.69	3.55	146.66	-87.52	0.24	100.79	93.59	7.20	13.992		
1,800.00	1,798.70	1,783.67	1,782.52	3.92	3.74	148.88	-98.52	0.42	122.65	115.07	7.58	16.181		
1,900.00	1,897.47	1,875.22	1,873.04	4.18	3.94	150.73	-112.19	0.65	150.69	142.74	7.95	18.947		
2,000.00	1,995.62	1,964.02	1,960.38	4.47	4.17	152.16	-128.21	0.92	184.73	176.41	8.32	22.192		
2,100.00	2,093.06	2,049.66	2,044.11	4.80	4.42	153.21	-146.21	1.21	224.54	215.85	8.69	25.827		
2,200.00	2,189.64	2,131.82	2,123.89	5.17	4.69	153.96	-165.82	1.54	269.85	260.78	9.06	29.773		
2,300.00	2,285.27	2,210.22	2,199.46	5.60	4.98	154.45	-186.67	1.88	320.36	310.92	9.43	33.958		
2,393.32	2,373.54	2,279.81	2,266.04	6.05	5.28	154.73	-206.89	2.22	371.93	362.15	9.78	38.017		
2,400.00	2,379.82	2,284.65	2,270.66	6.08	5.30	154.78	-208.36	2.24	375.78	365.96	9.81	38.291		
2,500.00	2,473.87	2,355.96	2,338.32	6.61	5.64	155.42	-230.87	2.61	434.38	424.10	10.28	42.262		
2,600.00	2,567.92	2,424.89	2,403.17	7.17	5.99	155.83	-254.23	3.00	494.88	484.13	10.75	46.023		
2,700.00	2,661.96	2,491.48	2,465.26	7.74	6.36	156.09	-278.27	3.40	557.17	545.93	11.24	49.584		
2,800.00	2,756.01	2,558.11	2,526.82	8.33	6.76	156.24	-303.76	3.82	621.15	609.42	11.73	52.936		
2,900.00	2,850.06	2,631.41	2,594.22	8.94	7.23	156.35	-332.58	4.30	686.00	673.74	12.26	55.956		
3,000.00	2,944.11	2,707.53	2,664.20	9.55	7.73	156.45	-362.52	4.79	750.85	738.05	12.80	58.659		
3,100.00	3,038.16	2,783.64	2,734.18	10.17	8.24	156.53	-392.45	5.29	815.70	802.35	13.35	61.095		
3,200.00	3,132.21	2,859.76	2,804.16	10.80	8.77	156.59	-422.39	5.78	880.55	866.64	13.91	63.299		
3,300.00	3,226.26	2,935.87	2,874.14	11.44	9.30	156.65	-452.32	6.28	945.41	930.93	14.48	65.302		
3,400.00	3,320.31	3,011.99	2,944.12	12.07	9.84	156.70	-482.26	6.77	1,010.26	995.21	15.05	67.125		
3,500.00	3,414.35	3,088.10	3,014.10	12.72	10.38	156.75	-512.19	7.27	1,075.12	1,059.49	15.63	68.787		
3,600.00	3,508.40	3,164.22	3,084.08	13.37	10.93	156.79	-542.13	7.76	1,139.97	1,123.76	16.21	70.306		
3,700.00	3,602.45	3,240.33	3,154.06	14.02	11.49	156.82	-572.06	8.26	1,204.83	1,188.02	16.80	71.701		
3,800.00	3,696.50	3,316.45	3,224.04	14.67	12.04	156.85	-602.00	8.75	1,269.68	1,252.28	17.40	72.984		
3,900.00	3,790.55	3,392.56	3,294.02	15.32	12.61	156.88	-631.93	9.25	1,334.54	1,316.54	17.99	74.166		
4,000.00	3,884.60	3,468.68	3,364.00	15.98	13.17	156.91	-661.87	9.74	1,399.39	1,380.80	18.60	75.256		
4,100.00	3,978.65	3,544.79	3,433.98	16.64	13.74	156.93	-691.80	10.24	1,464.25	1,445.05	19.20	76.266		
4,200.00	4,072.70	3,620.91	3,503.96	17.30	14.31	156.95	-721.74	10.74	1,529.10	1,509.30	19.81	77.204		
4,300.00	4,166.74	3,697.02	3,573.94	17.96	14.88	156.97	-751.67	11.23	1,593.96	1,573.54	20.42	78.076		
4,400.00	4,260.79	3,773.14	3,643.92	18.62	15.45	156.99	-781.61	11.73	1,658.82	1,637.79	21.03	78.887		
4,503.85	4,358.46	3,852.19	3,716.59	19.31	16.05	157.01	-812.69	12.24	1,726.17	1,704.50	21.67	79.673		
4,600.00	4,449.42	3,926.32	3,784.75	19.87	16.61	157.61	-841.85	12.72	1,787.39	1,765.00	22.39	79.841		
4,700.00	4,545.08	4,063.71	3,911.67	20.33	17.47	158.09	-894.41	13.59	1,848.00	1,824.74	23.25	79.478		
4,800.00	4,641.69	4,286.30	4,122.06	20.76	18.58	158.46	-966.94	14.79	1,900.97	1,876.66	24.31	78.193		
4,900.00	4,739.14	4,533.15	4,361.15	21.14	19.60	158.82	-1,028.01	15.80	1,944.32	1,918.95	25.37	76.646		
5,000.00	4,837.32	4,801.31	4,625.77	21.48	20.43	159.20	-1,070.77	16.51	1,976.79	1,950.43	26.36	74.979		

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 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	4,936.10	5,085.48	4,909.25	21.78	20.95	159.64	-1,088.88	16.81	1,997.33	1,970.10	27.23	73.338	
