



US ROCKIES REGION PLANNING

KERR MCGEE OIL & GAS ONSHORE LP

ADAMS_TALON VIEW 7 PAD

P_TALON VIEW 22-9

P_TALON VIEW 22-9

Plan: PLAN #1 09-01-09 RHS

Standard Planning Report

01 September, 2009





P. TALON VIEW 22-9
KERR MCGEE OIL & GAS ONSHORE LP
SECTION 9 T1S R67W
1559 FNL 1321 FWL
LAT: 39° 58' 55.668 N
LONG: 104° 53' 54.924 W



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

WELL DETAILS: P_TALON VIEW 22-9

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1236908.74	3168530.03	5156.00	39° 58' 55.668 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	
2558.11	23.16	179.05	2526.82	-230.88	3.82	2.00	179.05	230.92	
3968.12	23.16	179.05	3823.18	-785.41	12.99	0.00	0.00	785.52	
5126.23	0.00	0.00	4950.00	-1016.30	16.81	2.00	180.00	1016.44	
8273.23	0.00	0.00	8097.00	-1016.30	16.81	0.00	0.00	1016.44	PBHL_TALON VIEW 22-9(2575 FSL 1335 FWL)50' TGT RAD

FORMATION TOP DETAILS

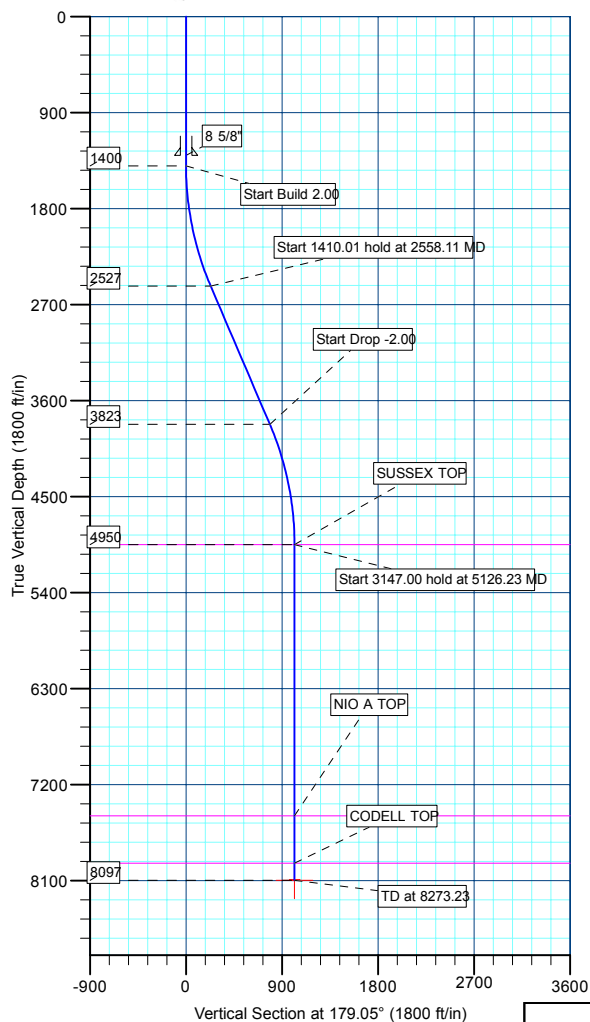
TVDPath	MDPath	Formation
4950.00	5126.23	SUSSEX TOP
7492.00	7668.23	NIO A TOP
7937.00	8113.23	CODELL TOP

CASING DETAILS

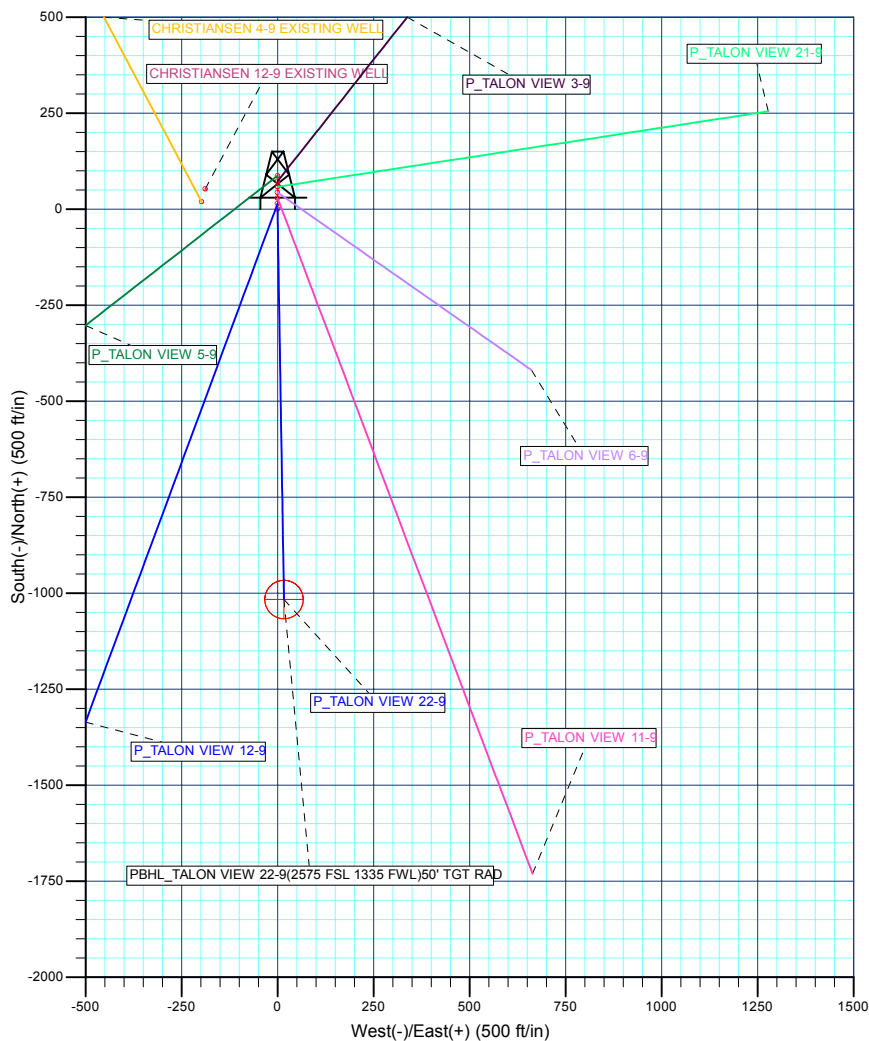
TVD	MD	Name	Size
1300.00	1300.00	8 5/8"	8.62



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



Vertical Section at 179.05° (1800 ft/in)



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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8097.00	-1016.30	16.81	1235892.58	3168553.74	39° 58' 45.624 N	104° 53' 54.708 W	Circle (Radius: 50.00)

Plan: PLAN #1 09-01-09 RHS (P_TALON VIEW 22-9/P_TALON VIEW 22-9)

Created By: Robert H. Scott



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 22-9		
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:	3,168,529.83 ft	Longitude:	104° 53' 54.924 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.39 °

Well	P_TALON VIEW 22-9					
Well Position	+N/-S	-29.17 ft	Northing:	1,236,908.74 ft	Latitude:	39° 58' 55.668 N
	+E/-W	0.00 ft	Easting:	3,168,530.03 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 22-9				
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	179.05

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	
2,558.11	23.16	179.05	2,526.82	-230.88	3.82	2.00	2.00	0.00	179.05	
3,968.12	23.16	179.05	3,823.18	-785.41	12.99	0.00	0.00	0.00	0.00	
5,126.23	0.00	0.00	4,950.00	-1,016.30	16.81	2.00	-2.00	0.00	180.00	
8,273.23	0.00	0.00	8,097.00	-1,016.30	16.81	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 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 22-9		
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	179.05	1,499.98	-1.74	0.03	1.75	2.00	2.00	0.00
1,600.00	4.00	179.05	1,599.84	-6.98	0.12	6.98	2.00	2.00	0.00
1,700.00	6.00	179.05	1,699.45	-15.69	0.26	15.69	2.00	2.00	0.00
1,800.00	8.00	179.05	1,798.70	-27.88	0.46	27.88	2.00	2.00	0.00
1,900.00	10.00	179.05	1,897.47	-43.52	0.72	43.52	2.00	2.00	0.00
2,000.00	12.00	179.05	1,995.62	-62.59	1.04	62.60	2.00	2.00	0.00
2,100.00	14.00	179.05	2,093.06	-85.08	1.41	85.10	2.00	2.00	0.00
2,200.00	16.00	179.05	2,189.64	-110.96	1.84	110.98	2.00	2.00	0.00
2,300.00	18.00	179.05	2,285.27	-140.19	2.32	140.21	2.00	2.00	0.00
2,400.00	20.00	179.05	2,379.82	-172.74	2.86	172.77	2.00	2.00	0.00
2,500.00	22.00	179.05	2,473.17	-208.57	3.45	208.60	2.00	2.00	0.00
Start 1410.01 hold at 2558.11 MD									
2,558.11	23.16	179.05	2,526.82	-230.88	3.82	230.92	2.00	2.00	0.00
2,600.00	23.16	179.05	2,565.34	-247.36	4.09	247.39	0.00	0.00	0.00
2,700.00	23.16	179.05	2,657.28	-286.69	4.74	286.73	0.00	0.00	0.00
2,800.00	23.16	179.05	2,749.22	-326.02	5.39	326.06	0.00	0.00	0.00
2,900.00	23.16	179.05	2,841.16	-365.34	6.04	365.39	0.00	0.00	0.00
3,000.00	23.16	179.05	2,933.09	-404.67	6.70	404.73	0.00	0.00	0.00
3,100.00	23.16	179.05	3,025.03	-444.00	7.35	444.06	0.00	0.00	0.00
3,200.00	23.16	179.05	3,116.97	-483.33	8.00	483.39	0.00	0.00	0.00
3,300.00	23.16	179.05	3,208.91	-522.66	8.65	522.73	0.00	0.00	0.00
3,400.00	23.16	179.05	3,300.85	-561.98	9.30	562.06	0.00	0.00	0.00
3,500.00	23.16	179.05	3,392.79	-601.31	9.95	601.39	0.00	0.00	0.00
3,600.00	23.16	179.05	3,484.73	-640.64	10.60	640.73	0.00	0.00	0.00
3,700.00	23.16	179.05	3,576.67	-679.97	11.25	680.06	0.00	0.00	0.00
3,800.00	23.16	179.05	3,668.61	-719.30	11.90	719.40	0.00	0.00	0.00
3,900.00	23.16	179.05	3,760.55	-758.62	12.55	758.73	0.00	0.00	0.00
Start Drop -2.00									
3,968.12	23.16	179.05	3,823.18	-785.41	12.99	785.52	0.00	0.00	0.00
4,000.00	22.52	179.05	3,852.56	-797.79	13.20	797.90	2.00	-2.00	0.00
4,100.00	20.52	179.05	3,945.58	-834.47	13.81	834.59	2.00	-2.00	0.00
4,200.00	18.52	179.05	4,039.83	-867.89	14.36	868.01	2.00	-2.00	0.00
4,300.00	16.52	179.05	4,135.18	-897.99	14.86	898.12	2.00	-2.00	0.00
4,400.00	14.52	179.05	4,231.53	-924.75	15.30	924.88	2.00	-2.00	0.00
4,500.00	12.52	179.05	4,328.75	-948.14	15.69	948.27	2.00	-2.00	0.00
4,600.00	10.52	179.05	4,426.73	-968.11	16.02	968.24	2.00	-2.00	0.00
4,700.00	8.52	179.05	4,525.34	-984.65	16.29	984.79	2.00	-2.00	0.00
4,800.00	6.52	179.05	4,624.48	-997.75	16.51	997.88	2.00	-2.00	0.00
4,900.00	4.52	179.05	4,724.01	-1,007.37	16.67	1,007.51	2.00	-2.00	0.00
5,000.00	2.52	179.05	4,823.81	-1,013.52	16.77	1,013.66	2.00	-2.00	0.00
5,100.00	0.52	179.05	4,923.77	-1,016.18	16.81	1,016.32	2.00	-2.00	0.00
Start 3147.00 hold at 5126.23 MD - SUSSEX TOP									
5,126.23	0.00	0.00	4,950.00	-1,016.30	16.81	1,016.44	2.00	-2.00	-682.69
5,200.00	0.00	0.00	5,023.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
5,300.00	0.00	0.00	5,123.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
5,400.00	0.00	0.00	5,223.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
5,500.00	0.00	0.00	5,323.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
5,600.00	0.00	0.00	5,423.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
5,700.00	0.00	0.00	5,523.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
5,800.00	0.00	0.00	5,623.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
5,900.00	0.00	0.00	5,723.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 22-9		
Design:	PLAN #1 09-01-09 RHS		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,000.00	0.00	0.00	5,823.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
6,100.00	0.00	0.00	5,923.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
6,200.00	0.00	0.00	6,023.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
6,300.00	0.00	0.00	6,123.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
6,400.00	0.00	0.00	6,223.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
6,500.00	0.00	0.00	6,323.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
6,600.00	0.00	0.00	6,423.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
6,700.00	0.00	0.00	6,523.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
6,800.00	0.00	0.00	6,623.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
6,900.00	0.00	0.00	6,723.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
7,000.00	0.00	0.00	6,823.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
7,100.00	0.00	0.00	6,923.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
7,200.00	0.00	0.00	7,023.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
7,300.00	0.00	0.00	7,123.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
7,400.00	0.00	0.00	7,223.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
7,500.00	0.00	0.00	7,323.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
7,600.00	0.00	0.00	7,423.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
NIO A TOP									
7,668.23	0.00	0.00	7,492.00	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
7,700.00	0.00	0.00	7,523.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
7,800.00	0.00	0.00	7,623.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
7,900.00	0.00	0.00	7,723.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
8,000.00	0.00	0.00	7,823.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
8,100.00	0.00	0.00	7,923.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
CODELL TOP									
8,113.23	0.00	0.00	7,937.00	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
8,200.00	0.00	0.00	8,023.77	-1,016.30	16.81	1,016.44	0.00	0.00	0.00
PBHL_TALON VIEW 22-9(2575 FSL 1335 FWL)50' TGT RAD									
8,273.23	0.00	0.00	8,097.00	-1,016.30	16.81	1,016.44	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	8,097.00	-1,016.30	16.81	1,235,892.58	3,168,553.74	39° 58' 45.624 N	104° 53' 54.708 W
- plan hits target center									
- Circle (radius 50.00)									

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



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 22-9		
Design:	PLAN #1 09-01-09 RHS		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,126.23	4,950.00	SUSSEX TOP			
7,668.23	7,492.00	NIO A TOP			
8,113.23	7,937.00	CODELL TOP			

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,400.00	1,400.00	0.00	0.00	Start Build 2.00
2,558.11	2,526.82	-230.88	3.82	Start 1410.01 hold at 2558.11 MD
3,968.12	3,823.18	-785.41	12.99	Start Drop -2.00
5,126.23	4,950.00	-1,016.30	16.81	Start 3147.00 hold at 5126.23 MD
8,273.23	8,097.00	-1,016.30	16.81	TD at 8273.23



