



US ROCKIES REGION PLANNING

KERR MCGEE OIL & GAS ONSHORE LP

ADAMS_TALON VIEW 7 PAD

P_TALON VIEW 6-9

P_TALON VIEW 6-9

Plan: PLAN #1 09-01-09 RH

Standard Planning Report

01 September, 2009





P. TALON VIEW 6-9
KERR MCGEE OIL & GAS ONSHORE LP
SECTION 9 T1S R67W
1514 FNL 1321 FWL
LAT: 39° 58' 56.100 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

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4951.00	5056.71	SUSSEX TOP
7493.00	7598.71	NIO A TOP
7938.00	8043.71	CODELL TOP
8368.00	8473.71	JSAND TOP

WELL DETAILS: P_TALON VIEW 6-9

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1236952.47	3168529.73	5156.00	39° 58' 56.100 N	104° 53' 54.924 W	

SECTION DETAILS

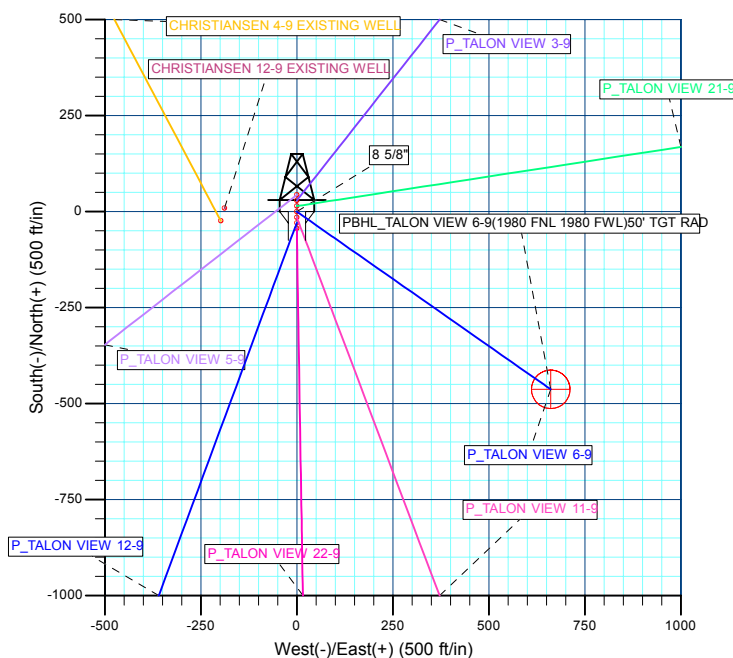
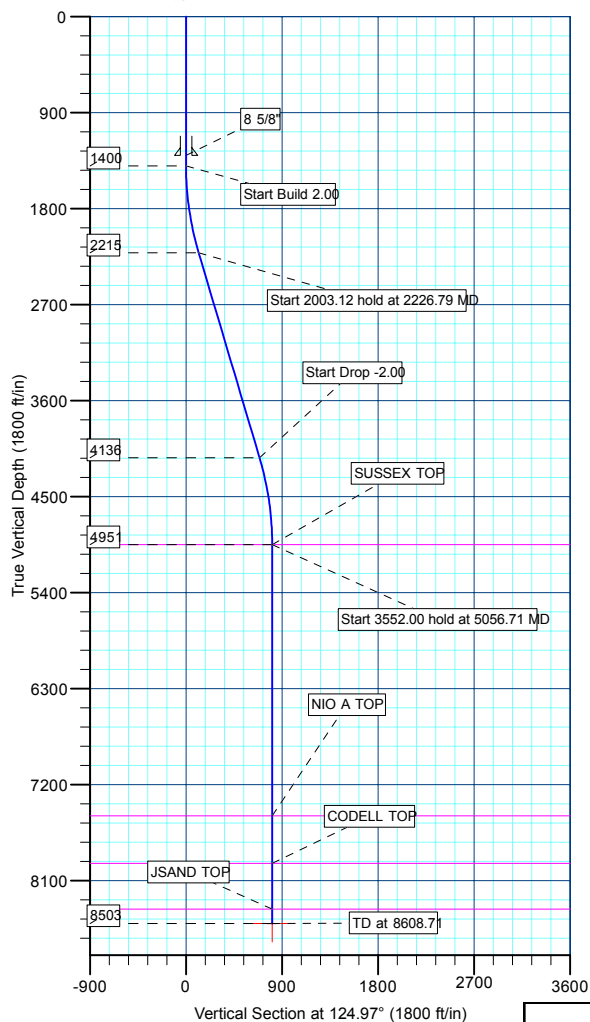
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	
2226.79	16.54	124.97	2215.36	-67.91	97.09	2.00	124.97	118.48	
4229.91	16.54	124.97	4135.64	-394.69	564.26	0.00	0.00	688.60	
5056.71	0.00	0.00	4951.00	-462.61	661.35	2.00	180.00	807.08	
8608.71	0.00	0.00	8503.00	-462.61	661.35	0.00	0.00	807.08	PBHL_TALON VIEW 6-9(1980 FNL 1980 FWL)50' TGT RAD