5,200.00	5,035.36	5,211.59	5,035.36	22.03	21.08	159.87	-1,089.17	16.81	2,008.78	1,981.05	27.73	72.441	
5,300.00	5,134.98	5,311.21	5,134.98	22.24	21.18	160.01	-1,089.17	16.81	2,016.88	1,988.74	28.14	71.678	
5,400.00	5,234.85	5,411.07	5,234.85	22.41	21.29	160.09	-1,089.17	16.81	2,021.70	1,993.20	28.50	70.932	
5,497.17	5,332.00	5,508.23	5,332.00	22.52	21.39	-161.59	-1,089.17	16.81	2,023.25	1,994.44	28.81	70.221	
5,500.00	5,334.83	5,511.06	5,334.83	22.52	21.39	-161.59	-1,089.17	16.81	2,023.25	1,994.43	28.82	70.199	
5,600.00	5,434.83	5,611.06	5,434.83	22.64	21.50	-161.59	-1,089.17	16.81	2,023.25	1,994.10	29.15	69.402	
5,700.00	5,534.83	5,711.06	5,534.83	22.75	21.61	-161.59	-1,089.17	16.81	2,023.25	1,993.77	29.49	68.615	
5,800.00	5,634.83	5,811.06	5,634.83	22.86	21.71	-161.59	-1,089.17	16.81	2,023.25	1,993.43	29.82	67.839	
5,900.00	5,734.83	5,911.06	5,734.83	22.98	21.83	-161.59	-1,089.17	16.81	2,023.25	1,993.09	30.16	67.073	
6,000.00	5,834.83	6,011.06	5,834.83	23.09	21.94	-161.59	-1,089.17	16.81	2,023.25	1,992.75	30.51	66.319	
6,100.00	5,934.83	6,111.06	5,934.83	23.21	22.06	-161.59	-1,089.17	16.81	2,023.25	1,992.40	30.85	65.575	
6,200.00	6,034.83	6,211.06	6,034.83	23.33	22.17	-161.59	-1,089.17	16.81	2,023.25	1,992.05	31.20	64.843	
6,300.00	6,134.83	6,311.06	6,134.83	23.45	22.29	-161.59	-1,089.17	16.81	2,023.25	1,991.70	31.55	64.121	
6,400.00	6,234.83	6,411.06	6,234.83	23.58	22.41	-161.59	-1,089.17	16.81	2,023.25	1,991.35	31.91	63.411	
6,500.00	6,334.83	6,511.06	6,334.83	23.70	22.53	-161.59	-1,089.17	16.81	2,023.25	1,990.99	32.26	62.711	
6,600.00	6,434.83	6,611.06	6,434.83	23.83	22.66	-161.59	-1,089.17	16.81	2,023.25	1,990.63	32.62	62.023	
6,700.00	6,534.83	6,711.06	6,534.83	23.96	22.78	-161.59	-1,089.17	16.81	2,023.25	1,990.27	32.98	61.345	
6,800.00	6,634.83	6,811.06	6,634.83	24.08	22.91	-161.59	-1,089.17	16.81	2,023.25	1,989.91	33.34	60.677	
6,900.00	6,734.83	6,911.06	6,734.83	24.21	23.03	-161.59	-1,089.17	16.81	2,023.25	1,989.55	33.71	60.021	
7,000.00	6,834.83	7,011.06	6,834.83	24.35	23.16	-161.59	-1,089.17	16.81	2,023.25	1,989.18	34.08	59.375	
7,100.00	6,934.83	7,111.06	6,934.83	24.48	23.29	-161.59	-1,089.17	16.81	2,023.25	1,988.81	34.44	58.739	
7,200.00	7,034.83	7,211.06	7,034.83	24.61	23.43	-161.59	-1,089.17	16.81	2,023.25	1,988.44	34.82	58.114	
7,300.00	7,134.83	7,311.06	7,134.83	24.75	23.56	-161.59	-1,089.17	16.81	2,023.25	1,988.07	35.19	57.499	
7,400.00	7,234.83	7,411.06	7,234.83	24.89	23.70	-161.59	-1,089.17	16.81	2,023.25	1,987.69	35.56	56.894	
7,500.00	7,334.83	7,511.06	7,334.83	25.03	23.83	-161.59	-1,089.17	16.81	2,023.25	1,987.32	35.94	56.298	
7,600.00	7,434.83	7,611.06	7,434.83	25.16	23.97	-161.59	-1,089.17	16.81	2,023.25	1,986.94	36.32	55.713	
7,700.00	7,534.83	7,711.06	7,534.83	25.31	24.11	-161.59	-1,089.17	16.81	2,023.25	1,986.56	36.70	55.137	
7,800.00	7,634.83	7,811.06	7,634.83	25.45	24.25	-161.59	-1,089.17	16.81	2,023.25	1,986.18	37.08	54.571	
7,900.00	7,734.83	7,911.06	7,734.83	25.59	24.39	-161.59	-1,089.17	16.81	2,023.25	1,985.80	37.46	54.013	
8,000.00	7,834.83	8,011.06	7,834.83	25.74	24.53	-161.59	-1,089.17	16.81	2,023.25	1,985.41	37.84	53.466	
8,100.00	7,934.83	8,111.06	7,934.83	25.88	24.68	-161.59	-1,089.17	16.81	2,023.25	1,985.03	38.23	52.927	
8,200.00	8,034.83	8,211.06	8,034.83	26.03	24.82	-161.59	-1,089.17	16.81	2,023.25	1,984.64	38.61	52.397	
8,246.38	8,081.21	8,257.44	8,081.21	26.10	24.89	-161.59	-1,089.17	16.81	2,023.25	1,984.46	38.79	52.154	
8,300.00	8,134.83	8,273.23	8,097.00	26.18	24.91	-161.59	-1,089.17	16.81	2,023.61	1,984.68	38.93	51.982	
8,400.00	8,234.83	8,273.23	8,097.00	26.32	24.91	-161.59	-1,089.17	16.81	2,027.94	1,988.82	39.12	51.833	