US ROCKIES REGION PLANNING

**KERR MCGEE OIL & GAS ONSHORE LP
ADAMS_TALON VIEW 7 PAD
P_TALON VIEW 22-9**

**P_TALON VIEW 22-9
PLAN #1 09-01-09 RHS**

Anticollision Report

01 September, 2009





Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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	8,273.23	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						
CHRISTIENSEN 12-9 EXISTING WELL - CHRISTIANSE	1,400.00	1,400.00	195.53	138.75	3.444	CC
CHRISTIENSEN 12-9 EXISTING WELL - CHRISTIANSE	1,700.00	1,699.45	200.59	131.32	2.896	ES
CHRISTIENSEN 12-9 EXISTING WELL - CHRISTIANSE	2,000.00	1,995.62	221.72	140.34	2.724	SF
CHRISTIENSEN 4-9 EXISTING WELL - CHRISTIANSE	1,400.00	1,400.00	198.89	192.86	32.939	CC
CHRISTIENSEN 4-9 EXISTING WELL - CHRISTIANSE	1,500.00	1,499.98	199.10	192.65	30.830	ES
CHRISTIENSEN 4-9 EXISTING WELL - CHRISTIANSE	1,800.00	1,784.34	214.10	206.46	28.034	SF
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,400.00	1,400.00	29.17	23.13	4.833	CC
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,500.00	1,500.96	29.27	22.84	4.555	ES
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,700.00	1,702.78	30.51	23.40	4.290	SF
P_TALON VIEW 12-9 - P_TALON VIEW 12-9 - PLAN #1	1,400.00	1,400.00	14.59	8.55	2.417	CC
P_TALON VIEW 12-9 - P_TALON VIEW 12-9 - PLAN #1	1,500.00	1,500.48	14.70	8.28	2.288	ES
P_TALON VIEW 12-9 - P_TALON VIEW 12-9 - PLAN #1	1,600.00	1,600.93	15.21	8.44	2.249	SF
P_TALON VIEW 21-9 - P_TALON VIEW 21-9 - PLAN #1	1,400.00	1,400.00	58.29	52.26	9.659	CC, ES
P_TALON VIEW 21-9 - P_TALON VIEW 21-9 - PLAN #1	1,500.00	1,499.62	60.33	53.89	9.367	SF
P_TALON VIEW 3-9 - P_TALON VIEW 3-9 - PLAN #1 05	1,400.00	1,400.00	72.87	66.84	12.075	CC, ES
P_TALON VIEW 3-9 - P_TALON VIEW 3-9 - PLAN #1 05	1,500.00	1,497.94	75.97	69.52	11.787	SF
P_TALON VIEW 5-9 - P_TALON VIEW 5-9 - PLAN #1 05	1,400.00	1,400.00	87.44	81.40	14.489	CC, ES
P_TALON VIEW 5-9 - P_TALON VIEW 5-9 - PLAN #1 05	1,700.00	1,705.05	94.20	87.05	13.183	SF
P_TALON VIEW 6-9 - P_TALON VIEW 6-9 - PLAN #1 05	1,400.00	1,400.00	43.73	37.69	7.245	CC, ES
P_TALON VIEW 6-9 - P_TALON VIEW 6-9 - PLAN #1 05	1,500.00	1,500.86	44.48	38.05	6.916	SF

Offset Design ADAMS_TALON VIEW 7 PAD - CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSEN 12-9 EXISTI												
Survey Program: 0-UNKNOWN												
Reference Offset Semi Major Axis Distance												
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor
0.00	0.00	0.00	0.00	0.00	0.00	-74.32	52.85	-188.25	195.53			
100.00	100.00	100.00	100.00	0.10	1.76	-74.32	52.85	-188.25	195.53	193.68	1.86	105.378
200.00	200.00	200.00	200.00	0.32	5.76	-74.32	52.85	-188.25	195.53	189.45	6.08	32.158
300.00	300.00	300.00	300.00	0.55	9.76	-74.32	52.85	-188.25	195.53	185.23	10.31	18.974
400.00	400.00	400.00	400.00	0.77	13.76	-74.32	52.85	-188.25	195.53	181.00	14.53	13.457
500.00	500.00	500.00	500.00	0.99	17.76	-74.32	52.85	-188.25	195.53	176.78	18.75	10.426
600.00	600.00	600.00	600.00	1.22	21.76	-74.32	52.85	-188.25	195.53	172.55	22.98	8.509
700.00	700.00	700.00	700.00	1.44	25.76	-74.32	52.85	-188.25	195.53	168.33	27.20	7.188

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 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
800.00	800.00	800.00	800.00	1.67	29.76	-74.32	52.85	-188.25	195.53	164.10	31.43	6.221	
900.00	900.00	900.00	900.00	1.89	33.76	-74.32	52.85	-188.25	195.53	159.88	35.65	5.484	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	37.76	-74.32	52.85	-188.25	195.53	155.65	39.88	4.903	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	41.76	-74.32	52.85	-188.25	195.53	151.43	44.10	4.434	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	45.76	-74.32	52.85	-188.25	195.53	147.20	48.33	4.046	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	49.76	-74.32	52.85	-188.25	195.53	142.98	52.55	3.721	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	53.76	-74.32	52.85	-188.25	195.53	138.75	56.78	3.444	CC
1,500.00	1,499.98	1,499.98	1,499.98	3.21	57.76	107.11	52.85	-188.25	196.04	135.07	60.97	3.215	
1,600.00	1,599.84	1,599.84	1,599.84	3.39	61.75	108.53	52.85	-188.25	197.64	132.51	65.13	3.035	
1,700.00	1,699.45	1,699.45	1,699.45	3.57	65.74	110.82	52.85	-188.25	200.59	131.32	69.27	2.896	ES
1,800.00	1,798.70	1,798.70	1,798.70	3.77	69.71	113.90	52.85	-188.25	205.26	131.88	73.38	2.797	
1,900.00	1,897.47	1,897.47	1,897.47	4.00	73.66	117.61	52.85	-188.25	212.13	134.70	77.43	2.740	
2,000.00	1,995.62	1,995.62	1,995.62	4.27	77.58	121.76	52.85	-188.25	221.72	140.34	81.38	2.724	SF
2,100.00	2,093.06	2,093.06	2,093.06	4.58	81.48	126.15	52.85	-188.25	234.52	149.33	85.18	2.753	
2,200.00	2,189.64	2,189.64	2,189.64	4.94	85.35	130.58	52.85	-188.25	250.94	162.14	88.79	2.826	
2,300.00	2,285.27	2,285.27	2,285.27	5.36	89.17	134.88	52.85	-188.25	271.26	179.10	92.16	2.943	
2,400.00	2,379.82	2,379.82	2,379.82	5.85	92.95	138.92	52.85	-188.25	295.66	200.40	95.27	3.104	
2,500.00	2,473.17	2,473.17	2,473.17	6.40	96.69	142.63	52.85	-188.25	324.18	226.10	98.08	3.305	
2,558.11	2,526.82	2,526.82	2,526.82	6.76	98.83	144.61	52.85	-188.25	342.63	243.05	99.58	3.441	
2,600.00	2,565.34	2,565.34	2,565.34	7.02	100.37	146.11	52.85	-188.25	356.54	255.57	100.98	3.531	
2,700.00	2,657.28	2,657.28	2,657.28	7.68	104.05	149.26	52.85	-188.25	390.56	286.21	104.35	3.743	
2,800.00	2,749.22	2,749.22	2,749.22	8.35	107.73	151.92	52.85	-188.25	425.49	317.71	107.77	3.948	
2,900.00	2,841.16	2,841.16	2,841.16	9.04	111.41	154.19	52.85	-188.25	461.13	349.88	111.24	4.145	
3,000.00	2,933.09	2,933.09	2,933.09	9.75	115.08	156.14	52.85	-188.25	497.33	382.58	114.75	4.334	
3,100.00	3,025.03	3,025.03	3,025.03	10.47	118.76	157.83	52.85	-188.25	533.97	415.68	118.28	4.514	
3,200.00	3,116.97	3,116.97	3,116.97	11.19	122.44	159.30	52.85	-188.25	570.97	449.12	121.84	4.686	
3,300.00	3,208.91	3,208.91	3,208.91	11.92	126.12	160.60	52.85	-188.25	608.26	482.84	125.42	4.850	
3,400.00	3,300.85	3,300.85	3,300.85	12.66	129.79	161.75	52.85	-188.25	645.79	516.77	129.02	5.005	
3,500.00	3,392.79	3,392.79	3,392.79	13.40	133.47	162.78	52.85	-188.25	683.53	550.90	132.63	5.154	
3,600.00	3,484.73	3,484.73	3,484.73	14.15	137.15	163.70	52.85	-188.25	721.44	585.18	136.26	5.295	
3,700.00	3,576.67	3,576.67	3,576.67	14.90	140.83	164.52	52.85	-188.25	759.49	619.60	139.90	5.429	
3,800.00	3,668.61	3,668.61	3,668.61	15.65	144.50	165.27	52.85	-188.25	797.67	654.13	143.54	5.557	
3,900.00	3,760.55	3,760.55	3,760.55	16.41	148.18	165.96	52.85	-188.25	835.95	688.76	147.19	5.679	
3,968.12	3,823.18	3,823.18	3,823.18	16.92	150.69	166.39	52.85	-188.25	862.09	712.40	149.69	5.759	
4,000.00	3,852.56	3,852.56	3,852.56	17.13	151.86	166.64	52.85	-188.25	874.17	722.72	151.45	5.772	
4,100.00	3,945.58	3,945.58	3,945.58	17.67	155.58	167.34	52.85	-188.25	910.04	753.08	156.96	5.798	
4,200.00	4,039.83	4,039.83	4,039.83	18.17	159.35	167.93	52.85	-188.25	942.77	780.32	162.45	5.803	
4,300.00	4,135.18	4,135.18	4,135.18	18.65	163.17	168.42	52.85	-188.25	972.30	804.41	167.88	5.791	
4,400.00	4,231.53	4,231.53	4,231.53	19.09	167.02	168.84	52.85	-188.25	998.57	825.28	173.29	5.762	
4,500.00	4,328.75	4,328.75	4,328.75	19.48	170.91	169.18	52.85	-188.25	1,021.55	842.92	178.63	5.719	
4,600.00	4,426.73	4,426.73	4,426.73	19.84	174.83	169.46	52.85	-188.25	1,041.20	857.36	183.84	5.664	
4,700.00	4,525.34	4,525.34	4,525.34	20.16	178.77	169.68	52.85	-188.25	1,057.48	868.58	188.90	5.598	
4,800.00	4,624.48	4,624.48	4,624.48	20.43	182.74	169.85	52.85	-188.25	1,070.37	876.58	193.79	5.523	
4,900.00	4,724.01	4,724.01	4,724.01	20.65	186.72	169.98	52.85	-188.25	1,079.85	881.36	198.49	5.440	
5,000.00	4,823.81	4,823.81	4,823.81	20.83	190.71	170.06	52.85	-188.25	1,085.90	882.92	202.98	5.350	
5,100.00	4,923.77	4,923.77	4,923.77	20.97	194.71	170.09	52.85	-188.25	1,088.52	881.29	207.23	5.253	
5,126.23	4,950.00	4,950.00	4,950.00	21.00	195.76	-10.86	52.85	-188.25	1,088.64	880.33	208.31	5.226	
5,200.00	5,023.77	5,023.77	5,023.77	21.07	198.71	-10.86	52.85	-188.25	1,088.64	877.26	211.38	5.150	
5,300.00	5,123.77	5,123.77	5,123.77	21.17	202.71	-10.86	52.85	-188.25	1,088.64	873.09	215.55	5.050	
5,400.00	5,223.77	5,223.77	5,223.77	21.27	206.71	-10.86	52.85	-188.25	1,088.64	868.92	219.72	4.955	
5,500.00	5,323.77	5,323.77	5,323.77	21.38	210.71	-10.86	52.85	-188.25	1,088.64	864.75	223.89	4.862	
5,600.00	5,423.77	5,423.77	5,423.77	21.48	214.71	-10.86	52.85	-188.25	1,088.64	860.57	228.07	4.773	

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 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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			
5,700.00	5,523.77	5,523.77	5,523.77	21.59	218.71	-10.86	52.85	-188.25	1,088.64	856.40	232.24	4.688			
5,800.00	5,623.77	5,623.77	5,623.77	21.70	222.71	-10.86	52.85	-188.25	1,088.64	852.22	236.42	4.605			
5,900.00	5,723.77	5,723.77	5,723.77	21.81	226.71	-10.86	52.85	-188.25	1,088.64	848.05	240.59	4.525			
6,000.00	5,823.77	5,823.77	5,823.77	21.93	230.71	-10.86	52.85	-188.25	1,088.64	843.87	244.77	4.448			
6,100.00	5,923.77	5,923.77	5,923.77	22.04	234.71	-10.86	52.85	-188.25	1,088.64	839.69	248.95	4.373			
6,200.00	6,023.77	6,023.77	6,023.77	22.16	238.71	-10.86	52.85	-188.25	1,088.64	835.51	253.13	4.301			
6,300.00	6,123.77	6,123.77	6,123.77	22.28	242.71	-10.86	52.85	-188.25	1,088.64	831.33	257.31	4.231			
6,400.00	6,223.77	6,223.77	6,223.77	22.40	246.71	-10.86	52.85	-188.25	1,088.64	827.14	261.50	4.163			
6,500.00	6,323.77	6,323.77	6,323.77	22.52	250.71	-10.86	52.85	-188.25	1,088.64	822.96	265.68	4.098			
6,600.00	6,423.77	6,423.77	6,423.77	22.64	254.71	-10.86	52.85	-188.25	1,088.64	818.77	269.87	4.034			
6,700.00	6,523.77	6,523.77	6,523.77	22.77	258.71	-10.86	52.85	-188.25	1,088.64	814.58	274.06	3.972			
6,800.00	6,623.77	6,623.77	6,623.77	22.89	262.71	-10.86	52.85	-188.25	1,088.64	810.40	278.24	3.913			
6,900.00	6,723.77	6,723.77	6,723.77	23.02	266.71	-10.86	52.85	-188.25	1,088.64	806.21	282.43	3.855			
7,000.00	6,823.77	6,823.77	6,823.77	23.15	270.71	-10.86	52.85	-188.25	1,088.64	802.02	286.62	3.798			
7,100.00	6,923.77	6,923.77	6,923.77	23.28	274.71	-10.86	52.85	-188.25	1,088.64	797.83	290.81	3.743			
7,200.00	7,023.77	7,023.77	7,023.77	23.41	278.71	-10.86	52.85	-188.25	1,088.64	793.64	295.00	3.690			
7,300.00	7,123.77	7,123.77	7,123.77	23.55	282.71	-10.86	52.85	-188.25	1,088.64	789.44	299.20	3.639			
7,400.00	7,223.77	7,223.77	7,223.77	23.68	286.71	-10.86	52.85	-188.25	1,088.64	785.25	303.39	3.588			
7,500.00	7,323.77	7,323.77	7,323.77	23.82	290.71	-10.86	52.85	-188.25	1,088.64	781.06	307.58	3.539			
7,600.00	7,423.77	7,423.77	7,423.77	23.95	294.71	-10.86	52.85	-188.25	1,088.64	776.86	311.78	3.492			
7,700.00	7,523.77	7,523.77	7,523.77	24.09	298.71	-10.86	52.85	-188.25	1,088.64	772.67	315.97	3.445			
7,800.00	7,623.77	7,623.77	7,623.77	24.23	302.71	-10.86	52.85	-188.25	1,088.64	768.47	320.17	3.400			
7,900.00	7,723.77	7,723.77	7,723.77	24.37	306.71	-10.86	52.85	-188.25	1,088.64	764.27	324.37	3.356			
8,000.00	7,823.77	7,823.77	7,823.77	24.52	310.71	-10.86	52.85	-188.25	1,088.64	760.08	328.56	3.313			
8,100.00	7,923.77	7,923.77	7,923.77	24.66	314.71	-10.86	52.85	-188.25	1,088.64	755.88	332.76	3.272			
8,200.00	8,023.77	8,023.77	8,023.77	24.81	318.71	-10.86	52.85	-188.25	1,088.64	751.68	336.96	3.231			
8,273.23	8,097.00	8,097.00	8,097.00	24.91	321.64	-10.86	52.85	-188.25	1,088.64	748.60	340.04	3.202			