CASING DETAILS

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



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



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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8503.00	-462.61	661.35	1236494.36	3169194.20	39° 58' 51.528 N	104° 53' 46.428 W	Circle (Radius: 50.00)

Plan: PLAN #1 09-01-09 RH (P_TALON VIEW 6-9/P_TALON VIEW 6-9)

Created By: Robert H. Scott



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 6-9		
Design:	PLAN #1 09-01-09 RH		

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 6-9			
Well Position	+N/-S	14.56 ft	Northing:	1,236,952.47 ft
	+E/-W	0.00 ft	Easting:	3,168,529.73 ft
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft
			Ground Level:	5,156.00 ft

Wellbore	P_TALON VIEW 6-9				
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 RH			
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	124.97

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	
2,226.79	16.54	124.97	2,215.36	-67.91	97.09	2.00	2.00	0.00	124.97	
4,229.91	16.54	124.97	4,135.64	-394.69	564.26	0.00	0.00	0.00	0.00	
5,056.71	0.00	0.00	4,951.00	-462.61	661.35	2.00	-2.00	0.00	180.00	
8,608.71	0.00	0.00	8,503.00	-462.61	661.35	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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 6-9		
Design:	PLAN #1 09-01-09 RH		

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	124.97	1,499.98	-1.00	1.43	1.75	2.00	2.00	0.00
1,600.00	4.00	124.97	1,599.84	-4.00	5.72	6.98	2.00	2.00	0.00
1,700.00	6.00	124.97	1,699.45	-9.00	12.86	15.69	2.00	2.00	0.00
1,800.00	8.00	124.97	1,798.70	-15.98	22.85	27.88	2.00	2.00	0.00
1,900.00	10.00	124.97	1,897.47	-24.95	35.66	43.52	2.00	2.00	0.00
2,000.00	12.00	124.97	1,995.62	-35.88	51.30	62.60	2.00	2.00	0.00
2,100.00	14.00	124.97	2,093.06	-48.78	69.73	85.10	2.00	2.00	0.00
2,200.00	16.00	124.97	2,189.64	-63.61	90.94	110.98	2.00	2.00	0.00
Start 2003.12 hold at 2226.79 MD									
2,226.79	16.54	124.97	2,215.36	-67.91	97.09	118.48	2.00	2.00	0.00
2,300.00	16.54	124.97	2,285.54	-79.85	114.16	139.32	0.00	0.00	0.00
2,400.00	16.54	124.97	2,381.41	-96.17	137.48	167.78	0.00	0.00	0.00
2,500.00	16.54	124.97	2,477.27	-112.48	160.81	196.24	0.00	0.00	0.00
2,600.00	16.54	124.97	2,573.13	-128.80	184.13	224.70	0.00	0.00	0.00
2,700.00	16.54	124.97	2,669.00	-145.11	207.45	253.16	0.00	0.00	0.00