8,500.00	8,334.83	8,273.23	8,097.00	26.47	24.91	-161.59	-1,089.17	16.81	2,037.18	1,997.86	39.32	51.809	
8,600.00	8,434.83	8,273.23	8,097.00	26.63	24.91	-161.59	-1,089.17	16.81	2,051.26	2,011.75	39.52	51.907	
8,649.17	8,484.00	8,273.23	8,097.00	26.70	24.91	-161.59	-1,089.17	16.81	2,059.93	2,020.32	39.61	51.999	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	14.57	0.00	14.57				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	14.57	0.00	14.57	14.38	0.19	76.245	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	14.57	0.00	14.57	13.93	0.64	22.740	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	14.57	0.00	14.57	13.48	1.09	13.363	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	14.57	0.00	14.57	13.03	1.54	9.461	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	14.57	0.00	14.57	12.58	1.99	7.323	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	14.57	0.00	14.57	12.13	2.44	5.973	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	14.57	0.00	14.57	11.68	2.89	5.043	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	14.57	0.00	14.57	11.23	3.34	4.364	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	14.57	0.00	14.57	10.78	3.79	3.846	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	14.57	0.00	14.57	10.33	4.24	3.438	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	14.57	0.00	14.57	9.88	4.69	3.108	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	14.57	0.00	14.57	9.43	5.14	2.836	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	14.57	0.00	14.57	8.98	5.59	2.608	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	14.57	0.00	14.57	8.53	6.03	2.414	
1,500.00	1,499.98	1,500.19	1,500.17	3.24	3.22	-49.82	13.49	-1.38	12.37	5.91	6.46	1.915	
1,572.21	1,572.11	1,572.13	1,572.03	3.40	3.35	-83.11	11.39	-4.08	10.33	3.58	6.75	1.530 CC, ES, SF	
1,600.00	1,599.84	1,599.67	1,599.50	3.46	3.41	-102.01	10.29	-5.48	10.93	4.07	6.86	1.594	
1,700.00	1,699.45	1,697.72	1,697.18	3.69	3.60	-146.14	5.06	-12.19	23.19	15.96	7.23	3.207	
1,800.00	1,798.70	1,793.70	1,792.46	3.92	3.81	-159.53	-2.04	-21.30	45.82	38.22	7.60	6.027	
1,900.00	1,897.47	1,887.00	1,884.66	4.18	4.03	-164.70	-10.83	-32.56	75.71	67.74	7.97	9.505	
2,000.00	1,995.62	1,977.10	1,973.20	4.47	4.28	-167.21	-21.06	-45.68	112.10	103.78	8.32	13.477	
2,100.00	2,093.06	2,063.55	2,057.63	4.80	4.55	-168.60	-32.48	-60.33	154.57	145.91	8.66	17.851	
2,200.00	2,189.64	2,145.98	2,137.58	5.17	4.85	-169.43	-44.83	-76.15	202.78	193.79	8.99	22.562	
2,300.00	2,285.27	2,224.11	2,212.79	5.60	5.16	-169.95	-57.83	-92.83	256.38	247.08	9.30	27.560	
2,393.32	2,373.54	2,295.47	2,281.00	6.05	5.47	-170.26	-70.74	-109.38	310.87	301.28	9.59	32.414	
2,400.00	2,379.82	2,300.81	2,286.09	6.08	5.50	-170.30	-71.72	-110.63	314.88	305.26	9.62	32.737	
2,500.00	2,473.87	2,380.68	2,362.31	6.61	5.88	-170.77	-86.41	-129.47	375.01	364.96	10.05	37.323	
2,600.00	2,567.92	2,460.56	2,438.53	7.17	6.28	-171.11	-101.09	-148.30	435.14	424.65	10.49	41.497	
2,700.00	2,661.96	2,540.44	2,514.76	7.74	6.69	-171.36	-115.78	-167.13	495.28	484.35	10.93	45.300	
2,800.00	2,756.01	2,620.31	2,590.98	8.33	7.11	-171.56	-130.47	-185.96	555.42	544.04	11.39	48.773	
2,900.00	2,850.06	2,700.19	2,667.20	8.94	7.55	-171.72	-145.16	-204.80	615.57	603.72	11.85	51.950	
3,000.00	2,944.11	2,780.07	2,743.42	9.55	7.99	-171.86	-159.84	-223.63	675.73	663.41	12.32	54.852	
3,100.00	3,038.16	2,859.95	2,819.65	10.17	8.43	-171.97	-174.53	-242.46	735.88	723.09	12.79	57.519	
3,200.00	3,132.21	2,939.82	2,895.87	10.80	8.89	-172.06	-189.22	-261.30	796.03	782.76	13.27	59.975	
3,300.00	3,226.26	3,019.70	2,972.09	11.44	9.35	-172.14	-203.91	-280.13	856.19	842.43	13.76	62.240	
3,400.00	3,320.31	3,099.58	3,048.32	12.07	9.81	-172.21	-218.60	-298.96	916.35	902.10	14.24	64.335	