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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	-84.31	19.73	-197.91	198.89				
100.00	100.00	100.00	100.00	0.10	0.10	-84.31	19.73	-197.91	198.89	198.70	0.19	1,023.000	
200.00	200.00	200.00	200.00	0.32	0.32	-84.31	19.73	-197.91	198.89	198.25	0.64	308.864	
300.00	300.00	300.00	300.00	0.55	0.55	-84.31	19.73	-197.91	198.89	197.80	1.09	181.890	
400.00	400.00	400.00	400.00	0.77	0.77	-84.31	19.73	-197.91	198.89	197.35	1.54	128.900	
500.00	500.00	500.00	500.00	0.99	1.00	-84.31	19.73	-197.91	198.89	196.90	1.99	99.819	
600.00	600.00	600.00	600.00	1.22	1.22	-84.31	19.73	-197.91	198.89	196.45	2.44	81.445	
700.00	700.00	700.00	700.00	1.44	1.45	-84.31	19.73	-197.91	198.89	196.00	2.89	68.783	
800.00	800.00	800.00	800.00	1.67	1.67	-84.31	19.73	-197.91	198.89	195.55	3.34	59.529	
900.00	900.00	900.00	900.00	1.89	1.90	-84.31	19.73	-197.91	198.89	195.10	3.79	52.469	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-84.31	19.73	-197.91	198.89	194.65	4.24	46.907	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.35	-84.31	19.73	-197.91	198.89	194.20	4.69	42.411	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	-84.31	19.73	-197.91	198.89	193.76	5.14	38.701	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.80	-84.31	19.73	-197.91	198.89	193.31	5.59	35.588	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	-84.31	19.73	-197.91	198.89	192.86	6.04	32.939 CC	
1,500.00	1,499.98	1,499.98	1,499.98	3.21	3.25	97.14	19.73	-197.91	199.10	192.65	6.46	30.830 ES	
1,600.00	1,599.84	1,595.91	1,595.89	3.39	3.46	98.90	21.15	-198.66	200.80	193.96	6.84	29.345	
1,700.00	1,699.45	1,690.90	1,690.76	3.57	3.67	102.17	25.35	-200.88	205.47	198.24	7.23	28.405	
1,800.00	1,798.70	1,784.34	1,783.88	3.77	3.88	106.59	32.20	-204.50	214.10	206.46	7.64	28.034 SF	
1,900.00	1,897.47	1,875.68	1,874.60	4.00	4.10	111.72	41.48	-209.41	227.82	219.76	8.06	28.283	
2,000.00	1,995.62	1,964.40	1,962.37	4.27	4.32	117.05	52.94	-215.46	247.64	239.15	8.49	29.185	
2,100.00	2,093.06	2,050.07	2,046.70	4.58	4.56	122.16	66.28	-222.52	274.23	265.31	8.92	30.738	
2,200.00	2,189.64	2,132.30	2,127.18	4.94	4.81	126.77	81.17	-230.39	307.81	298.45	9.36	32.888	
2,300.00	2,285.27	2,210.79	2,203.52	5.36	5.07	130.74	97.29	-238.91	348.24	338.45	9.79	35.554	
2,400.00	2,379.82	2,286.69	2,276.84	5.85	5.34	134.12	114.61	-248.06	395.14	384.91	10.23	38.617	
2,500.00	2,473.17	2,368.11	2,355.30	6.40	5.67	137.29	133.84	-258.23	446.79	436.11	10.68	41.829	
2,558.11	2,526.82	2,414.49	2,400.00	6.76	5.86	138.87	144.80	-264.02	478.50	467.56	10.94	43.733	
2,600.00	2,565.34	2,447.68	2,431.98	7.02	6.00	140.25	152.64	-268.16	501.91	490.76	11.15	45.032	
2,700.00	2,657.28	2,526.90	2,508.32	7.68	6.34	143.12	171.36	-278.06	558.55	546.91	11.63	48.011	
2,800.00	2,749.22	2,606.12	2,584.66	8.35	6.69	145.49	190.08	-287.95	616.02	603.89	12.13	50.798	
2,900.00	2,841.16	2,685.35	2,661.00	9.04	7.05	147.47	208.80	-297.84	674.12	661.50	12.63	53.388	
3,000.00	2,933.09	2,764.57	2,737.35	9.75	7.42	149.15	227.52	-307.74	732.70	719.57	13.13	55.796	
3,100.00	3,025.03	2,843.79	2,813.69	10.47	7.80	150.60	246.23	-317.63	791.64	778.00	13.64	58.032	
3,200.00	3,116.97	2,923.01	2,890.03	11.19	8.18	151.85	264.95	-327.52	850.88	836.72	14.16	60.108	
3,300.00	3,208.91	3,002.24	2,966.37	11.92	8.57	152.94	283.67	-337.42	910.35	895.68	14.67	62.036	
3,400.00	3,300.85	3,081.46	3,042.71	12.66	8.97	153.89	302.39	-347.31	970.02	954.82	15.20	63.824	
3,500.00	3,392.79	3,160.68	3,119.05	13.40	9.36	154.75	321.10	-357.20	1,029.85	1,014.12	15.73	65.488	
3,600.00	3,484.73	3,239.90	3,195.39	14.15	9.76	155.50	339.82	-367.09	1,089.80	1,073.55	16.26	67.037	
3,700.00	3,576.67	3,319.13	3,271.73	14.90	10.17	156.19	358.54	-376.99	1,149.88	1,133.08	16.79	68.481	
3,800.00	3,668.61	3,398.35	3,348.08	15.65	10.57	156.80	377.26	-386.88	1,210.04	1,192.71	17.33	69.828	
3,900.00	3,760.55	3,477.57	3,424.42	16.41	10.98	157.36	395.97	-396.77	1,270.29	1,252.42	17.87	71.086	
3,968.12	3,823.18	3,531.54	3,476.42	16.92	11.26	157.71	408.72	-403.51	1,311.37	1,293.13	18.24	71.897	
4,000.00	3,852.56	3,556.90	3,500.86	17.13	11.39	158.04	414.72	-406.68	1,330.47	1,312.04	18.44	72.168	
4,100.00	3,945.58	3,637.80	3,578.81	17.67	11.81	158.98	433.83	-416.78	1,388.71	1,369.68	19.03	72.982	
4,200.00	4,039.83	3,720.65	3,658.65	18.17	12.24	159.77	453.41	-427.13	1,444.31	1,424.68	19.62	73.601	
4,300.00	4,135.18	3,805.36	3,740.28	18.65	12.69	160.44	473.42	-437.71	1,497.17	1,476.96	20.22	74.061	
4,400.00	4,231.53	3,891.82	3,823.60	19.09	13.14	160.99	493.85	-448.50	1,547.24	1,526.44	20.80	74.391	
4,500.00	4,328.75	3,979.94	3,908.51	19.48	13.61	161.46	514.67	-459.51	1,594.43	1,573.06	21.37	74.613	
4,600.00	4,426.73	4,069.59	3,994.91	19.84	14.08	161.84	535.85	-470.70	1,638.68	1,616.75	21.92	74.747	
4,700.00	4,525.34	4,160.68	4,082.68	20.16	14.57	162.14	557.37	-482.08	1,679.93	1,657.47	22.46	74.807	
4,800.00	4,624.48	4,253.09	4,171.73	20.43	15.06	162.38	579.20	-493.62	1,718.13	1,695.16	22.97	74.806	
4,900.00	4,724.01	4,346.70	4,261.94	20.65	15.56	162.55	601.32	-505.31	1,753.24	1,729.79	23.45	74.753	

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 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,000.00	4,823.81	4,441.42	4,353.21	20.83	16.06	162.67	623.70	-517.13	1,785.22	1,761.31	23.91	74.657	
5,100.00	4,923.77	4,537.11	4,445.42	20.97	16.58	162.73	646.31	-529.08	1,814.03	1,789.68	24.34	74.522	
5,126.23	4,950.00	4,562.35	4,469.74	21.00	16.71	-18.21	652.27	-532.24	1,821.05	1,796.60	24.45	74.482	
5,200.00	5,023.77	4,633.44	4,538.25	21.07	17.09	-18.32	669.07	-541.11	1,840.51	1,815.73	24.78	74.286	
5,300.00	5,123.77	4,729.80	4,631.10	21.17	17.61	-18.45	691.83	-553.15	1,866.90	1,841.68	25.22	74.026	
5,400.00	5,223.77	4,826.17	4,723.96	21.27	18.13	-18.58	714.60	-565.18	1,893.29	1,867.63	25.66	73.771	
5,500.00	5,323.77	4,922.53	4,816.82	21.38	18.65	-18.71	737.37	-577.21	1,919.69	1,893.58	26.11	73.522	
5,600.00	5,423.77	5,018.89	4,909.68	21.48	19.17	-18.84	760.14	-589.25	1,946.11	1,919.55	26.56	73.279	
5,700.00	5,523.77	5,115.25	5,002.54	21.59	19.69	-18.96	782.90	-601.28	1,972.53	1,945.52	27.01	73.040	
5,800.00	5,623.77	5,231.03	5,114.14	21.70	20.29	-19.10	810.14	-615.68	1,998.91	1,971.41	27.50	72.678	
5,900.00	5,723.77	5,350.85	5,227.10	21.81	21.45	-19.38	867.64	-646.07	2,019.07	1,990.67	28.40	71.102	
6,000.00	5,823.77	5,451.72	5,326.41	21.93	22.16	-19.51	894.30	-660.16	2,028.11	1,998.93	29.18	69.510	
6,100.00	5,923.77	5,549.10	5,423.77	22.04	22.37	-19.52	895.73	-660.91	2,028.59	1,998.95	29.63	68.457	
6,200.00	6,023.77	5,649.10	5,523.77	22.16	22.50	-19.52	895.73	-660.91	2,028.59	1,998.95	30.00	67.627	
6,300.00	6,123.77	5,749.10	5,623.77	22.28	22.63	-19.52	895.73	-660.91	2,028.59	1,998.22	30.36	66.812	
6,400.00	6,223.77	5,849.10	5,723.77	22.40	22.76	-19.52	895.73	-660.91	2,028.59	1,997.86	30.73	66.012	
6,500.00	6,323.77	5,949.10	5,823.77	22.52	22.89	-19.52	895.73	-660.91	2,028.59	1,997.49	31.10	65.226	
6,600.00	6,423.77	6,049.10	5,923.77	22.64	23.02	-19.52	895.73	-660.91	2,028.59	1,997.11	31.47	64.454	
6,700.00	6,523.77	6,149.10	6,023.77	22.77	23.15	-19.52	895.73	-660.91	2,028.59	1,996.74	31.85	63.697	
6,800.00	6,623.77	6,249.10	6,123.77	22.89	23.28	-19.52	895.73	-660.91	2,028.59	1,996.36	32.22	62.953	
6,900.00	6,723.77	6,349.10	6,223.77	23.02	23.42	-19.52	895.73	-660.91	2,028.59	1,995.98	32.60	62.223	
7,000.00	6,823.77	6,449.10	6,323.77	23.15	23.56	-19.52	895.73	-660.91	2,028.59	1,995.61	32.98	61.506	
7,100.00	6,923.77	6,549.10	6,423.77	23.28	23.70	-19.52	895.73	-660.91	2,028.59	1,995.22	33.36	60.803	
7,200.00	7,023.77	6,649.10	6,523.77	23.41	23.84	-19.52	895.73	-660.91	2,028.59	1,994.84	33.75	60.112	
7,300.00	7,123.77	6,749.10	6,623.77	23.55	23.98	-19.52	895.73	-660.91	2,028.59	1,994.46	34.13	59.435	
7,400.00	7,223.77	6,849.10	6,723.77	23.68	24.12	-19.52	895.73	-660.91	2,028.59	1,994.07	34.52	58.769	
7,500.00	7,323.77	6,949.10	6,823.77	23.82	24.26	-19.52	895.73	-660.91	2,028.59	1,993.68	34.91	58.116	
7,600.00	7,423.77	7,049.10	6,923.77	23.95	24.41	-19.52	895.73	-660.91	2,028.59	1,993.29	35.30	57.475	
7,656.27	7,480.04	7,605.37	7,480.04	24.03	24.49	-19.52	895.73	-660.91	2,028.59	1,993.07	35.51	57.119	
7,700.00	7,523.77	7,625.32	7,500.00	24.09	24.52	-19.52	895.73	-660.91	2,028.73	1,993.09	35.64	56.926	
7,800.00	7,623.77	7,625.32	7,500.00	24.23	24.52	-19.52	895.73	-660.91	2,032.36	1,996.53	35.83	56.727	
7,900.00	7,723.77	7,625.32	7,500.00	24.37	24.52	-19.52	895.73	-660.91	2,040.89	2,004.87	36.02	56.664	
8,000.00	7,823.77	7,625.32	7,500.00	24.52	24.52	-19.52	895.73	-660.91	2,054.26	2,018.05	36.21	56.734	
8,100.00	7,923.77	7,625.32	7,500.00	24.66	24.52	-19.52	895.73	-660.91	2,072.38	2,035.98	36.40	56.933	
8,200.00	8,023.77	7,625.32	7,500.00	24.81	24.52	-19.52	895.73	-660.91	2,095.11	2,058.52	36.59	57.255	
8,273.23	8,097.00	7,625.32	7,500.00	24.91	24.52	-19.52	895.73	-660.91	2,114.61	2,077.88	36.73	57.565	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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-MWMD												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	29.17	0.00	29.17				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	29.17	0.00	29.17	28.98	0.19	152.667	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	29.17	0.00	29.17	28.53	0.64	45.532	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	29.17	0.00	29.17	28.08	1.09	26.756	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	29.17	0.00	29.17	27.63	1.54	18.944	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	29.17	0.00	29.17	27.18	1.99	14.663	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	29.17	0.00	29.17	26.73	2.44	11.960	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	29.17	0.00	29.17	26.28	2.89	10.099	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	29.17	0.00	29.17	25.83	3.34	8.739	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	29.17	0.00	29.17	25.38	3.79	7.701	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	29.17	0.00	29.17	24.93	4.24	6.884	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	29.17	0.00	29.17	24.48	4.69	6.224	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	29.17	0.00	29.17	24.03	5.14	5.679	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	29.17	0.00	29.17	23.58	5.59	5.222	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	29.17	0.00	29.17	23.13	6.03	4.833 CC	
1,500.00	1,499.98	1,500.96	1,500.94	3.21	3.22	-177.88	27.50	0.63	29.27	22.84	6.43	4.555 ES	
1,600.00	1,599.84	1,601.89	1,601.73	3.39	3.39	-174.42	22.51	2.51	29.65	22.88	6.76	4.383	
1,700.00	1,699.45	1,702.78	1,702.22	3.57	3.58	-168.89	14.21	5.65	30.51	23.40	7.11	4.290 SF	
1,800.00	1,798.70	1,803.60	1,802.27	3.77	3.79	-161.75	2.61	10.02	32.15	24.67	7.48	4.299	
1,900.00	1,897.47	1,904.33	1,901.73	4.00	4.03	-153.74	-12.26	15.64	34.90	27.02	7.88	4.427	
2,000.00	1,995.62	2,004.95	2,000.46	4.27	4.30	-145.68	-30.37	22.47	39.01	30.65	8.36	4.667	
2,100.00	2,093.06	2,105.43	2,098.33	4.58	4.62	-138.24	-51.68	30.52	44.62	35.69	8.93	4.994	
2,200.00	2,189.64	2,205.77	2,195.18	4.94	5.00	-131.77	-76.15	39.76	51.77	42.14	9.64	5.372	
2,300.00	2,285.27	2,305.93	2,290.90	5.36	5.43	-126.36	-103.73	50.17	60.42	49.94	10.48	5.766	
2,400.00	2,379.82	2,405.90	2,385.35	5.85	5.93	-121.91	-134.36	61.73	70.50	59.04	11.46	6.150	
2,500.00	2,473.17	2,505.66	2,478.42	6.40	6.50	-118.26	-167.98	74.42	81.93	69.34	12.59	6.507	
2,558.11	2,526.82	2,563.53	2,531.81	6.76	6.87	-116.45	-188.87	82.31	89.17	75.85	13.32	6.695	
2,600.00	2,565.34	2,605.21	2,569.97	7.02	7.14	-115.20	-204.53	88.22	94.52	80.65	13.87	6.815	
2,700.00	2,657.28	2,704.27	2,660.27	7.68	7.83	-112.17	-242.65	102.61	107.36	92.09	15.27	7.032	
2,800.00	2,749.22	2,803.30	2,750.54	8.35	8.54	-109.79	-280.76	117.00	120.44	103.74	16.70	7.213	
2,900.00	2,841.16	2,902.34	2,840.80	9.04	9.27	-107.88	-318.87	131.38	133.68	115.52	18.16	7.363	
3,000.00	2,933.09	3,001.37	2,931.06	9.75	10.02	-106.31	-356.98	145.77	147.04	127.40	19.63	7.489	
3,100.00	3,025.03	3,100.40	3,021.33	10.47	10.78	-105.01	-395.09	160.16	160.49	139.36	21.13	7.596	
3,200.00	3,116.97	3,199.43	3,111.59	11.19	11.54	-103.90	-433.21	174.55	174.01	151.38	22.64	7.687	
3,300.00	3,208.91	3,298.46	3,201.85	11.92	12.32	-102.96	-471.32	188.93	187.59	163.43	24.15	7.767	
3,400.00	3,300.85	3,397.49	3,292.12	12.66	13.10	-102.14	-509.43	203.32	201.20	175.53	25.68	7.836	
3,500.00	3,392.79	3,496.52	3,382.38	13.40	13.88	-101.43	-547.54	217.71	214.86	187.65	27.21	7.896	
3,600.00	3,484.73	3,595.55	3,472.64	14.15	14.67	-100.80	-585.66	232.10	228.54	199.79	28.75	7.950	
3,700.00	3,576.67	3,694.58	3,562.91	14.90	15.47	-100.24	-623.77	246.48	242.24	211.95	30.29	7.997	
3,800.00	3,668.61	3,793.61	3,653.17	15.65	16.26	-99.75	-661.88	260.87	255.97	224.13	31.84	8.040	
3,900.00	3,760.55	3,892.64	3,743.43	16.41	17.06	-99.30	-699.99	275.26	269.71	236.33	33.39	8.079	
3,968.12	3,823.18	3,960.10	3,804.92	16.92	17.61	-99.02	-725.96	285.06	279.08	244.64	34.44	8.103	
4,000.00	3,852.56	3,991.67	3,833.70	17.13	17.86	-98.95	-738.11	289.65	283.44	248.53	34.91	8.119	
4,100.00	3,945.58	4,090.66	3,923.92	17.67	18.66	-98.30	-776.20	304.03	296.80	260.55	36.26	8.187	
4,200.00	4,039.83	4,189.50	4,014.02	18.17	19.47	-97.08	-814.24	318.39	309.80	272.25	37.56	8.249	
4,300.00	4,135.18	4,288.07	4,103.86	18.65	20.27	-95.37	-852.18	332.71	322.66	283.87	38.79	8.319	
4,400.00	4,231.53	4,386.25	4,193.35	19.09	21.07	-93.24	-889.96	346.97	335.67	295.75	39.92	8.409	
4,500.00	4,328.75	4,483.92	4,282.37	19.48	21.87	-90.74	-927.55	361.16	349.18	308.26	40.92	8.533	
4,600.00	4,426.73	4,580.96	4,370.82	19.84	22.66	-87.94	-964.90	375.26	363.58	321.81	41.77	8.705	
4,700.00	4,525.34	4,677.26	4,458.59	20.16	23.45	-84.92	-1,001.96	389.25	379.28	336.85	42.43	8.939	
4,800.00	4,624.48	4,772.69	4,545.57	20.43	24.24	-81.74	-1,038.68	403.11	396.69	353.80	42.90	9.247	
4,900.00	4,724.01	4,867.13	4,631.65	20.65	25.01	-78.48	-1,075.03	416.84	416.22	373.06	43.16	9.644	