2,800.00	16.54	124.97	2,764.86	-161.42	230.77	281.63	0.00	0.00	0.00
2,900.00	16.54	124.97	2,860.73	-177.74	254.09	310.09	0.00	0.00	0.00
3,000.00	16.54	124.97	2,956.59	-194.05	277.42	338.55	0.00	0.00	0.00
3,100.00	16.54	124.97	3,052.46	-210.36	300.74	367.01	0.00	0.00	0.00
3,200.00	16.54	124.97	3,148.32	-226.68	324.06	395.47	0.00	0.00	0.00
3,300.00	16.54	124.97	3,244.18	-242.99	347.38	423.93	0.00	0.00	0.00
3,400.00	16.54	124.97	3,340.05	-259.31	370.71	452.40	0.00	0.00	0.00
3,500.00	16.54	124.97	3,435.91	-275.62	394.03	480.86	0.00	0.00	0.00
3,600.00	16.54	124.97	3,531.78	-291.93	417.35	509.32	0.00	0.00	0.00
3,700.00	16.54	124.97	3,627.64	-308.25	440.67	537.78	0.00	0.00	0.00
3,800.00	16.54	124.97	3,723.50	-324.56	463.99	566.24	0.00	0.00	0.00
3,900.00	16.54	124.97	3,819.37	-340.87	487.32	594.70	0.00	0.00	0.00
4,000.00	16.54	124.97	3,915.23	-357.19	510.64	623.17	0.00	0.00	0.00
4,100.00	16.54	124.97	4,011.10	-373.50	533.96	651.63	0.00	0.00	0.00
4,200.00	16.54	124.97	4,106.96	-389.81	557.28	680.09	0.00	0.00	0.00
Start Drop -2.00									
4,229.91	16.54	124.97	4,135.64	-394.69	564.26	688.60	0.00	0.00	0.00
4,300.00	15.13	124.97	4,203.06	-405.66	579.93	707.73	2.00	-2.00	0.00
4,400.00	13.13	124.97	4,300.03	-419.65	599.94	732.14	2.00	-2.00	0.00
4,500.00	11.13	124.97	4,397.79	-431.70	617.16	753.16	2.00	-2.00	0.00
4,600.00	9.13	124.97	4,496.23	-441.78	631.58	770.76	2.00	-2.00	0.00
4,700.00	7.13	124.97	4,595.22	-449.89	643.17	784.91	2.00	-2.00	0.00
4,800.00	5.13	124.97	4,694.64	-456.02	651.93	795.59	2.00	-2.00	0.00
4,900.00	3.13	124.97	4,794.37	-460.15	657.84	802.80	2.00	-2.00	0.00
5,000.00	1.13	124.97	4,894.30	-462.28	660.89	806.52	2.00	-2.00	0.00
Start 3552.00 hold at 5056.71 MD - SUSSEX TOP									
5,056.71	0.00	0.00	4,951.00	-462.61	661.35	807.08	2.00	-2.00	-220.39
5,100.00	0.00	0.00	4,994.29	-462.61	661.35	807.08	0.00	0.00	0.00
5,200.00	0.00	0.00	5,094.29	-462.61	661.35	807.08	0.00	0.00	0.00
5,300.00	0.00	0.00	5,194.29	-462.61	661.35	807.08	0.00	0.00	0.00
5,400.00	0.00	0.00	5,294.29	-462.61	661.35	807.08	0.00	0.00	0.00
5,500.00	0.00	0.00	5,394.29	-462.61	661.35	807.08	0.00	0.00	0.00
5,600.00	0.00	0.00	5,494.29	-462.61	661.35	807.08	0.00	0.00	0.00
5,700.00	0.00	0.00	5,594.29	-462.61	661.35	807.08	0.00	0.00	0.00
5,800.00	0.00	0.00	5,694.29	-462.61	661.35	807.08	0.00	0.00	0.00
5,900.00	0.00	0.00	5,794.29	-462.61	661.35	807.08	0.00	0.00	0.00