3,500.00	3,414.35	3,179.45	3,124.54	12.72	10.27	-172.27	-233.28	-317.79	976.51	961.77	14.73	66.271	
3,600.00	3,508.40	3,259.33	3,200.76	13.37	10.74	-172.33	-247.97	-336.63	1,036.66	1,021.43	15.23	68.069	
3,700.00	3,602.45	3,339.21	3,276.99	14.02	11.22	-172.38	-262.66	-355.46	1,096.82	1,081.10	15.73	69.742	
3,800.00	3,696.50	3,419.09	3,353.21	14.67	11.69	-172.42	-277.35	-374.29	1,156.98	1,140.76	16.23	71.302	
3,900.00	3,790.55	3,498.96	3,429.43	15.32	12.17	-172.46	-292.03	-393.12	1,217.14	1,200.41	16.73	72.758	
4,000.00	3,884.60	3,578.84	3,505.65	15.98	12.65	-172.49	-306.72	-411.96	1,277.30	1,260.07	17.23	74.117	
4,100.00	3,978.65	3,658.72	3,581.88	16.64	13.13	-172.53	-321.41	-430.79	1,337.46	1,319.72	17.74	75.391	
4,200.00	4,072.70	3,738.59	3,658.10	17.30	13.61	-172.56	-336.10	-449.62	1,397.62	1,379.38	18.25	76.588	
4,300.00	4,166.74	3,818.47	3,734.32	17.96	14.09	-172.58	-350.79	-468.46	1,457.79	1,439.03	18.76	77.713	
4,400.00	4,260.79	3,898.35	3,810.55	18.62	14.57	-172.61	-365.47	-487.29	1,517.95	1,498.68	19.27	78.772	
4,503.85	4,358.46	3,981.30	3,889.71	19.31	15.08	-172.63	-380.73	-506.85	1,580.42	1,560.62	19.80	79.806	
4,600.00	4,449.42	4,059.05	3,963.90	19.87	15.55	-172.82	-395.02	-525.18	1,636.98	1,616.52	20.46	80.011	
4,700.00	4,545.08	4,141.87	4,042.93	20.33	16.06	-172.98	-410.25	-544.70	1,693.02	1,671.92	21.10	80.228	
4,800.00	4,641.69	4,287.95	4,182.85	20.76	16.79	-173.10	-436.05	-577.79	1,745.45	1,723.59	21.86	79.839	
4,900.00	4,739.14	4,520.02	4,408.86	21.14	17.66	-173.20	-468.26	-619.08	1,789.01	1,766.24	22.77	78.563	

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 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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
5,000.00	4,837.32	4,772.31	4,658.49	21.48	18.37	-173.32	-490.39	-647.46	1,821.61	1,797.95	23.65	77.008	
5,100.00	4,936.10	5,039.99	4,925.71	21.78	18.83	-173.46	-499.01	-658.51	1,842.19	1,817.72	24.47	75.284	
5,200.00	5,035.36	5,149.65	5,035.36	22.03	18.96	-173.54	-499.04	-658.55	1,854.22	1,829.28	24.94	74.359	
5,300.00	5,134.98	5,249.27	5,134.98	22.24	19.07	-173.58	-499.04	-658.55	1,862.78	1,837.43	25.35	73.496	
5,400.00	5,234.85	5,349.13	5,234.85	22.41	19.19	-173.61	-499.04	-658.55	1,867.88	1,842.17	25.71	72.640	
5,497.17	5,332.00	5,446.29	5,332.00	22.52	19.31	-135.33	-499.04	-658.55	1,869.52	1,843.49	26.03	71.812	
5,500.00	5,334.83	5,449.11	5,334.83	22.52	19.31	-135.33	-499.04	-658.55	1,869.52	1,843.48	26.04	71.785	
5,600.00	5,434.83	5,549.11	5,434.83	22.64	19.44	-135.33	-499.04	-658.55	1,869.52	1,843.11	26.41	70.789	
5,700.00	5,534.83	5,649.11	5,534.83	22.75	19.56	-135.33	-499.04	-658.55	1,869.52	1,842.74	26.78	69.815	
5,800.00	5,634.83	5,749.11	5,634.83	22.86	19.69	-135.33	-499.04	-658.55	1,869.52	1,842.37	27.15	68.860	
5,900.00	5,734.83	5,849.11	5,734.83	22.98	19.82	-135.33	-499.04	-658.55	1,869.52	1,842.00	27.52	67.926	
6,000.00	5,834.83	5,949.11	5,834.83	23.09	19.95	-135.33	-499.04	-658.55	1,869.52	1,841.62	27.90	67.011	
6,100.00	5,934.83	6,049.11	5,934.83	23.21	20.08	-135.33	-499.04	-658.55	1,869.52	1,841.24	28.28	66.116	
6,200.00	6,034.83	6,149.11	6,034.83	23.33	20.21	-135.33	-499.04	-658.55	1,869.52	1,840.86	28.66	65.239	
6,300.00	6,134.83	6,249.11	6,134.83	23.45	20.35	-135.33	-499.04	-658.55	1,869.52	1,840.48	29.04	64.381	
6,400.00	6,234.83	6,349.11	6,234.83	23.58	20.48	-135.33	-499.04	-658.55	1,869.52	1,840.10	29.42	63.541	
6,500.00	6,334.83	6,449.11	6,334.83	23.70	20.62	-135.33	-499.04	-658.55	1,869.52	1,839.71	29.81	62.719	
6,600.00	6,434.83	6,549.11	6,434.83	23.83	20.76	-135.33	-499.04	-658.55	1,869.52	1,839.32	30.20	61.915	