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 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,000.00	4,823.81	4,960.48	4,716.74	20.83	25.78	-75.19	-1,110.96	430.40	438.23	395.01	43.22	10.138	
5,100.00	4,923.77	5,052.62	4,800.72	20.97	26.54	-71.95	-1,146.42	443.78	463.04	419.94	43.10	10.742	
5,126.23	4,950.00	5,076.57	4,822.55	21.00	26.73	107.94	-1,155.64	447.26	470.05	427.00	43.05	10.920	
5,200.00	5,023.77	5,143.82	4,883.84	21.07	27.29	110.57	-1,181.52	457.03	490.58	447.82	42.76	11.474	
5,300.00	5,123.77	5,234.96	4,966.92	21.17	28.04	113.83	-1,216.60	470.27	519.95	477.60	42.35	12.278	
5,400.00	5,223.77	5,326.11	5,050.00	21.27	28.79	116.76	-1,251.67	483.52	550.83	508.88	41.95	13.131	
5,500.00	5,323.77	5,417.26	5,133.08	21.38	29.54	119.40	-1,286.75	496.76	582.97	541.40	41.57	14.023	
5,600.00	5,423.77	5,508.40	5,216.16	21.48	30.29	121.78	-1,321.83	510.00	616.19	574.95	41.23	14.943	
5,700.00	5,523.77	5,599.55	5,299.23	21.59	31.04	123.92	-1,356.91	523.24	650.31	609.37	40.94	15.885	
5,800.00	5,623.77	5,690.70	5,382.31	21.70	31.79	125.86	-1,391.99	536.49	685.20	644.46	40.74	16.819	
5,900.00	5,723.77	5,781.85	5,465.39	21.81	32.55	127.62	-1,427.07	549.73	720.76	680.16	40.59	17.755	
6,000.00	5,823.77	5,872.99	5,548.47	21.93	33.30	129.23	-1,462.14	562.97	756.87	716.38	40.49	18.692	
6,100.00	5,923.77	5,967.76	5,634.86	22.04	34.07	130.74	-1,498.59	576.73	793.45	753.03	40.42	19.630	
6,200.00	6,023.77	6,091.50	5,748.96	22.16	34.82	132.42	-1,543.37	593.63	828.28	787.99	40.29	20.558	
6,300.00	6,123.77	6,219.60	5,869.13	22.28	35.50	133.82	-1,584.83	609.28	859.70	819.46	40.25	21.360	
6,400.00	6,223.77	6,351.76	5,995.07	22.40	36.13	134.97	-1,622.30	623.43	887.42	847.13	40.29	22.023	
6,500.00	6,323.77	6,487.58	6,126.27	22.52	36.70	135.90	-1,655.10	635.81	911.16	870.75	40.42	22.544	
6,600.00	6,423.77	6,626.59	6,262.12	22.64	37.19	136.63	-1,682.60	646.19	930.70	890.11	40.60	22.925	
6,700.00	6,523.77	6,768.23	6,401.84	22.77	37.60	137.18	-1,704.25	654.37	945.85	905.02	40.83	23.168	
6,800.00	6,623.77	6,911.85	6,544.52	22.89	37.93	137.55	-1,719.59	660.15	956.44	915.35	41.09	23.274	
6,900.00	6,723.77	7,056.78	6,689.13	23.02	38.15	137.75	-1,728.26	663.43	962.39	921.00	41.39	23.252	
7,000.00	6,823.77	7,191.45	6,823.77	23.15	38.28	137.80	-1,730.27	664.19	963.76	922.05	41.71	23.107	
7,100.00	6,923.77	7,291.45	6,923.77	23.28	38.36	137.80	-1,730.27	664.19	963.76	921.78	41.99	22.954	
7,200.00	7,023.77	7,391.45	7,023.77	23.41	38.43	137.80	-1,730.27	664.19	963.76	921.50	42.27	22.802	
7,300.00	7,123.77	7,491.45	7,123.77	23.55	38.50	137.80	-1,730.27	664.19	963.76	921.21	42.55	22.650	
7,400.00	7,223.77	7,591.45	7,223.77	23.68	38.58	137.80	-1,730.27	664.19	963.76	920.93	42.84	22.499	
7,500.00	7,323.77	7,691.45	7,323.77	23.82	38.66	137.80	-1,730.27	664.19	963.76	920.64	43.12	22.349	
7,600.00	7,423.77	7,791.45	7,423.77	23.95	38.73	137.80	-1,730.27	664.19	963.76	920.35	43.42	22.199	
7,700.00	7,523.77	7,891.45	7,523.77	24.09	38.81	137.80	-1,730.27	664.19	963.76	920.05	43.71	22.050	
7,800.00	7,623.77	7,991.45	7,623.77	24.23	38.89	137.80	-1,730.27	664.19	963.76	919.76	44.01	21.901	
7,900.00	7,723.77	8,091.45	7,723.77	24.37	38.97	137.80	-1,730.27	664.19	963.76	919.46	44.30	21.753	
8,000.00	7,823.77	8,191.45	7,823.77	24.52	39.05	137.80	-1,730.27	664.19	963.76	919.16	44.61	21.606	
8,100.00	7,923.77	8,291.45	7,923.77	24.66	39.14	137.80	-1,730.27	664.19	963.76	918.85	44.91	21.460	
8,200.00	8,023.77	8,391.45	8,023.77	24.81	39.22	137.80	-1,730.27	664.19	963.76	918.55	45.22	21.315	
8,273.23	8,097.00	8,464.68	8,097.00	24.91	39.29	137.80	-1,730.27	664.19	963.76	918.32	45.44	21.209	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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	14.59	0.00	14.59				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	14.59	0.00	14.59	14.40	0.19	76.356	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	14.59	0.00	14.59	13.95	0.64	22.773	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	14.59	0.00	14.59	13.50	1.09	13.382	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	14.59	0.00	14.59	13.05	1.54	9.475	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	14.59	0.00	14.59	12.60	1.99	7.334	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	14.59	0.00	14.59	12.15	2.44	5.982	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	14.59	0.00	14.59	11.70	2.89	5.051	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	14.59	0.00	14.59	11.25	3.34	4.371	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	14.59	0.00	14.59	10.80	3.79	3.852	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	14.59	0.00	14.59	10.35	4.24	3.443	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	14.59	0.00	14.59	9.90	4.69	3.113	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	14.59	0.00	14.59	9.45	5.14	2.840	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	14.59	0.00	14.59	9.00	5.59	2.612	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	14.59	0.00	14.59	8.55	6.03	2.417 CC	
1,500.00	1,499.98	1,500.48	1,500.45	3.21	3.22	178.45	12.94	-0.61	14.70	8.28	6.43	2.288 ES	
1,600.00	1,599.84	1,600.93	1,600.76	3.39	3.39	171.25	7.98	-2.45	15.21	8.44	6.76	2.249 SF	
1,700.00	1,699.45	1,701.32	1,700.77	3.57	3.58	160.55	-0.26	-5.50	16.52	9.41	7.11	2.324	
1,800.00	1,798.70	1,801.65	1,800.33	3.77	3.78	148.65	-11.77	-9.76	19.15	11.66	7.49	2.557	
1,900.00	1,897.47	1,901.87	1,899.30	4.00	4.01	137.85	-26.53	-15.23	23.37	15.45	7.92	2.950	
2,000.00	1,995.62	2,001.96	1,997.54	4.27	4.28	129.23	-44.50	-21.88	29.26	20.83	8.44	3.468	
2,100.00	2,093.06	2,101.91	2,094.91	4.58	4.60	122.75	-65.65	-29.72	36.74	27.69	9.05	4.059	
2,200.00	2,189.64	2,201.69	2,191.27	4.94	4.96	117.94	-89.92	-38.71	45.71	35.93	9.78	4.674	
2,300.00	2,285.27	2,301.28	2,286.48	5.36	5.39	114.36	-117.27	-48.83	56.07	45.45	10.62	5.278	
2,400.00	2,379.82	2,400.65	2,380.43	5.85	5.87	111.62	-147.64	-60.08	67.77	56.17	11.60	5.844	
2,500.00	2,473.17	2,499.80	2,472.98	6.40	6.42	109.49	-180.96	-72.42	80.74	68.04	12.70	6.358	
2,558.11	2,526.82	2,557.30	2,526.08	6.76	6.78	108.46	-201.66	-80.09	88.86	75.45	13.41	6.626	
2,600.00	2,565.34	2,598.71	2,564.03	7.02	7.04	107.74	-217.18	-85.84	94.87	80.93	13.94	6.805	
2,700.00	2,657.28	2,697.57	2,654.17	7.68	7.71	105.69	-255.27	-99.94	109.35	94.06	15.29	7.153	
2,800.00	2,749.22	2,796.45	2,744.30	8.35	8.40	104.10	-293.40	-114.07	123.93	107.26	16.67	7.434	
2,900.00	2,841.16	2,895.33	2,834.43	9.04	9.11	102.85	-331.53	-128.19	138.59	120.51	18.08	7.664	
3,000.00	2,933.09	2,994.21	2,924.56	9.75	9.84	101.83	-369.66	-142.31	153.30	133.78	19.52	7.854	
3,100.00	3,025.03	3,093.09	3,014.69	10.47	10.58	101.00	-407.79	-156.43	168.05	147.08	20.97	8.012	
3,200.00	3,116.97	3,191.96	3,104.82	11.19	11.32	100.30	-445.92	-170.56	182.83	160.39	22.44	8.146	
3,300.00	3,208.91	3,290.84	3,194.95	11.92	12.08	99.70	-484.05	-184.68	197.64	173.71	23.93	8.261	
3,400.00	3,300.85	3,389.72	3,285.08	12.66	12.84	99.19	-522.18	-198.80	212.46	187.04	25.42	8.359	
3,500.00	3,392.79	3,488.60	3,375.22	13.40	13.60	98.74	-560.32	-212.92	227.29	200.37	26.92	8.444	
3,600.00	3,484.73	3,587.48	3,465.35	14.15	14.37	98.35	-598.45	-227.05	242.14	213.72	28.42	8.519	
3,700.00	3,576.67	3,686.36	3,555.48	14.90	15.14	98.00	-636.58	-241.17	257.00	227.06	29.94	8.585	
3,800.00	3,668.61	3,785.24	3,645.61	15.65	15.92	97.70	-674.71	-255.29	271.86	240.41	31.45	8.643	
3,900.00	3,760.55	3,884.12	3,735.74	16.41	16.70	97.42	-712.84	-269.41	286.73	253.76	32.98	8.695	
3,968.12	3,823.18	3,951.47	3,797.14	16.92	17.23	97.25	-738.82	-279.03	296.87	262.85	34.01	8.728	
4,000.00	3,852.56	3,983.00	3,825.87	17.13	17.48	97.23	-750.97	-283.54	301.59	267.12	34.47	8.749	
4,100.00	3,945.58	4,081.85	3,915.98	17.67	18.26	96.78	-789.09	-297.65	316.14	280.36	35.78	8.836	
4,200.00	4,039.83	4,180.56	4,005.96	18.17	19.05	95.79	-827.16	-311.75	330.39	293.35	37.04	8.921	
4,300.00	4,135.18	4,279.02	4,095.70	18.65	19.83	94.32	-865.13	-325.81	344.52	306.30	38.22	9.015	
4,400.00	4,231.53	4,377.10	4,185.11	19.09	20.61	92.45	-902.95	-339.82	358.81	319.50	39.30	9.129	
4,500.00	4,328.75	4,474.68	4,274.06	19.48	21.39	90.23	-940.58	-353.76	373.55	333.28	40.27	9.276	
4,600.00	4,426.73	4,571.65	4,362.44	19.84	22.16	87.73	-977.98	-367.61	389.10	348.01	41.09	9.470	
4,700.00	4,525.34	4,667.88	4,450.16	20.16	22.93	85.01	-1,015.09	-381.35	405.83	364.09	41.75	9.721	
4,800.00	4,624.48	4,763.26	4,537.10	20.43	23.70	82.14	-1,051.87	-394.98	424.13	381.90	42.23	10.044	
4,900.00	4,724.01	4,857.68	4,623.17	20.65	24.45	79.17	-1,088.28	-408.46	444.35	401.83	42.53	10.449	