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 6-9		
Design:	PLAN #1 09-01-09 RH		

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	5,894.29	-462.61	661.35	807.08	0.00	0.00	0.00
6,100.00	0.00	0.00	5,994.29	-462.61	661.35	807.08	0.00	0.00	0.00
6,200.00	0.00	0.00	6,094.29	-462.61	661.35	807.08	0.00	0.00	0.00
6,300.00	0.00	0.00	6,194.29	-462.61	661.35	807.08	0.00	0.00	0.00
6,400.00	0.00	0.00	6,294.29	-462.61	661.35	807.08	0.00	0.00	0.00
6,500.00	0.00	0.00	6,394.29	-462.61	661.35	807.08	0.00	0.00	0.00
6,600.00	0.00	0.00	6,494.29	-462.61	661.35	807.08	0.00	0.00	0.00
6,700.00	0.00	0.00	6,594.29	-462.61	661.35	807.08	0.00	0.00	0.00
6,800.00	0.00	0.00	6,694.29	-462.61	661.35	807.08	0.00	0.00	0.00
6,900.00	0.00	0.00	6,794.29	-462.61	661.35	807.08	0.00	0.00	0.00
7,000.00	0.00	0.00	6,894.29	-462.61	661.35	807.08	0.00	0.00	0.00
7,100.00	0.00	0.00	6,994.29	-462.61	661.35	807.08	0.00	0.00	0.00
7,200.00	0.00	0.00	7,094.29	-462.61	661.35	807.08	0.00	0.00	0.00
7,300.00	0.00	0.00	7,194.29	-462.61	661.35	807.08	0.00	0.00	0.00
7,400.00	0.00	0.00	7,294.29	-462.61	661.35	807.08	0.00	0.00	0.00
7,500.00	0.00	0.00	7,394.29	-462.61	661.35	807.08	0.00	0.00	0.00
NIO A TOP									
7,598.71	0.00	0.00	7,493.00	-462.61	661.35	807.08	0.00	0.00	0.00
7,600.00	0.00	0.00	7,494.29	-462.61	661.35	807.08	0.00	0.00	0.00
7,700.00	0.00	0.00	7,594.29	-462.61	661.35	807.08	0.00	0.00	0.00
7,800.00	0.00	0.00	7,694.29	-462.61	661.35	807.08	0.00	0.00	0.00
7,900.00	0.00	0.00	7,794.29	-462.61	661.35	807.08	0.00	0.00	0.00
8,000.00	0.00	0.00	7,894.29	-462.61	661.35	807.08	0.00	0.00	0.00
CODELL TOP									
8,043.71	0.00	0.00	7,938.00	-462.61	661.35	807.08	0.00	0.00	0.00
8,100.00	0.00	0.00	7,994.29	-462.61	661.35	807.08	0.00	0.00	0.00
8,200.00	0.00	0.00	8,094.29	-462.61	661.35	807.08	0.00	0.00	0.00
8,300.00	0.00	0.00	8,194.29	-462.61	661.35	807.08	0.00	0.00	0.00
8,400.00	0.00	0.00	8,294.29	-462.61	661.35	807.08	0.00	0.00	0.00
JSAND TOP									
8,473.71	0.00	0.00	8,368.00	-462.61	661.35	807.08	0.00	0.00	0.00
8,500.00	0.00	0.00	8,394.29	-462.61	661.35	807.08	0.00	0.00	0.00
8,600.00	0.00	0.00	8,494.29	-462.61	661.35	807.08	0.00	0.00	0.00
PBHL_TALON VIEW 6-9(1980 FNL 1980 FWL)50' TGT RAD									
8,608.71	0.00	0.00	8,503.00	-462.61	661.35	807.08	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	8,503.00	-462.61	661.35	1,236,494.36	3,169,194.20	39° 58' 51.528 N	104° 53' 46.428 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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 6-9		
Design:	PLAN #1 09-01-09 RH		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,056.71	4,951.00	SUSSEX TOP			
7,598.71	7,493.00	NIO A TOP			
8,043.71	7,938.00	CODELL TOP			
8,473.71	8,368.00	JSAND 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
2,226.79	2,215.36	-67.91	97.09	Start 2003.12 hold at 2226.79 MD
4,229.91	4,135.64	-394.69	564.26	Start Drop -2.00
5,056.71	4,951.00	-462.61	661.35	Start 3552.00 hold at 5056.71 MD
8,608.71	8,503.00	-462.61	661.35	TD at 8608.71