6,700.00	6,534.83	6,649.11	6,534.83	23.96	20.90	-135.33	-499.04	-658.55	1,869.52	1,838.93	30.58	61.127	
6,800.00	6,634.83	6,749.11	6,634.83	24.08	21.05	-135.33	-499.04	-658.55	1,869.52	1,838.54	30.98	60.356	
6,900.00	6,734.83	6,849.11	6,734.83	24.21	21.19	-135.33	-499.04	-658.55	1,869.52	1,838.15	31.37	59.601	
7,000.00	6,834.83	6,949.11	6,834.83	24.35	21.34	-135.33	-499.04	-658.55	1,869.52	1,837.76	31.76	58.862	
7,100.00	6,934.83	7,049.11	6,934.83	24.48	21.48	-135.33	-499.04	-658.55	1,869.52	1,837.36	32.16	58.138	
7,200.00	7,034.83	7,149.11	7,034.83	24.61	21.63	-135.33	-499.04	-658.55	1,869.52	1,836.97	32.55	57.430	
7,300.00	7,134.83	7,249.11	7,134.83	24.75	21.78	-135.33	-499.04	-658.55	1,869.52	1,836.57	32.95	56.736	
7,400.00	7,234.83	7,349.11	7,234.83	24.89	21.93	-135.33	-499.04	-658.55	1,869.52	1,836.17	33.35	56.057	
7,500.00	7,334.83	7,449.11	7,334.83	25.03	22.08	-135.33	-499.04	-658.55	1,869.52	1,835.77	33.75	55.391	
7,600.00	7,434.83	7,549.11	7,434.83	25.16	22.24	-135.33	-499.04	-658.55	1,869.52	1,835.37	34.15	54.739	
7,700.00	7,534.83	7,649.11	7,534.83	25.31	22.39	-135.33	-499.04	-658.55	1,869.52	1,834.96	34.56	54.101	
7,800.00	7,634.83	7,749.11	7,634.83	25.45	22.55	-135.33	-499.04	-658.55	1,869.52	1,834.56	34.96	53.476	
7,900.00	7,734.83	7,849.11	7,734.83	25.59	22.70	-135.33	-499.04	-658.55	1,869.52	1,834.15	35.37	52.863	
8,000.00	7,834.83	7,949.11	7,834.83	25.74	22.86	-135.33	-499.04	-658.55	1,869.52	1,833.75	35.77	52.262	
8,100.00	7,934.83	8,049.11	7,934.83	25.88	23.02	-135.33	-499.04	-658.55	1,869.52	1,833.34	36.18	51.674	
8,200.00	8,034.83	8,149.11	8,034.83	26.03	23.18	-135.33	-499.04	-658.55	1,869.52	1,832.93	36.59	51.097	
8,238.46	8,073.29	8,187.58	8,073.29	26.08	23.24	-135.33	-499.04	-658.55	1,869.52	1,832.77	36.74	50.878	
8,300.00	8,134.83	8,203.29	8,089.00	26.18	23.27	-135.33	-499.04	-658.55	1,870.08	1,833.18	36.90	50.677	
8,400.00	8,234.83	8,203.29	8,089.00	26.32	23.27	-135.33	-499.04	-658.55	1,875.20	1,838.09	37.11	50.537	
8,500.00	8,334.83	8,203.29	8,089.00	26.47	23.27	-135.33	-499.04	-658.55	1,885.61	1,848.30	37.31	50.539	
8,600.00	8,434.83	8,203.29	8,089.00	26.63	23.27	-135.33	-499.04	-658.55	1,901.24	1,863.72	37.51	50.680	
8,649.17	8,484.00	8,203.29	8,089.00	26.70	23.27	-135.33	-499.04	-658.55	1,910.79	1,873.18	37.61	50.799	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	-180.00	-29.15	0.00	29.15				
100.00	100.00	100.00	100.00	0.10	0.10	-180.00	-29.15	0.00	29.15	28.96	0.19	152.557	
200.00	200.00	200.00	200.00	0.32	0.32	-180.00	-29.15	0.00	29.15	28.51	0.64	45.499	
300.00	300.00	300.00	300.00	0.55	0.55	-180.00	-29.15	0.00	29.15	28.06	1.09	26.737	
400.00	400.00	400.00	400.00	0.77	0.77	-180.00	-29.15	0.00	29.15	27.61	1.54	18.930	
500.00	500.00	500.00	500.00	0.99	0.99	-180.00	-29.15	0.00	29.15	27.16	1.99	14.652	
600.00	600.00	600.00	600.00	1.22	1.22	-180.00	-29.15	0.00	29.15	26.71	2.44	11.951	
700.00	700.00	700.00	700.00	1.44	1.44	-180.00	-29.15	0.00	29.15	26.26	2.89	10.091	
800.00	800.00	800.00	800.00	1.67	1.67	-180.00	-29.15	0.00	29.15	25.81	3.34	8.732	
900.00	900.00	900.00	900.00	1.89	1.89	-180.00	-29.15	0.00	29.15	25.36	3.79	7.696	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-180.00	-29.15	0.00	29.15	24.91	4.24	6.879	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	-180.00	-29.15	0.00	29.15	24.46	4.69	6.219	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	-180.00	-29.15	0.00	29.15	24.01	5.14	5.675	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	-180.00	-29.15	0.00	29.15	23.56	5.59	5.218	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	-180.00	-29.15	0.00	29.15	23.11	6.03	4.830 CC, ES, SF	