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 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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	4,823.81	4,951.01	4,708.24	20.83	25.20	76.16	-1,124.27	-421.79	466.86	424.21	42.65	10.947	
5,100.00	4,923.77	5,043.14	4,792.23	20.97	25.94	73.17	-1,159.80	-434.95	491.96	449.36	42.60	11.548	
5,126.23	4,950.00	5,067.10	4,814.06	21.00	26.14	-108.55	-1,169.04	-438.37	499.00	456.44	42.56	11.724	
5,200.00	5,023.77	5,134.34	4,875.36	21.07	26.68	-111.03	-1,194.97	-447.98	519.60	477.26	42.34	12.273	
5,300.00	5,123.77	5,225.49	4,958.44	21.17	27.41	-114.11	-1,230.12	-461.00	548.96	506.94	42.02	13.066	
5,400.00	5,223.77	5,316.65	5,041.53	21.27	28.14	-116.90	-1,265.28	-474.01	579.75	538.06	41.70	13.904	
5,500.00	5,323.77	5,407.80	5,124.62	21.38	28.88	-119.42	-1,300.43	-487.03	611.76	570.37	41.40	14.779	
5,600.00	5,423.77	5,498.95	5,207.71	21.48	29.61	-121.70	-1,335.58	-500.05	644.81	603.68	41.12	15.680	
5,700.00	5,523.77	5,590.11	5,290.80	21.59	30.34	-123.78	-1,370.73	-513.07	678.73	637.84	40.89	16.597	
5,800.00	5,623.77	5,681.26	5,373.89	21.70	31.08	-125.66	-1,405.88	-526.09	713.42	672.67	40.75	17.507	
5,900.00	5,723.77	5,772.41	5,456.98	21.81	31.81	-127.38	-1,441.03	-539.11	748.75	708.11	40.65	18.421	
6,000.00	5,823.77	5,863.56	5,540.06	21.93	32.55	-128.95	-1,476.19	-552.13	784.65	744.08	40.58	19.336	
6,100.00	5,923.77	5,955.19	5,623.58	22.04	33.29	-130.39	-1,511.52	-565.21	821.05	780.50	40.55	20.249	
6,200.00	6,023.77	6,079.93	5,738.40	22.16	34.03	-132.09	-1,557.22	-582.14	856.02	815.58	40.44	21.167	
6,300.00	6,123.77	6,209.16	5,859.46	22.28	34.70	-133.50	-1,599.57	-597.83	887.61	847.19	40.42	21.962	
6,400.00	6,223.77	6,342.56	5,986.45	22.40	35.31	-134.67	-1,637.88	-612.01	915.48	875.01	40.48	22.618	
6,500.00	6,323.77	6,479.75	6,118.88	22.52	35.88	-135.61	-1,671.45	-624.45	939.37	898.76	40.61	23.132	
6,600.00	6,423.77	6,620.23	6,256.09	22.64	36.37	-136.36	-1,699.62	-634.88	959.03	918.23	40.80	23.506	
6,700.00	6,523.77	6,763.43	6,397.30	22.77	36.78	-136.91	-1,721.81	-643.10	974.28	933.24	41.04	23.742	
6,800.00	6,623.77	6,908.68	6,541.57	22.89	37.11	-137.29	-1,737.53	-648.92	984.95	943.64	41.31	23.843	
6,900.00	6,723.77	7,055.28	6,687.84	23.02	37.34	-137.50	-1,746.42	-652.21	990.94	949.33	41.61	23.814	
7,000.00	6,823.77	7,191.24	6,823.77	23.15	37.48	-137.55	-1,748.48	-652.98	992.33	950.39	41.93	23.665	
7,100.00	6,923.77	7,291.24	6,923.77	23.28	37.55	-137.55	-1,748.48	-652.98	992.33	950.12	42.21	23.510	
7,200.00	7,023.77	7,391.24	7,023.77	23.41	37.62	-137.55	-1,748.48	-652.98	992.33	949.84	42.49	23.355	
7,300.00	7,123.77	7,491.24	7,123.77	23.55	37.70	-137.55	-1,748.48	-652.98	992.33	949.56	42.77	23.201	
7,400.00	7,223.77	7,591.24	7,223.77	23.68	37.77	-137.55	-1,748.48	-652.98	992.33	949.27	43.06	23.048	
7,500.00	7,323.77	7,691.24	7,323.77	23.82	37.85	-137.55	-1,748.48	-652.98	992.33	948.98	43.34	22.895	
7,600.00	7,423.77	7,791.24	7,423.77	23.95	37.93	-137.55	-1,748.48	-652.98	992.33	948.69	43.63	22.742	
7,700.00	7,523.77	7,891.24	7,523.77	24.09	38.01	-137.55	-1,748.48	-652.98	992.33	948.40	43.93	22.591	
7,800.00	7,623.77	7,991.24	7,623.77	24.23	38.09	-137.55	-1,748.48	-652.98	992.33	948.10	44.22	22.440	
7,900.00	7,723.77	8,091.24	7,723.77	24.37	38.17	-137.55	-1,748.48	-652.98	992.33	947.81	44.52	22.289	
8,000.00	7,823.77	8,191.24	7,823.77	24.52	38.25	-137.55	-1,748.48	-652.98	992.33	947.50	44.82	22.140	
8,100.00	7,923.77	8,291.24	7,923.77	24.66	38.34	-137.55	-1,748.48	-652.98	992.33	947.20	45.12	21.991	
8,200.00	8,023.77	8,391.24	8,023.77	24.81	38.42	-137.55	-1,748.48	-652.98	992.33	946.90	45.43	21.843	
8,273.23	8,097.00	8,464.46	8,097.00	24.91	38.48	-137.55	-1,748.48	-652.98	992.33	946.67	45.65	21.736	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.29	0.00	58.29					
100.00	100.00	100.00	100.00	0.10	0.10	0.00	58.29	0.00	58.29	58.10	0.19	305.113		
200.00	200.00	200.00	200.00	0.32	0.32	0.00	58.29	0.00	58.29	57.65	0.64	90.999		
300.00	300.00	300.00	300.00	0.55	0.55	0.00	58.29	0.00	58.29	57.20	1.09	53.474		
400.00	400.00	400.00	400.00	0.77	0.77	0.00	58.29	0.00	58.29	56.75	1.54	37.861		
500.00	500.00	500.00	500.00	0.99	0.99	0.00	58.29	0.00	58.29	56.30	1.99	29.305		
600.00	600.00	600.00	600.00	1.22	1.22	0.00	58.29	0.00	58.29	55.85	2.44	23.903		
700.00	700.00	700.00	700.00	1.44	1.44	0.00	58.29	0.00	58.29	55.40	2.89	20.183		
800.00	800.00	800.00	800.00	1.67	1.67	0.00	58.29	0.00	58.29	54.95	3.34	17.464		
900.00	900.00	900.00	900.00	1.89	1.89	0.00	58.29	0.00	58.29	54.50	3.79	15.391		
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	58.29	0.00	58.29	54.06	4.24	13.758		
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	58.29	0.00	58.29	53.61	4.69	12.439		
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	58.29	0.00	58.29	53.16	5.14	11.350		
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	58.29	0.00	58.29	52.71	5.59	10.436		
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	58.29	0.00	58.29	52.26	6.03	9.659 CC, ES		
1,500.00	1,499.98	1,499.62	1,499.60	3.21	3.23	-177.45	58.56	1.71	60.33	53.89	6.44	9.367 SF		
1,600.00	1,599.84	1,598.84	1,598.68	3.39	3.44	-173.26	59.34	6.82	66.67	59.86	6.81	9.794		
1,700.00	1,699.45	1,697.24	1,696.70	3.57	3.65	-167.85	60.64	15.23	77.83	70.65	7.18	10.840		
1,800.00	1,798.70	1,794.44	1,793.19	3.77	3.88	-162.49	62.42	26.80	94.22	86.65	7.56	12.457		
1,900.00	1,897.47	1,890.07	1,887.69	4.00	4.13	-157.85	64.66	41.33	115.96	107.99	7.96	14.563		
2,000.00	1,995.62	1,983.81	1,979.78	4.27	4.40	-154.08	67.31	58.59	142.97	134.58	8.38	17.054		
2,100.00	2,093.06	2,075.35	2,069.11	4.58	4.70	-151.07	70.35	78.31	175.07	166.23	8.83	19.824		
2,200.00	2,189.64	2,164.42	2,155.38	4.94	5.03	-148.66	73.72	100.20	212.03	202.72	9.31	22.773		
2,300.00	2,285.27	2,250.80	2,238.35	5.36	5.39	-146.68	77.38	123.95	253.64	243.81	9.83	25.811		
2,400.00	2,379.82	2,334.28	2,317.81	5.85	5.79	-145.02	81.27	149.24	299.66	289.28	10.38	28.866		
2,500.00	2,473.17	2,414.73	2,393.64	6.40	6.21	-143.57	85.36	175.77	349.88	338.90	10.98	31.876		
2,558.11	2,526.82	2,460.03	2,436.01	6.76	6.47	-142.80	87.80	191.63	380.89	369.55	11.35	33.572		
2,600.00	2,565.34	2,492.14	2,465.87	7.02	6.66	-142.58	89.59	203.27	403.86	392.21	11.65	34.667		
2,700.00	2,657.28	2,567.42	2,535.37	7.68	7.15	-141.98	93.99	231.86	459.74	447.32	12.42	37.030		
2,800.00	2,749.22	2,640.76	2,602.33	8.35	7.65	-141.33	98.55	261.44	517.09	503.89	13.21	39.150		
2,900.00	2,841.16	2,720.99	2,675.08	9.04	8.25	-140.63	103.70	294.89	575.34	561.26	14.07	40.883		
3,000.00	2,933.09	2,802.09	2,748.60	9.75	8.86	-140.06	108.91	328.71	633.63	618.67	14.96	42.352		
3,100.00	3,025.03	2,883.19	2,822.13	10.47	9.50	-139.58	114.11	362.53	691.96	676.09	15.87	43.601		
3,200.00	3,116.97	2,964.29	2,895.66	11.19	10.14	-139.18	119.32	396.35	750.32	733.53	16.79	44.677		
3,300.00	3,208.91	3,045.39	2,969.19	11.92	10.79	-138.83	124.53	430.17	808.70	790.97	17.73	45.609		
3,400.00	3,300.85	3,126.50	3,042.71	12.66	11.45	-138.53	129.74	463.99	867.10	848.42	18.68	46.421		
3,500.00	3,392.79	3,207.60	3,116.24	13.40	12.12	-138.27	134.94	497.81	925.51	905.87	19.64	47.132		
3,600.00	3,484.73	3,288.70	3,189.77	14.15	12.80	-138.04	140.15	531.63	983.93	963.32	20.60	47.758		
3,700.00	3,576.67	3,369.80	3,263.30	14.90	13.47	-137.84	145.36	565.45	1,042.36	1,020.78	21.58	48.311		
3,800.00	3,668.61	3,450.90	3,336.83	15.65	14.16	-137.66	150.57	599.27	1,100.80	1,078.24	22.56	48.804		
3,900.00	3,760.55	3,532.00	3,410.35	16.41	14.84	-137.49	155.77	633.10	1,159.24	1,135.70	23.54	49.245		
3,968.12	3,823.18	3,587.24	3,460.44	16.92	15.31	-137.39	159.32	656.13	1,199.05	1,174.84	24.21	49.519		
4,000.00	3,852.56	3,613.17	3,483.95	17.13	15.53	-137.64	160.99	666.95	1,217.58	1,193.02	24.56	49.576		
4,100.00	3,945.58	3,695.40	3,558.50	17.67	16.23	-138.32	166.27	701.24	1,274.31	1,248.72	25.59	49.802		
4,200.00	4,039.83	3,778.93	3,634.23	18.17	16.94	-138.85	171.63	736.07	1,328.90	1,302.28	26.62	49.930		
4,300.00	4,135.18	3,863.66	3,711.05	18.65	17.67	-139.23	177.07	771.41	1,381.31	1,353.68	27.63	49.988		
4,400.00	4,231.53	3,949.48	3,788.85	19.09	18.41	-139.49	182.58	807.19	1,431.52	1,402.89	28.63	49.995		
4,500.00	4,328.75	4,036.28	3,867.55	19.48	19.16	-139.63	188.15	843.39	1,479.51	1,449.90	29.61	49.968		
4,600.00	4,426.73	4,123.96	3,947.05	19.84	19.91	-139.68	193.78	879.96	1,525.28	1,494.73	30.56	49.918		
4,700.00	4,525.34	4,212.42	4,027.25	20.16	20.68	-139.63	199.46	916.85	1,568.84	1,537.37	31.47	49.858		
4,800.00	4,624.48	4,301.55	4,108.05	20.43	21.45	-139.50	205.19	954.02	1,610.18	1,577.84	32.33	49.797		
4,900.00	4,724.01	4,391.24	4,189.36	20.65	22.23	-139.29	210.95	991.42	1,649.33	1,616.17	33.16	49.742		