1,500.00	1,499.98	1,499.36	1,499.34	3.24	3.22	141.07	-30.13	1.41	31.51	25.06	6.46	4.881	
1,600.00	1,599.84	1,598.39	1,598.23	3.46	3.41	139.60	-33.08	5.63	38.61	31.76	6.86	5.632	
1,700.00	1,699.45	1,696.74	1,696.21	3.69	3.60	138.04	-37.95	12.58	50.45	43.19	7.26	6.946	
1,800.00	1,798.70	1,794.11	1,792.87	3.92	3.82	136.74	-44.66	22.18	66.98	59.29	7.68	8.716	
1,900.00	1,897.47	1,890.17	1,887.79	4.18	4.05	135.71	-53.12	34.28	88.12	80.00	8.13	10.846	
2,000.00	1,995.62	1,984.66	1,980.61	4.47	4.32	134.89	-63.22	48.72	113.79	105.20	8.59	13.242	
2,100.00	2,093.06	2,077.31	2,071.02	4.80	4.61	134.21	-74.83	65.30	143.87	134.77	9.10	15.816	
2,200.00	2,189.64	2,167.88	2,158.72	5.17	4.95	133.60	-87.78	83.83	178.24	168.59	9.64	18.488	
2,300.00	2,285.27	2,257.64	2,244.93	5.60	5.32	133.07	-102.09	104.28	216.64	206.41	10.23	21.175	
2,393.32	2,373.54	2,342.76	2,326.53	6.05	5.71	132.96	-115.98	124.13	254.85	244.02	10.83	23.530	
2,400.00	2,379.82	2,348.82	2,332.34	6.08	5.74	133.01	-116.96	125.55	257.65	246.77	10.88	23.685	
2,500.00	2,473.87	2,439.53	2,419.31	6.61	6.17	133.64	-131.76	146.70	299.63	288.02	11.61	25.812	
2,600.00	2,567.92	2,530.25	2,506.27	7.17	6.62	134.12	-146.56	167.86	341.63	329.27	12.37	27.623	
2,700.00	2,661.96	2,620.97	2,593.24	7.74	7.09	134.49	-161.36	189.02	383.65	370.50	13.15	29.169	
2,800.00	2,756.01	2,711.69	2,680.21	8.33	7.57	134.79	-176.16	210.18	425.68	411.72	13.96	30.498	
2,900.00	2,850.06	2,802.41	2,767.17	8.94	8.05	135.03	-190.96	231.33	467.72	452.94	14.78	31.646	
3,000.00	2,944.11	2,893.13	2,854.14	9.55	8.54	135.24	-205.76	252.49	509.76	494.14	15.62	32.642	
3,100.00	3,038.16	2,983.85	2,941.11	10.17	9.04	135.41	-220.56	273.65	551.81	535.34	16.47	33.513	
3,200.00	3,132.21	3,074.57	3,028.07	10.80	9.55	135.56	-235.36	294.81	593.86	576.53	17.32	34.278	
3,300.00	3,226.26	3,165.28	3,115.04	11.44	10.06	135.69	-250.16	315.97	635.91	617.72	18.19	34.955	
3,400.00	3,320.31	3,256.00	3,202.01	12.07	10.57	135.80	-264.96	337.12	677.97	658.90	19.07	35.556	
3,500.00	3,414.35	3,346.72	3,288.97	12.72	11.09	135.91	-279.76	358.28	720.03	700.08	19.95	36.093	
3,600.00	3,508.40	3,437.44	3,375.94	13.37	11.61	135.99	-294.56	379.44	762.09	741.25	20.84	36.574	
3,700.00	3,602.45	3,528.16	3,462.91	14.02	12.13	136.07	-309.36	400.60	804.15	782.42	21.73	37.007	
3,800.00	3,696.50	3,618.88	3,549.87	14.67	12.66	136.15	-324.16	421.75	846.21	823.58	22.63	37.399	
3,900.00	3,790.55	3,709.60	3,636.84	15.32	13.18	136.21	-338.96	442.91	888.27	864.74	23.53	37.755	
4,000.00	3,884.60	3,800.32	3,723.81	15.98	13.71	136.27	-353.76	464.07	930.34	905.90	24.43	38.079	
4,100.00	3,978.65	3,891.04	3,810.77	16.64	14.24	136.32	-368.56	485.23	972.40	947.06	25.34	38.375	
4,200.00	4,072.70	3,981.75	3,897.74	17.30	14.78	136.37	-383.36	506.38	1,014.47	988.22	26.25	38.647	
4,300.00	4,166.74	4,072.47	3,984.71	17.96	15.31	136.42	-398.16	527.54	1,056.53	1,029.37	27.16	38.897	
4,400.00	4,260.79	4,163.19	4,071.68	18.62	15.84	136.46	-412.96	548.70	1,098.60	1,070.52	28.08	39.127	
4,503.85	4,358.46	4,266.13	4,170.42	19.31	16.42	136.52	-429.62	572.53	1,142.18	1,113.13	29.05	39.319	
4,600.00	4,449.42	4,383.24	4,283.72	19.87	16.92	137.20	-446.59	596.78	1,179.80	1,149.80	30.00	39.325	
4,700.00	4,545.08	4,508.64	4,406.27	20.33	17.38	137.88	-461.80	618.52	1,214.22	1,183.36	30.86	39.345	
4,800.00	4,641.69	4,637.24	4,533.03	20.76	17.78	138.53	-474.18	636.23	1,243.68	1,212.04	31.64	39.303	
4,900.00	4,739.14	4,768.49	4,663.27	21.14	18.12	139.16	-483.45	649.48	1,268.02	1,235.68	32.34	39.209	
5,000.00	4,837.32	4,901.76	4,796.13	21.48	18.39	139.79	-489.35	657.92	1,287.12	1,254.18	32.94	39.073	

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



Weatherford International Ltd.