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 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,000.00	4,823.81	4,512.81	4,299.92	20.83	23.20	-138.73	218.64	1,041.37	1,685.97	1,651.92	34.05	49.510	
5,100.00	4,923.77	4,685.57	4,460.24	20.97	24.28	-137.79	228.42	1,104.92	1,716.94	1,681.99	34.95	49.122	
5,126.23	4,950.00	4,732.31	4,504.26	21.00	24.55	41.51	230.82	1,120.47	1,723.96	1,688.79	35.17	49.021	
5,200.00	5,023.77	4,866.66	4,632.13	21.07	25.25	42.40	237.08	1,161.16	1,741.80	1,706.08	35.72	48.765	
5,300.00	5,123.77	5,054.80	4,814.15	21.17	26.09	43.38	244.31	1,208.10	1,761.86	1,725.47	36.39	48.413	
5,400.00	5,223.77	5,248.70	5,004.57	21.27	26.75	44.11	249.84	1,244.01	1,776.84	1,739.86	36.98	48.050	
5,500.00	5,323.77	5,446.77	5,201.17	21.38	27.24	44.57	253.45	1,267.47	1,786.46	1,748.98	37.48	47.668	
5,600.00	5,423.77	5,647.21	5,401.32	21.48	27.54	44.76	254.99	1,277.48	1,790.52	1,752.63	37.89	47.261	
5,700.00	5,523.77	5,769.67	5,523.77	21.59	27.66	44.77	255.05	1,277.82	1,790.66	1,752.50	38.17	46.919	
5,800.00	5,623.77	5,869.67	5,623.77	21.70	27.75	44.77	255.05	1,277.82	1,790.66	1,752.24	38.42	46.605	
5,900.00	5,723.77	5,969.67	5,723.77	21.81	27.85	44.77	255.05	1,277.82	1,790.66	1,751.98	38.68	46.290	
6,000.00	5,823.77	6,069.67	5,823.77	21.93	27.94	44.77	255.05	1,277.82	1,790.66	1,751.71	38.95	45.976	
6,100.00	5,923.77	6,169.67	5,923.77	22.04	28.04	44.77	255.05	1,277.82	1,790.66	1,751.45	39.22	45.663	
6,200.00	6,023.77	6,269.67	6,023.77	22.16	28.15	44.77	255.05	1,277.82	1,790.66	1,751.17	39.49	45.349	
6,300.00	6,123.77	6,369.67	6,123.77	22.28	28.25	44.77	255.05	1,277.82	1,790.66	1,750.90	39.76	45.036	
6,400.00	6,223.77	6,469.67	6,223.77	22.40	28.35	44.77	255.05	1,277.82	1,790.66	1,750.62	40.04	44.724	
6,500.00	6,323.77	6,569.67	6,323.77	22.52	28.46	44.77	255.05	1,277.82	1,790.66	1,750.34	40.32	44.413	
6,600.00	6,423.77	6,669.67	6,423.77	22.64	28.56	44.77	255.05	1,277.82	1,790.66	1,750.06	40.60	44.103	
6,700.00	6,523.77	6,769.67	6,523.77	22.77	28.67	44.77	255.05	1,277.82	1,790.66	1,749.77	40.89	43.794	
6,800.00	6,623.77	6,869.67	6,623.77	22.89	28.78	44.77	255.05	1,277.82	1,790.66	1,749.48	41.18	43.486	
6,900.00	6,723.77	6,969.67	6,723.77	23.02	28.89	44.77	255.05	1,277.82	1,790.66	1,749.19	41.47	43.180	
7,000.00	6,823.77	7,069.67	6,823.77	23.15	29.00	44.77	255.05	1,277.82	1,790.66	1,748.90	41.76	42.875	
7,100.00	6,923.77	7,169.67	6,923.77	23.28	29.12	44.77	255.05	1,277.82	1,790.66	1,748.60	42.06	42.571	
7,200.00	7,023.77	7,269.67	7,023.77	23.41	29.23	44.77	255.05	1,277.82	1,790.66	1,748.30	42.36	42.270	
7,300.00	7,123.77	7,369.67	7,123.77	23.55	29.35	44.77	255.05	1,277.82	1,790.66	1,747.99	42.67	41.969	
7,400.00	7,223.77	7,469.67	7,223.77	23.68	29.46	44.77	255.05	1,277.82	1,790.66	1,747.69	42.97	41.671	
7,500.00	7,323.77	7,569.67	7,323.77	23.82	29.58	44.77	255.05	1,277.82	1,790.66	1,747.38	43.28	41.374	
7,600.00	7,423.77	7,669.67	7,423.77	23.95	29.70	44.77	255.05	1,277.82	1,790.66	1,747.07	43.59	41.079	
7,700.00	7,523.77	7,769.67	7,523.77	24.09	29.82	44.77	255.05	1,277.82	1,790.66	1,746.76	43.90	40.786	
7,800.00	7,623.77	7,869.67	7,623.77	24.23	29.94	44.77	255.05	1,277.82	1,790.66	1,746.44	44.22	40.496	
7,900.00	7,723.77	7,969.67	7,723.77	24.37	30.07	44.77	255.05	1,277.82	1,790.66	1,746.12	44.54	40.207	
8,000.00	7,823.77	8,069.67	7,823.77	24.52	30.19	44.77	255.05	1,277.82	1,790.66	1,745.80	44.86	39.920	
8,100.00	7,923.77	8,169.67	7,923.77	24.66	30.32	44.77	255.05	1,277.82	1,790.66	1,745.48	45.18	39.635	
8,200.00	8,023.77	8,269.67	8,023.77	24.81	30.44	44.77	255.05	1,277.82	1,790.66	1,745.16	45.50	39.353	
8,247.41	8,071.18	8,317.07	8,071.18	24.88	30.50	44.77	255.05	1,277.82	1,790.66	1,745.00	45.66	39.220	
8,273.23	8,097.00	8,338.89	8,093.00	24.91	30.53	44.77	255.05	1,277.82	1,790.66	1,744.93	45.73	39.153	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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	72.87	0.00	72.87				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	72.87	0.00	72.87	72.68	0.19	381.425	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	72.87	0.00	72.87	72.23	0.64	113.758	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	72.87	0.00	72.87	71.78	1.09	66.848	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	72.87	0.00	72.87	71.33	1.54	47.330	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	72.87	0.00	72.87	70.88	1.99	36.634	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	72.87	0.00	72.87	70.43	2.44	29.881	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	72.87	0.00	72.87	69.98	2.89	25.230	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	72.87	0.00	72.87	69.53	3.34	21.832	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	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	0.00	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	0.00	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	0.00	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	0.00	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	0.00	72.87	0.00	72.87	66.84	6.03	12.075 CC, ES	
1,500.00	1,499.98	1,497.94	1,497.92	3.21	3.23	-178.29	74.19	1.04	75.97	69.52	6.44	11.787 SF	
1,600.00	1,599.84	1,595.26	1,595.11	3.39	3.45	-176.33	78.09	4.12	85.30	78.48	6.82	12.507	
1,700.00	1,699.45	1,691.37	1,690.86	3.57	3.67	-173.88	84.49	9.17	100.94	93.75	7.19	14.037	
1,800.00	1,798.70	1,785.68	1,784.52	3.77	3.89	-171.49	93.22	16.06	122.92	115.36	7.56	16.261	
1,900.00	1,897.47	1,877.69	1,875.48	4.00	4.12	-169.43	104.06	24.62	151.11	143.18	7.92	19.074	
2,000.00	1,995.62	1,966.91	1,963.22	4.27	4.38	-167.73	116.75	34.64	185.33	177.04	8.28	22.379	
2,100.00	2,093.06	2,052.95	2,047.31	4.58	4.64	-166.35	131.02	45.91	225.33	216.70	8.64	26.091	
2,200.00	2,189.64	2,135.47	2,127.42	4.94	4.93	-165.21	146.56	58.18	270.86	261.87	8.99	30.134	
2,300.00	2,285.27	2,214.18	2,203.27	5.36	5.23	-164.25	163.07	71.21	321.62	312.28	9.34	34.441	
2,400.00	2,379.82	2,288.90	2,274.71	5.85	5.55	-163.41	180.25	84.77	377.31	367.62	9.69	38.945	
2,500.00	2,473.17	2,359.47	2,341.63	6.40	5.88	-162.64	197.81	98.63	437.61	427.57	10.04	43.583	
2,558.11	2,526.82	2,399.33	2,379.19	6.76	6.08	-162.22	208.29	106.91	474.65	464.41	10.25	46.325	
2,600.00	2,565.34	2,431.22	2,409.18	7.02	6.25	-162.13	216.79	113.62	501.82	491.36	10.46	47.984	
2,700.00	2,657.28	2,507.33	2,480.76	7.68	6.65	-161.96	237.10	129.65	566.66	555.69	10.97	51.658	
2,800.00	2,749.22	2,583.45	2,552.35	8.35	7.08	-161.83	257.40	145.68	631.51	620.01	11.50	54.920	
2,900.00	2,841.16	2,659.56	2,623.93	9.04	7.51	-161.72	277.70	161.71	696.36	684.32	12.04	57.832	
3,000.00	2,933.09	2,735.68	2,695.52	9.75	7.95	-161.63	298.00	177.73	761.21	748.62	12.59	60.441	
3,100.00	3,025.03	2,811.79	2,767.10	10.47	8.40	-161.55	318.30	193.76	826.07	812.91	13.16	62.786	
3,200.00	3,116.97	2,887.91	2,838.69	11.19	8.86	-161.48	338.61	209.79	890.92	877.19	13.73	64.893	
3,300.00	3,208.91	2,964.02	2,910.27	11.92	9.33	-161.43	358.91	225.82	955.77	941.46	14.31	66.795	
3,400.00	3,300.85	3,040.14	2,981.86	12.66	9.80	-161.38	379.21	241.85	1,020.63	1,005.73	14.90	68.519	
3,500.00	3,392.79	3,116.25	3,053.45	13.40	10.27	-161.33	399.51	257.87	1,085.48	1,069.99	15.49	70.088	
3,600.00	3,484.73	3,192.37	3,125.03	14.15	10.75	-161.29	419.81	273.90	1,150.34	1,134.25	16.08	71.518	
3,700.00	3,576.67	3,268.48	3,196.62	14.90	11.24	-161.26	440.11	289.93	1,215.19	1,198.50	16.69	72.822	
3,800.00	3,668.61	3,344.60	3,268.20	15.65	11.72	-161.23	460.42	305.96	1,280.05	1,262.75	17.29	74.019	
3,900.00	3,760.55	3,420.71	3,339.79	16.41	12.21	-161.20	480.72	321.99	1,344.90	1,327.00	17.90	75.120	
3,968.12	3,823.18	3,472.56	3,388.55	16.92	12.54	-161.18	494.55	332.90	1,389.08	1,370.76	18.32	75.819	
4,000.00	3,852.56	3,496.94	3,411.47	17.13	12.70	-161.34	501.05	338.04	1,409.63	1,391.07	18.56	75.932	
4,100.00	3,945.58	3,574.77	3,484.67	17.67	13.20	-161.79	521.81	354.42	1,472.40	1,453.09	19.30	76.270	
4,200.00	4,039.83	3,654.61	3,559.76	18.17	13.72	-162.14	543.10	371.24	1,532.55	1,512.52	20.04	76.480	
4,300.00	4,135.18	3,736.36	3,636.65	18.65	14.25	-162.41	564.91	388.45	1,590.03	1,569.27	20.76	76.587	
4,400.00	4,231.53	3,819.93	3,715.24	19.09	14.80	-162.61	587.20	406.05	1,644.76	1,623.29	21.47	76.615	
4,500.00	4,328.75	3,905.21	3,795.45	19.48	15.36	-162.76	609.95	424.01	1,696.69	1,674.53	22.16	76.579	
4,600.00	4,426.73	3,992.10	3,877.17	19.84	15.93	-162.85	633.12	442.30	1,745.76	1,722.94	22.82	76.494	
4,700.00	4,525.34	4,080.49	3,960.30	20.16	16.51	-162.89	656.70	460.92	1,791.93	1,768.46	23.46	76.370	
4,800.00	4,624.48	4,170.28	4,044.74	20.43	17.10	-162.88	680.65	479.82	1,835.15	1,811.07	24.08	76.218	
4,900.00	4,724.01	4,261.35	4,130.40	20.65	17.71	-162.82	704.94	499.00	1,875.37	1,850.71	24.66	76.044	

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 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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	4,823.81	4,353.60	4,217.16	20.83	18.32	-162.73	729.54	518.43	1,912.58	1,887.37	25.21	75.856	
5,100.00	4,923.77	4,446.91	4,304.91	20.97	18.94	-162.59	754.43	538.07	1,946.73	1,921.00	25.73	75.657	
5,126.23	4,950.00	4,471.55	4,328.08	21.00	19.10	16.50	761.00	543.26	1,955.18	1,929.32	25.86	75.605	
5,200.00	5,023.77	4,609.01	4,458.00	21.07	19.91	17.00	796.24	571.08	1,978.03	1,951.60	26.43	74.837	
5,300.00	5,123.77	4,886.59	4,726.03	21.17	21.09	17.76	852.56	615.54	2,002.32	1,975.01	27.31	73.305	
5,400.00	5,223.77	5,176.27	5,011.77	21.27	21.97	18.23	889.34	644.58	2,017.55	1,989.45	28.10	71.789	
5,500.00	5,323.77	5,472.67	5,307.50	21.38	22.49	18.41	903.35	655.64	2,023.22	1,994.46	28.76	70.340	
5,600.00	5,423.77	5,588.94	5,423.77	21.48	22.62	18.41	903.43	655.71	2,023.25	1,994.14	29.12	69.489	
5,700.00	5,523.77	5,688.94	5,523.77	21.59	22.73	18.41	903.43	655.71	2,023.25	1,993.80	29.45	68.701	
5,800.00	5,623.77	5,788.94	5,623.77	21.70	22.85	18.41	903.43	655.71	2,023.25	1,993.47	29.79	67.924	
5,900.00	5,723.77	5,888.94	5,723.77	21.81	22.96	18.41	903.43	655.71	2,023.25	1,993.13	30.13	67.157	
6,000.00	5,823.77	5,988.94	5,823.77	21.93	23.08	18.41	903.43	655.71	2,023.25	1,992.78	30.47	66.402	
6,100.00	5,923.77	6,088.94	5,923.77	22.04	23.20	18.41	903.43	655.71	2,023.25	1,992.44	30.82	65.657	
6,200.00	6,023.77	6,188.94	6,023.77	22.16	23.32	18.41	903.43	655.71	2,023.25	1,992.09	31.16	64.923	
6,300.00	6,123.77	6,288.94	6,123.77	22.28	23.44	18.41	903.43	655.71	2,023.25	1,991.74	31.51	64.201	
6,400.00	6,223.77	6,388.94	6,223.77	22.40	23.56	18.41	903.43	655.71	2,023.25	1,991.39	31.87	63.489	
6,500.00	6,323.77	6,488.94	6,323.77	22.52	23.69	18.41	903.43	655.71	2,023.25	1,991.03	32.22	62.788	
6,600.00	6,423.77	6,588.94	6,423.77	22.64	23.81	18.41	903.43	655.71	2,023.25	1,990.67	32.58	62.098	
6,700.00	6,523.77	6,688.94	6,523.77	22.77	23.94	18.41	903.43	655.71	2,023.25	1,990.31	32.94	61.419	
6,800.00	6,623.77	6,788.94	6,623.77	22.89	24.07	18.41	903.43	655.71	2,023.25	1,989.95	33.30	60.751	
6,900.00	6,723.77	6,888.94	6,723.77	23.02	24.20	18.41	903.43	655.71	2,023.25	1,989.59	33.67	60.093	
7,000.00	6,823.77	6,988.94	6,823.77	23.15	24.33	18.41	903.43	655.71	2,023.25	1,989.22	34.04	59.446	
7,100.00	6,923.77	7,088.94	6,923.77	23.28	24.46	18.41	903.43	655.71	2,023.25	1,988.85	34.40	58.809	
7,200.00	7,023.77	7,188.94	7,023.77	23.41	24.60	18.41	903.43	655.71	2,023.25	1,988.48	34.77	58.182	
7,300.00	7,123.77	7,288.94	7,123.77	23.55	24.73	18.41	903.43	655.71	2,023.25	1,988.11	35.15	57.566	
7,400.00	7,223.77	7,388.94	7,223.77	23.68	24.87	18.41	903.43	655.71	2,023.25	1,987.73	35.52	56.960	
7,500.00	7,323.77	7,488.94	7,323.77	23.82	25.01	18.41	903.43	655.71	2,023.25	1,987.36	35.90	56.364	
7,600.00	7,423.77	7,588.94	7,423.77	23.95	25.15	18.41	903.43	655.71	2,023.25	1,986.98	36.27	55.777	
7,700.00	7,523.77	7,688.94	7,523.77	24.09	25.29	18.41	903.43	655.71	2,023.25	1,986.60	36.65	55.200	
7,800.00	7,623.77	7,788.94	7,623.77	24.23	25.43	18.41	903.43	655.71	2,023.25	1,986.22	37.03	54.633	
7,900.00	7,723.77	7,888.94	7,723.77	24.37	25.58	18.41	903.43	655.71	2,023.25	1,985.84	37.42	54.075	
8,000.00	7,823.77	7,988.94	7,823.77	24.52	25.72	18.41	903.43	655.71	2,023.25	1,985.45	37.80	53.526	
8,100.00	7,923.77	8,088.94	7,923.77	24.66	25.86	18.41	903.43	655.71	2,023.25	1,985.07	38.18	52.986	
8,200.00	8,023.77	8,188.94	8,023.77	24.81	26.01	18.41	903.43	655.71	2,023.25	1,984.68	38.57	52.455	
8,273.23	8,097.00	8,262.17	8,097.00	24.91	26.12	18.41	903.43	655.71	2,023.25	1,984.40	38.86	52.071	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.44	0.00	87.44				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	87.44	0.00	87.44	87.25	0.19	457.670	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	87.44	0.00	87.44	86.80	0.64	136.498	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	87.44	0.00	87.44	86.35	1.09	80.210	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	87.44	0.00	87.44	85.90	1.54	56.791	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	87.44	0.00	87.44	85.45	1.99	43.957	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	87.44	0.00	87.44	85.00	2.44	35.854	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	87.44	0.00	87.44	84.55	2.89	30.274	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	87.44	0.00	87.44	84.10	3.34	26.197	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	87.44	0.00	87.44	83.65	3.79	23.087	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	87.44	0.00	87.44	83.20	4.24	20.638	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	87.44	0.00	87.44	82.75	4.69	18.658	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	87.44	0.00	87.44	82.30	5.14	17.025	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	87.44	0.00	87.44	81.85	5.59	15.655	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	87.44	0.00	87.44	81.40	6.03	14.489 CC, ES	
1,500.00	1,499.98	1,501.89	1,501.87	3.21	3.22	180.00	86.32	-1.43	88.10	81.67	6.43	13.695	
1,600.00	1,599.84	1,603.62	1,603.45	3.39	3.41	177.25	82.99	-5.70	90.23	83.44	6.78	13.301	
1,700.00	1,699.45	1,705.05	1,704.47	3.57	3.61	172.97	77.46	-12.79	94.20	87.05	7.15	13.183 SF	
1,800.00	1,798.70	1,806.03	1,804.67	3.77	3.83	167.62	69.77	-22.65	100.52	93.00	7.53	13.357	
1,900.00	1,897.47	1,906.41	1,903.78	4.00	4.08	161.73	59.98	-35.20	109.74	101.80	7.94	13.818	
2,000.00	1,995.62	2,006.06	2,001.55	4.27	4.37	155.82	48.16	-50.36	122.24	113.83	8.41	14.532	
2,100.00	2,093.06	2,104.85	2,097.76	4.58	4.69	150.28	34.38	-68.03	138.26	129.30	8.96	15.436	
2,200.00	2,189.64	2,202.65	2,192.19	4.94	5.06	145.31	18.74	-88.09	157.84	148.25	9.59	16.453	
2,300.00	2,285.27	2,299.39	2,284.73	5.36	5.49	141.02	1.42	-110.30	180.93	170.60	10.33	17.511	
2,400.00	2,379.82	2,395.47	2,376.42	5.85	5.95	138.01	-16.25	-132.95	207.23	196.09	11.14	18.597	
2,500.00	2,473.17	2,491.00	2,467.58	6.40	6.43	136.14	-33.82	-155.48	236.28	224.27	12.01	19.677	
2,558.11	2,526.82	2,546.21	2,520.27	6.76	6.72	135.45	-43.97	-168.49	254.31	241.77	12.53	20.291	
2,600.00	2,565.34	2,585.93	2,558.17	7.02	6.93	135.24	-51.27	-177.86	267.59	254.65	12.94	20.675	
2,700.00	2,657.28	2,680.74	2,648.64	7.68	7.44	134.83	-68.71	-200.21	299.33	285.38	13.95	21.457	
2,800.00	2,749.22	2,775.55	2,739.12	8.35	7.96	134.49	-86.14	-222.57	331.07	316.08	14.99	22.090	
2,900.00	2,841.16	2,870.37	2,829.59	9.04	8.49	134.21	-103.58	-244.92	362.82	346.77	16.05	22.608	
3,000.00	2,933.09	2,965.18	2,920.06	9.75	9.03	133.98	-121.01	-267.27	394.58	377.45	17.13	23.036	
3,100.00	3,025.03	3,059.99	3,010.54	10.47	9.58	133.78	-138.44	-289.63	426.34	408.12	18.22	23.393	
3,200.00	3,116.97	3,154.80	3,101.01	11.19	10.13	133.61	-155.88	-311.98	458.11	438.77	19.33	23.694	
3,300.00	3,208.91	3,249.61	3,191.49	11.92	10.69	133.46	-173.31	-334.34	489.88	469.42	20.45	23.949	
3,400.00	3,300.85	3,344.42	3,281.96	12.66	11.25	133.33	-190.75	-356.69	521.65	500.07	21.58	24.168	
3,500.00	3,392.79	3,439.24	3,372.44	13.40	11.81	133.21	-208.18	-379.04	553.43	530.71	22.72	24.357	
3,600.00	3,484.73	3,534.05	3,462.91	14.15	12.38	133.11	-225.61	-401.40	585.20	561.34	23.86	24.522	
3,700.00	3,576.67	3,628.86	3,553.39	14.90	12.95	133.02	-243.05	-423.75	616.98	591.97	25.01	24.666	
3,800.00	3,668.61	3,723.67	3,643.86	15.65	13.52	132.93	-260.48	-446.10	648.76	622.60	26.17	24.793	
3,900.00	3,760.55	3,818.48	3,734.34	16.41	14.09	132.86	-277.92	-468.46	680.54	653.22	27.32	24.906	
3,968.12	3,823.18	3,883.07	3,795.96	16.92	14.48	132.81	-289.79	-483.69	702.19	674.08	28.12	24.976	
4,000.00	3,852.56	3,913.33	3,824.84	17.13	14.67	132.93	-295.36	-490.82	712.21	683.72	28.49	25.002	
4,100.00	3,945.58	4,008.70	3,915.85	17.67	15.25	133.16	-312.89	-513.31	742.14	712.56	29.58	25.086	
4,200.00	4,039.83	4,104.65	4,007.41	18.17	15.83	133.17	-330.54	-535.93	769.81	739.13	30.68	25.088	
4,300.00	4,135.18	4,201.70	4,100.03	18.65	16.41	132.98	-348.36	-558.78	795.23	763.46	31.77	25.030	
4,400.00	4,231.53	4,303.18	4,197.54	19.09	16.85	132.73	-365.64	-580.94	818.09	785.39	32.69	25.025	
4,500.00	4,328.75	4,405.78	4,297.07	19.48	17.26	132.54	-380.94	-600.56	838.14	804.61	33.53	24.997	
4,600.00	4,426.73	4,509.37	4,398.40	19.84	17.63	132.38	-394.16	-617.50	855.32	821.04	34.28	24.952	
4,700.00	4,525.34	4,613.81	4,501.28	20.16	17.96	132.26	-405.19	-631.65	869.59	834.65	34.94	24.890	
4,800.00	4,624.48	4,718.94	4,605.44	20.43	18.24	132.18	-413.97	-642.90	880.90	845.40	35.50	24.814	
4,900.00	4,724.01	4,824.62	4,710.58	20.65	18.48	132.12	-420.41	-651.16	889.22	853.25	35.97	24.723	

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 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,000.00	4,823.81	4,930.66	4,816.42	20.83	18.68	132.09	-424.47	-656.37	894.51	858.18	36.34	24.618	
5,100.00	4,923.77	5,036.91	4,922.63	20.97	18.83	132.09	-426.13	-658.49	896.77	860.16	36.61	24.493	
5,126.23	4,950.00	5,064.29	4,950.00	21.00	18.86	-48.85	-426.17	-658.55	896.87	860.19	36.67	24.456	
5,200.00	5,023.77	5,138.06	5,023.77	21.07	18.94	-48.85	-426.17	-658.55	896.87	860.02	36.85	24.340	
5,300.00	5,123.77	5,238.06	5,123.77	21.17	19.06	-48.85	-426.17	-658.55	896.87	859.78	37.08	24.184	
5,400.00	5,223.77	5,338.06	5,223.77	21.27	19.18	-48.85	-426.17	-658.55	896.87	859.54	37.33	24.028	
5,500.00	5,323.77	5,438.06	5,323.77	21.38	19.30	-48.85	-426.17	-658.55	896.87	859.29	37.57	23.871	
5,600.00	5,423.77	5,538.06	5,423.77	21.48	19.42	-48.85	-426.17	-658.55	896.87	859.05	37.82	23.714	
5,700.00	5,523.77	5,638.06	5,523.77	21.59	19.55	-48.85	-426.17	-658.55	896.87	858.79	38.07	23.557	
5,800.00	5,623.77	5,738.06	5,623.77	21.70	19.67	-48.85	-426.17	-658.55	896.87	858.54	38.33	23.399	
5,900.00	5,723.77	5,838.06	5,723.77	21.81	19.80	-48.85	-426.17	-658.55	896.87	858.28	38.59	23.242	
6,000.00	5,823.77	5,938.06	5,823.77	21.93	19.93	-48.85	-426.17	-658.55	896.87	858.01	38.85	23.084	
6,100.00	5,923.77	6,038.06	5,923.77	22.04	20.06	-48.85	-426.17	-658.55	896.87	857.75	39.12	22.927	
6,200.00	6,023.77	6,138.06	6,023.77	22.16	20.20	-48.85	-426.17	-658.55	896.87	857.48	39.39	22.770	
6,300.00	6,123.77	6,238.06	6,123.77	22.28	20.33	-48.85	-426.17	-658.55	896.87	857.20	39.66	22.613	
6,400.00	6,223.77	6,338.06	6,223.77	22.40	20.47	-48.85	-426.17	-658.55	896.87	856.93	39.94	22.456	
6,500.00	6,323.77	6,438.06	6,323.77	22.52	20.61	-48.85	-426.17	-658.55	896.87	856.65	40.22	22.300	
6,600.00	6,423.77	6,538.06	6,423.77	22.64	20.75	-48.85	-426.17	-658.55	896.87	856.36	40.50	22.144	
6,700.00	6,523.77	6,638.06	6,523.77	22.77	20.89	-48.85	-426.17	-658.55	896.87	856.08	40.79	21.989	
6,800.00	6,623.77	6,738.06	6,623.77	22.89	21.03	-48.85	-426.17	-658.55	896.87	855.79	41.08	21.834	
6,900.00	6,723.77	6,838.06	6,723.77	23.02	21.17	-48.85	-426.17	-658.55	896.87	855.50	41.37	21.680	
7,000.00	6,823.77	6,938.06	6,823.77	23.15	21.32	-48.85	-426.17	-658.55	896.87	855.20	41.66	21.527	
7,100.00	6,923.77	7,038.06	6,923.77	23.28	21.47	-48.85	-426.17	-658.55	896.87	854.91	41.96	21.375	
7,200.00	7,023.77	7,138.06	7,023.77	23.41	21.61	-48.85	-426.17	-658.55	896.87	854.61	42.26	21.223	
7,300.00	7,123.77	7,238.06	7,123.77	23.55	21.76	-48.85	-426.17	-658.55	896.87	854.30	42.56	21.072	
7,400.00	7,223.77	7,338.06	7,223.77	23.68	21.91	-48.85	-426.17	-658.55	896.87	854.00	42.87	20.922	
7,500.00	7,323.77	7,438.06	7,323.77	23.82	22.07	-48.85	-426.17	-658.55	896.87	853.69	43.18	20.773	
7,600.00	7,423.77	7,538.06	7,423.77	23.95	22.22	-48.85	-426.17	-658.55	896.87	853.38	43.49	20.624	
7,700.00	7,523.77	7,638.06	7,523.77	24.09	22.37	-48.85	-426.17	-658.55	896.87	853.07	43.80	20.477	
7,800.00	7,623.77	7,738.06	7,623.77	24.23	22.53	-48.85	-426.17	-658.55	896.87	852.75	44.11	20.331	
7,900.00	7,723.77	7,838.06	7,723.77	24.37	22.69	-48.85	-426.17	-658.55	896.87	852.43	44.43	20.185	
8,000.00	7,823.77	7,938.06	7,823.77	24.52	22.84	-48.85	-426.17	-658.55	896.87	852.11	44.75	20.041	
8,100.00	7,923.77	8,038.06	7,923.77	24.66	23.00	-48.85	-426.17	-658.55	896.87	851.79	45.07	19.898	
8,200.00	8,023.77	8,138.06	8,023.77	24.81	23.16	-48.85	-426.17	-658.55	896.87	851.47	45.40	19.756	
8,245.82	8,069.60	8,183.88	8,069.60	24.87	23.24	-48.85	-426.17	-658.55	896.87	851.32	45.55	19.691	
8,273.23	8,097.00	8,203.29	8,089.00	24.91	23.27	-48.85	-426.17	-658.55	896.90	851.28	45.62	19.659	



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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		Minimum		Separation		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	43.73	0.00	43.73				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	43.73	0.00	43.73	43.53	0.19	228.868	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	43.73	0.00	43.73	43.08	0.64	68.259	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	43.73	0.00	43.73	42.64	1.09	40.111	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	43.73	0.00	43.73	42.19	1.54	28.400	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	43.73	0.00	43.73	41.74	1.99	21.982	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	43.73	0.00	43.73	41.29	2.44	17.930	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	43.73	0.00	43.73	40.84	2.89	15.139	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	43.73	0.00	43.73	40.39	3.34	13.100	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	43.73	0.00	43.73	39.94	3.79	11.545	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	43.73	0.00	43.73	39.49	4.24	10.320	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	43.73	0.00	43.73	39.04	4.69	9.330	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	43.73	0.00	43.73	38.59	5.14	8.514	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	43.73	0.00	43.73	38.14	5.59	7.828	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	43.73	0.00	43.73	37.69	6.03	7.245 CC, ES	
1,500.00	1,499.98	1,500.86	1,500.84	3.21	3.22	-177.22	42.71	1.45	44.48	38.05	6.43	6.916 SF	
1,600.00	1,599.84	1,601.56	1,601.39	3.39	3.41	-172.09	39.66	5.81	47.01	40.23	6.78	6.931	
1,700.00	1,699.45	1,701.95	1,701.40	3.57	3.61	-164.79	34.61	13.03	51.94	44.79	7.15	7.267	
1,800.00	1,798.70	1,801.89	1,800.58	3.77	3.83	-156.78	27.59	23.06	59.93	52.39	7.54	7.952	
1,900.00	1,897.47	1,901.23	1,898.68	4.00	4.08	-149.29	18.66	35.84	71.42	63.45	7.97	8.963	
2,000.00	1,995.62	1,999.83	1,995.46	4.27	4.36	-142.94	7.86	51.27	86.53	78.07	8.46	10.228	
2,100.00	2,093.06	2,097.56	2,090.69	4.58	4.68	-137.81	-4.71	69.25	105.20	96.18	9.03	11.654	
2,200.00	2,189.64	2,194.30	2,184.17	4.94	5.05	-133.74	-18.99	89.66	127.29	117.60	9.68	13.147	
2,300.00	2,285.27	2,290.63	2,276.56	5.36	5.47	-130.75	-34.60	111.98	152.48	142.06	10.42	14.629	
2,400.00	2,379.82	2,386.70	2,368.66	5.85	5.92	-129.28	-50.27	134.38	180.06	168.84	11.22	16.044	
2,500.00	2,473.17	2,482.18	2,460.19	6.40	6.38	-128.81	-65.85	156.65	209.78	197.71	12.07	17.380	
2,558.11	2,526.82	2,537.34	2,513.07	6.76	6.66	-128.85	-74.85	169.51	228.02	215.43	12.58	18.122	
2,600.00	2,565.34	2,577.01	2,551.10	7.02	6.86	-129.14	-81.32	178.77	241.42	228.44	12.98	18.602	
2,700.00	2,657.28	2,671.72	2,641.88	7.68	7.36	-129.73	-96.77	200.85	273.43	259.48	13.95	19.604	
2,800.00	2,749.22	2,766.42	2,732.67	8.35	7.86	-130.19	-112.22	222.94	305.47	290.52	14.94	20.441	
2,900.00	2,841.16	2,861.13	2,823.46	9.04	8.37	-130.56	-127.67	245.03	337.51	321.55	15.96	21.145	
3,000.00	2,933.09	2,955.83	2,914.25	9.75	8.89	-130.87	-143.12	267.12	369.57	352.57	17.00	21.743	
3,100.00	3,025.03	3,050.53	3,005.04	10.47	9.42	-131.13	-158.57	289.20	401.64	383.59	18.05	22.255	
3,200.00	3,116.97	3,145.24	3,095.82	11.19	9.95	-131.35	-174.02	311.29	433.71	414.60	19.11	22.697	
3,300.00	3,208.91	3,239.94	3,186.61	11.92	10.48	-131.54	-189.47	333.38	465.79	445.61	20.18	23.082	
3,400.00	3,300.85	3,334.65	3,277.40	12.66	11.02	-131.71	-204.92	355.46	497.87	476.61	21.26	23.420	
3,500.00	3,392.79	3,429.35	3,368.19	13.40	11.56	-131.86	-220.37	377.55	529.96	507.61	22.34	23.718	
3,600.00	3,484.73	3,524.06	3,458.97	14.15	12.11	-131.99	-235.82	399.64	562.05	538.61	23.44	23.982	
3,700.00	3,576.67	3,618.76	3,549.76	14.90	12.66	-132.10	-251.27	421.73	594.14	569.61	24.53	24.219	
3,800.00	3,668.61	3,713.47	3,640.55	15.65	13.21	-132.20	-266.72	443.81	626.23	600.60	25.63	24.431	
3,900.00	3,760.55	3,808.17	3,731.34	16.41	13.76	-132.30	-282.17	465.90	658.32	631.59	26.74	24.623	
3,968.12	3,823.18	3,872.68	3,793.18	16.92	14.14	-132.36	-292.69	480.95	680.19	652.70	27.49	24.743	
4,000.00	3,852.56	3,902.92	3,822.16	17.13	14.31	-132.53	-297.62	488.00	690.31	662.46	27.84	24.791	
4,100.00	3,945.58	3,998.22	3,913.52	17.67	14.87	-132.90	-313.17	510.22	720.56	691.67	28.90	24.937	
4,200.00	4,039.83	4,094.14	4,005.48	18.17	15.44	-133.03	-328.82	532.60	748.56	718.61	29.95	24.991	
4,300.00	4,135.18	4,190.58	4,097.93	18.65	16.00	-132.95	-344.55	555.09	774.30	743.29	31.01	24.971	
4,400.00	4,231.53	4,290.43	4,193.83	19.09	16.54	-132.70	-360.49	577.87	797.69	765.67	32.02	24.915	
4,500.00	4,328.75	4,393.35	4,293.56	19.48	16.96	-132.47	-375.06	598.70	818.27	785.39	32.87	24.894	
4,600.00	4,426.73	4,497.33	4,395.17	19.84	17.34	-132.29	-387.68	616.74	835.92	802.29	33.63	24.856	
4,700.00	4,525.34	4,602.22	4,498.42	20.16	17.68	-132.14	-398.26	631.87	850.60	816.30	34.30	24.800	
4,800.00	4,624.48	4,707.86	4,603.01	20.43	17.97	-132.03	-406.72	643.97	862.25	827.38	34.87	24.728	
4,900.00	4,724.01	4,814.08	4,708.67	20.65	18.22	-131.95	-413.00	652.93	870.84	835.49	35.34	24.639	