Anticollision Report



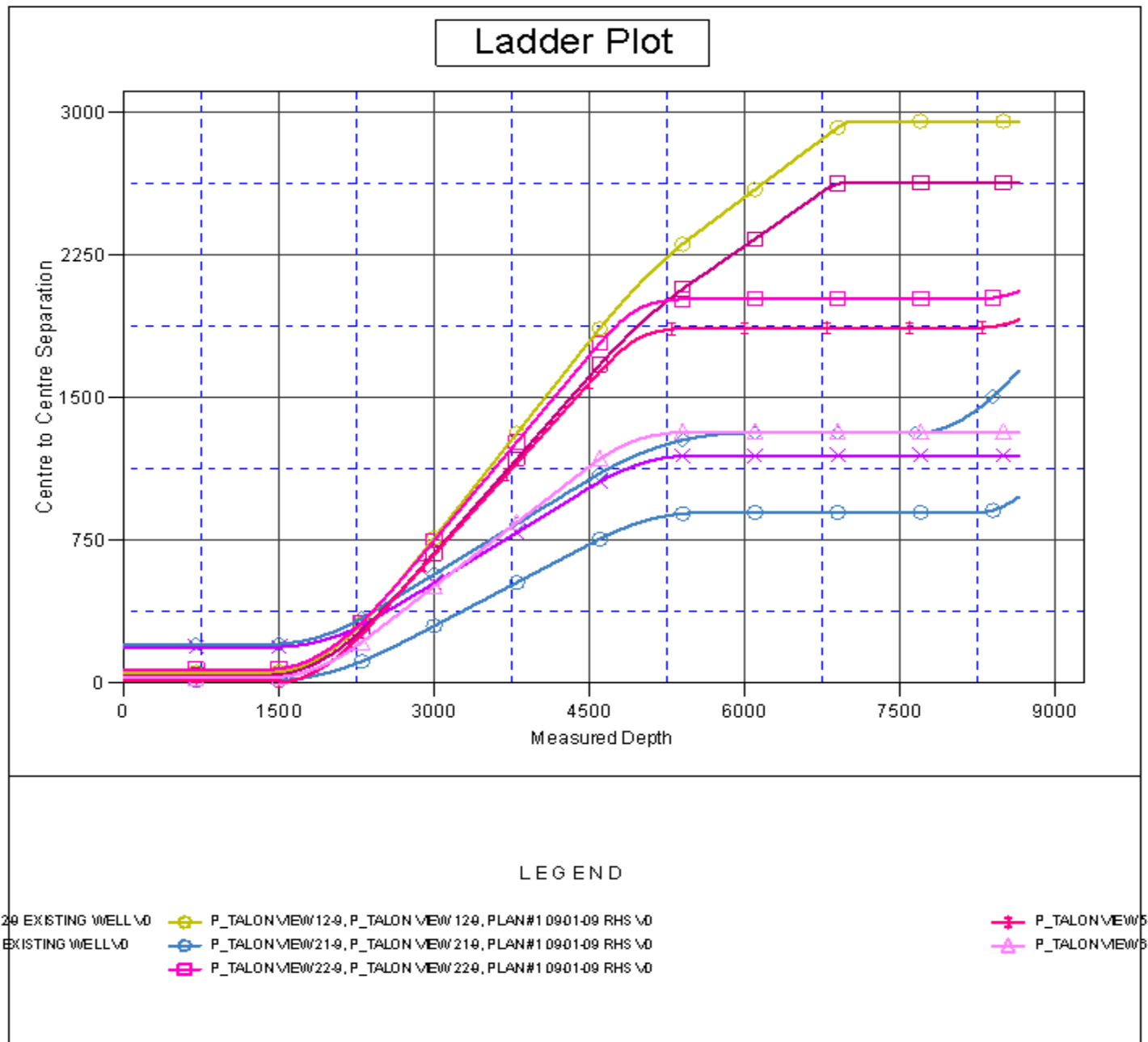
Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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	4,936.10	5,036.39	4,930.68	21.78	18.58	140.42	-491.71	661.29	1,300.91	1,267.47	33.43	38.910	
5,200.00	5,035.36	5,141.07	5,035.36	22.03	18.71	140.89	-491.75	661.35	1,310.32	1,276.50	33.82	38.749	
5,300.00	5,134.98	5,240.69	5,134.98	22.24	18.83	141.22	-491.75	661.35	1,317.03	1,282.88	34.15	38.566	
5,400.00	5,234.85	5,340.55	5,234.85	22.41	18.95	141.40	-491.75	661.35	1,321.04	1,286.60	34.44	38.356	
5,497.17	5,332.00	5,437.71	5,332.00	22.52	19.07	179.76	-491.75	661.35	1,322.33	1,287.64	34.68	38.124	
5,500.00	5,334.83	5,440.53	5,334.83	22.52	19.07	179.76	-491.75	661.35	1,322.33	1,287.63	34.69	38.116	
5,600.00	5,434.83	5,540.53	5,434.83	22.64	19.20	179.76	-491.75	661.35	1,322.33	1,287.35	34.98	37.806	
5,700.00	5,534.83	5,640.53	5,534.83	22.75	19.33	179.76	-491.75	661.35	1,322.33	1,287.06	35.26	37.497	
5,800.00	5,634.83	5,740.53	5,634.83	22.86	19.46	179.76	-491.75	661.35	1,322.33	1,286.77	35.56	37.190	
5,900.00	5,734.83	5,840.53	5,734.83	22.98	19.59	179.76	-491.75	661.35	1,322.33	1,286.48	35.85	36.885	
6,000.00	5,834.83	5,940.53	5,834.83	23.09	19.72	179.76	-491.75	661.35	1,322.33	1,286.18	36.15	36.581	
6,100.00	5,934.83	6,040.53	5,934.83	23.21	19.86	179.76	-491.75	661.35	1,322.33	1,285.88	36.45	36.279	
6,200.00	6,034.83	6,140.53	6,034.83	23.33	20.00	179.76	-491.75	661.35	1,322.33	1,285.57	36.75	35.979	
6,300.00	6,134.83	6,240.53	6,134.83	23.45	20.13	179.76	-491.75	661.35	1,322.33	1,285.27	37.06	35.681	
6,400.00	6,234.83	6,340.53	6,234.83	23.58	20.27	179.76	-491.75	661.35	1,322.33	1,284.96	37.37	35.386	
6,500.00	6,334.83	6,440.53	6,334.83	23.70	20.42	179.76	-491.75	661.35	1,322.33	1,284.65	37.68	35.092	
6,600.00	6,434.83	6,540.53	6,434.83	23.83	20.56	179.76	-491.75	661.35	1,322.33	1,284.33	38.00	34.801	
6,700.00	6,534.83	6,640.53	6,534.83	23.96	20.70	179.76	-491.75	661.35	1,322.33	1,284.01	38.31	34.512	
6,800.00	6,634.83	6,740.53	6,634.83	24.08	20.85	179.76	-491.75	661.35	1,322.33	1,283.69	38.64	34.226	
6,900.00	6,734.83	6,840.53	6,734.83	24.21	21.00	179.76	-491.75	661.35	1,322.33	1,283.37	38.96	33.942	