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



Weatherford International Ltd.

Anticollision Report



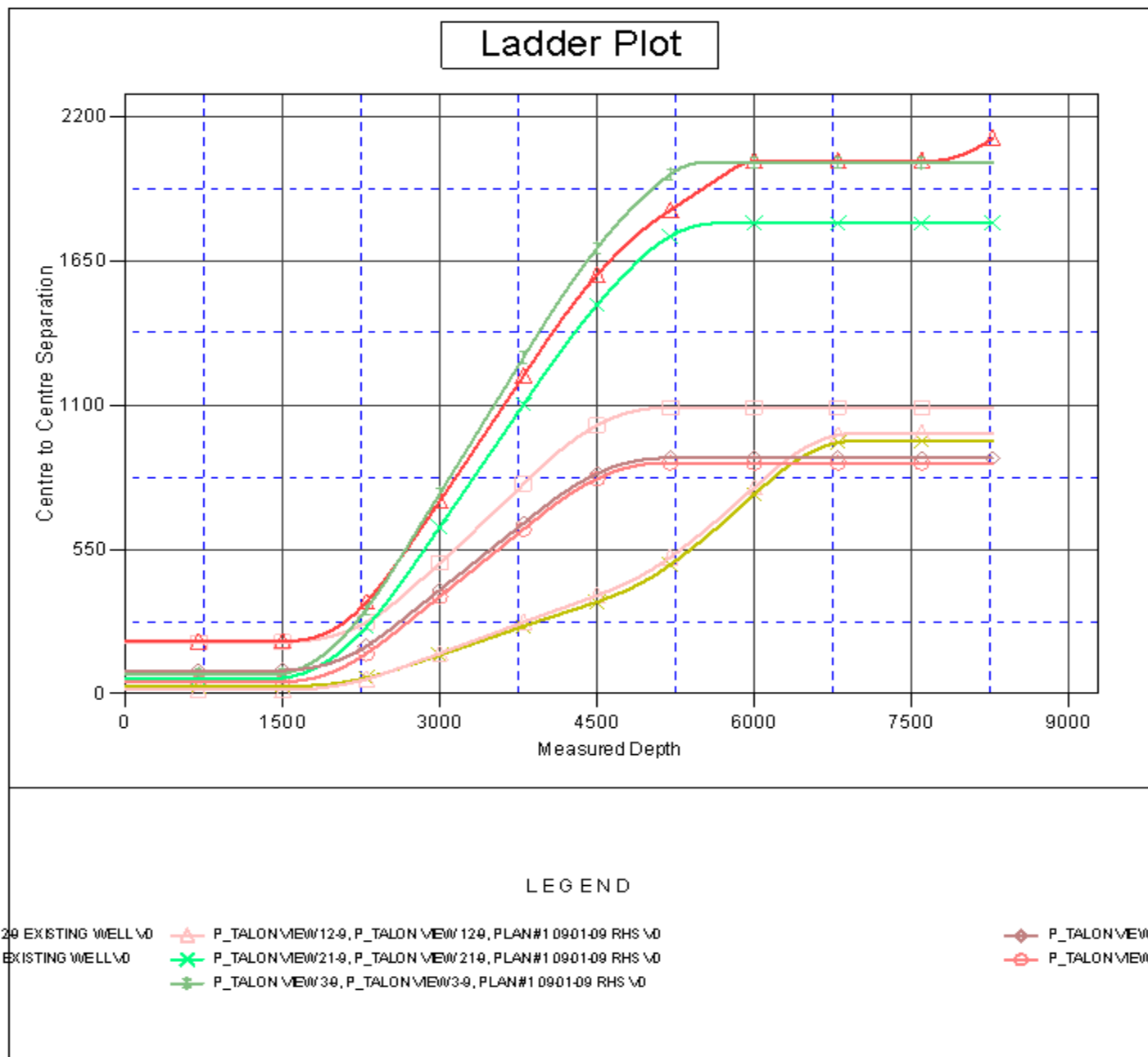
Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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 6-9 - P_TALON VIEW 6-9 - PLAN #1 09-01-09 RH												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
5,000.00	4,823.81	4,920.72	4,815.07	20.83	18.42	-131.90	-417.03	658.70	876.33	840.61	35.72	24.532	
5,100.00	4,923.77	5,027.59	4,921.89	20.97	18.57	-131.88	-418.80	661.23	878.71	842.71	36.01	24.403	
5,126.23	4,950.00	5,055.64	4,949.93	21.00	18.61	47.17	-418.88	661.35	878.82	842.75	36.07	24.364	
5,200.00	5,023.77	5,129.48	5,023.77	21.07	18.69	47.17	-418.88	661.35	878.82	842.58	36.25	24.246	
5,300.00	5,123.77	5,229.48	5,123.77	21.17	18.81	47.17	-418.88	661.35	878.82	842.34	36.49	24.085	
5,400.00	5,223.77	5,329.48	5,223.77	21.27	18.94	47.17	-418.88	661.35	878.82	842.09	36.73	23.924	
5,500.00	5,323.77	5,429.48	5,323.77	21.38	19.06	47.17	-418.88	661.35	878.82	841.84	36.98	23.763	
5,600.00	5,423.77	5,529.48	5,423.77	21.48	19.19	47.17	-418.88	661.35	878.82	841.59	37.24	23.601	
5,700.00	5,523.77	5,629.48	5,523.77	21.59	19.31	47.17	-418.88	661.35	878.82	841.33	37.49	23.440	
5,800.00	5,623.77	5,729.48	5,623.77	21.70	19.44	47.17	-418.88	661.35	878.82	841.07	37.75	23.278	
5,900.00	5,723.77	5,829.48	5,723.77	21.81	19.58	47.17	-418.88	661.35	878.82	840.81	38.02	23.116	
6,000.00	5,823.77	5,929.48	5,823.77	21.93	19.71	47.17	-418.88	661.35	878.82	840.54	38.29	22.955	
6,100.00	5,923.77	6,029.48	5,923.77	22.04	19.84	47.17	-418.88	661.35	878.82	840.27	38.56	22.794	
6,200.00	6,023.77	6,129.48	6,023.77	22.16	19.98	47.17	-418.88	661.35	878.82	839.99	38.83	22.633	
6,300.00	6,123.77	6,229.48	6,123.77	22.28	20.12	47.17	-418.88	661.35	878.82	839.72	39.11	22.472	
6,400.00	6,223.77	6,329.48	6,223.77	22.40	20.26	47.17	-418.88	661.35	878.82	839.44	39.39	22.312	
6,500.00	6,323.77	6,429.48	6,323.77	22.52	20.40	47.17	-418.88	661.35	878.82	839.15	39.67	22.152	
6,600.00	6,423.77	6,529.48	6,423.77	22.64	20.54	47.17	-418.88	661.35	878.82	838.87	39.96	21.993	
6,700.00	6,523.77	6,629.48	6,523.77	22.77	20.69	47.17	-418.88	661.35	878.82	838.58	40.25	21.835	
6,800.00	6,623.77	6,729.48	6,623.77	22.89	20.83	47.17	-418.88	661.35	878.82	838.28	40.54	21.677	
6,900.00	6,723.77	6,829.48	6,723.77	23.02	20.98	47.17	-418.88	661.35	878.82	837.99	40.84	21.521	
7,000.00	6,823.77	6,929.48	6,823.77	23.15	21.13	47.17	-418.88	661.35	878.82	837.69	41.13	21.364	
7,100.00	6,923.77	7,029.48	6,923.77	23.28	21.28	47.17	-418.88	661.35	878.82	837.39	41.44	21.209	
7,200.00	7,023.77	7,129.48	7,023.77	23.41	21.43	47.17	-418.88	661.35	878.82	837.08	41.74	21.055	
7,300.00	7,123.77	7,229.48	7,123.77	23.55	21.58	47.17	-418.88	661.35	878.82	836.78	42.05	20.901	
7,400.00	7,223.77	7,329.48	7,223.77	23.68	21.73	47.17	-418.88	661.35	878.82	836.47	42.35	20.749	
7,500.00	7,323.77	7,429.48	7,323.77	23.82	21.89	47.17	-418.88	661.35	878.82	836.16	42.67	20.598	
7,600.00	7,423.77	7,529.48	7,423.77	23.95	22.04	47.17	-418.88	661.35	878.82	835.84	42.98	20.447	
7,700.00	7,523.77	7,629.48	7,523.77	24.09	22.20	47.17	-418.88	661.35	878.82	835.53	43.30	20.298	
7,800.00	7,623.77	7,729.48	7,623.77	24.23	22.36	47.17	-418.88	661.35	878.82	835.21	43.62	20.149	
7,900.00	7,723.77	7,829.48	7,723.77	24.37	22.52	47.17	-418.88	661.35	878.82	834.89	43.94	20.002	
8,000.00	7,823.77	7,929.48	7,823.77	24.52	22.68	47.17	-418.88	661.35	878.82	834.57	44.26	19.856	
8,100.00	7,923.77	8,029.48	7,923.77	24.66	22.84	47.17	-418.88	661.35	878.82	834.24	44.58	19.711	
8,200.00	8,023.77	8,129.48	8,023.77	24.81	23.00	47.17	-418.88	661.35	878.82	833.91	44.91	19.568	
8,273.23	8,097.00	8,202.71	8,097.00	24.91	23.12	47.17	-418.88	661.35	878.82	833.67	45.15	19.463	



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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 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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 22-9
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.39°

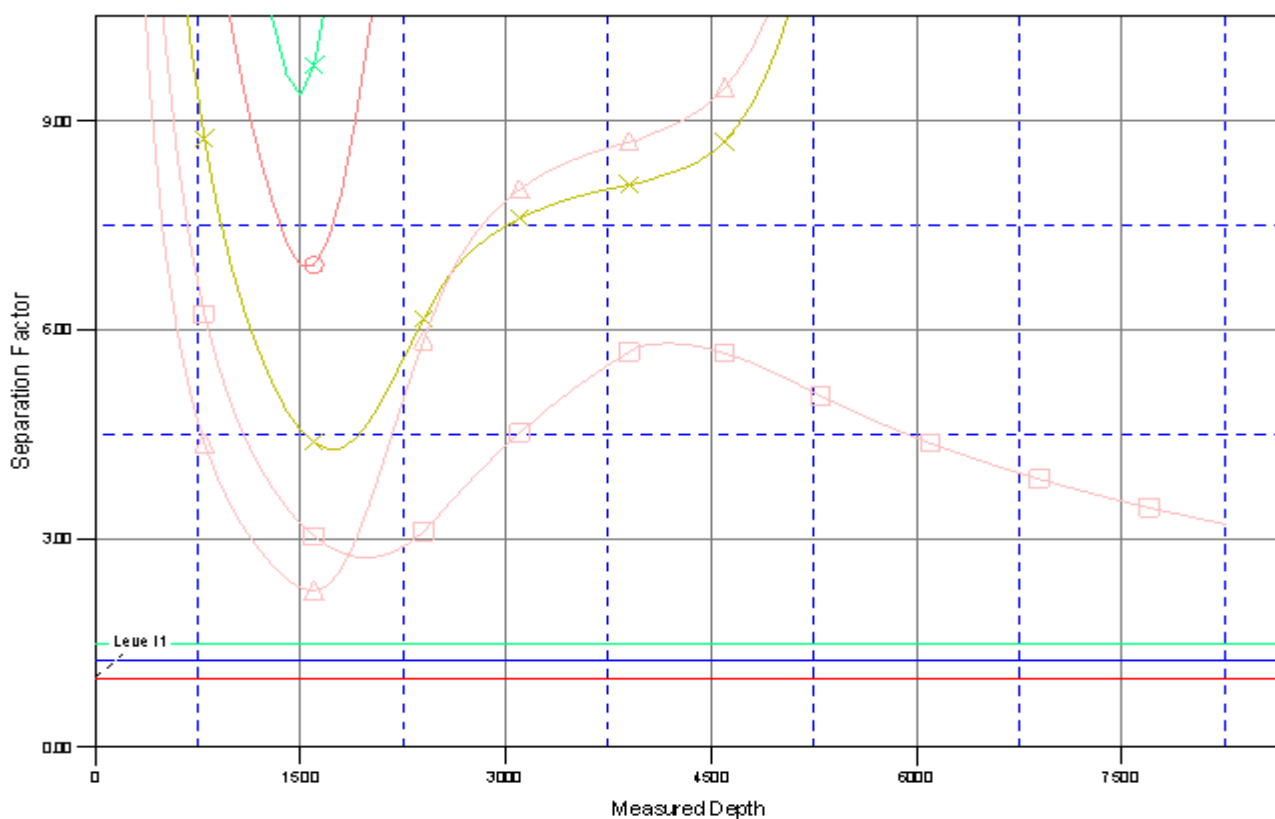




Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 22-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 22-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 22-9	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 22-9
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.39°

Separation Factor Plot



LEGEND

12# EXISTING WELL \0 P_TALON\VIEW\12# , P_TALON\VIEW\12# , PLAN#1 0901-09 RHS \0 P_TALON\VIEW\5#
9# EXISTING WELL \0 P_TALON\VIEW\21# , P_TALON\VIEW\21# , PLAN#1 0901-09 RHS \0 P_TALON\VIEW\6#
P_TALON\VIEW\3# , P_TALON\VIEW\3# , PLAN#1 0901-09 RHS \0