7,000.00	6,834.83	6,940.53	6,834.83	24.35	21.14	179.76	-491.75	661.35	1,322.33	1,283.04	39.28	33.661	
7,100.00	6,934.83	7,040.53	6,934.83	24.48	21.29	179.76	-491.75	661.35	1,322.33	1,282.71	39.61	33.382	
7,200.00	7,034.83	7,140.53	7,034.83	24.61	21.44	179.76	-491.75	661.35	1,322.33	1,282.38	39.94	33.106	
7,300.00	7,134.83	7,240.53	7,134.83	24.75	21.60	179.76	-491.75	661.35	1,322.33	1,282.05	40.27	32.833	
7,400.00	7,234.83	7,340.53	7,234.83	24.89	21.75	179.76	-491.75	661.35	1,322.33	1,281.72	40.61	32.562	
7,500.00	7,334.83	7,440.53	7,334.83	25.03	21.91	179.76	-491.75	661.35	1,322.33	1,281.38	40.95	32.294	
7,600.00	7,434.83	7,540.53	7,434.83	25.16	22.06	179.76	-491.75	661.35	1,322.33	1,281.04	41.29	32.028	
7,700.00	7,534.83	7,640.53	7,534.83	25.31	22.22	179.76	-491.75	661.35	1,322.33	1,280.70	41.63	31.766	
7,800.00	7,634.83	7,740.53	7,634.83	25.45	22.38	179.76	-491.75	661.35	1,322.33	1,280.36	41.97	31.506	
7,900.00	7,734.83	7,840.53	7,734.83	25.59	22.54	179.76	-491.75	661.35	1,322.33	1,280.01	42.32	31.249	
8,000.00	7,834.83	7,940.53	7,834.83	25.74	22.70	179.76	-491.75	661.35	1,322.33	1,279.66	42.66	30.994	
8,100.00	7,934.83	8,040.53	7,934.83	25.88	22.86	179.76	-491.75	661.35	1,322.33	1,279.31	43.01	30.743	
8,200.00	8,034.83	8,140.53	8,034.83	26.03	23.02	179.76	-491.75	661.35	1,322.33	1,278.96	43.36	30.494	
8,300.00	8,134.83	8,240.53	8,134.83	26.18	23.19	179.76	-491.75	661.35	1,322.33	1,278.61	43.72	30.248	
8,400.00	8,234.83	8,340.53	8,234.83	26.32	23.35	179.76	-491.75	661.35	1,322.33	1,278.26	44.07	30.004	
8,500.00	8,334.83	8,440.53	8,334.83	26.47	23.52	179.76	-491.75	661.35	1,322.33	1,277.90	44.43	29.764	
8,600.00	8,434.83	8,540.53	8,434.83	26.63	23.68	179.76	-491.75	661.35	1,322.33	1,277.54	44.79	29.526	
8,649.17	8,484.00	8,589.71	8,484.00	26.70	23.77	179.76	-491.75	661.35	1,322.33	1,277.36	44.96	29.410	



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 3-9
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 3-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 3-9	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 3-9
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°





Reference Depths are relative to WELL @ 5171.00ft (Original Well ElevCoordinates are relative to: P_TALON VIEW 3-9
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°