US ROCKIES REGION PLANNING

**KERR MCGEE OIL & GAS ONSHORE LP
ADAMS_TALON VIEW 7 PAD
P_TALON VIEW 6-9**

**P_TALON VIEW 6-9
PLAN #1 09-01-09 RH**

Anticollision Report

01 September, 2009





Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	Offset TVD Reference:	Offset Datum

Reference	PLAN #1 09-01-09 RH		
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	8,608.71	PLAN #1 09-01-09 RH (P_TALON VIEW 6-9)	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	188.47	131.70	3.320	CC
CHRISTIENSEN 12-9 EXISTING WELL - CHRISTIANSE	1,500.00	1,499.98	189.95	128.99	3.116	ES
CHRISTIENSEN 12-9 EXISTING WELL - CHRISTIANSE	8,608.71	8,503.00	971.78	615.13	2.725	SF
CHRISTIENSEN 4-9 EXISTING WELL - CHRISTIANSE	1,400.00	1,400.00	199.36	193.32	33.016	CC, ES
CHRISTIENSEN 4-9 EXISTING WELL - CHRISTIANSE	1,700.00	1,693.40	214.11	206.87	29.547	SF
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,400.00	1,400.00	14.56	8.52	2.412	CC, ES
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,500.00	1,499.52	15.20	8.77	2.363	SF
P_TALON VIEW 12-9 - P_TALON VIEW 12-9 - PLAN #1	1,400.00	1,400.00	29.14	23.10	4.828	CC, ES
P_TALON VIEW 12-9 - P_TALON VIEW 12-9 - PLAN #1	1,500.00	1,499.01	29.83	23.39	4.637	SF
P_TALON VIEW 21-9 - P_TALON VIEW 21-9 - PLAN #1	1,400.00	1,400.00	14.57	8.53	2.414	CC, ES, SF
P_TALON VIEW 22-9 - P_TALON VIEW 22-9 - PLAN #1	1,400.00	1,400.00	43.73	37.69	7.245	CC, ES
P_TALON VIEW 22-9 - P_TALON VIEW 22-9 - PLAN #1	1,500.00	1,498.47	44.47	38.04	6.915	SF
P_TALON VIEW 3-9 - P_TALON VIEW 3-9 - PLAN #1 05	1,400.00	1,400.00	29.15	23.11	4.830	CC, ES, SF
P_TALON VIEW 5-9 - P_TALON VIEW 5-9 - PLAN #1 05	1,467.28	1,467.89	43.69	37.39	6.926	CC
P_TALON VIEW 5-9 - P_TALON VIEW 5-9 - PLAN #1 05	1,500.00	1,500.87	43.72	37.28	6.788	ES
P_TALON VIEW 5-9 - P_TALON VIEW 5-9 - PLAN #1 05	1,600.00	1,601.25	44.83	38.02	6.586	SF

Offset Design ADAMS_TALON VIEW 7 PAD - CHRISTIANSE											
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)
0.00	0.00	0.00	0.00	0.00	0.00	-87.22	9.13	-188.25	188.47		
100.00	100.00	100.00	100.00	0.10	1.76	-87.22	9.13	-188.25	188.47	186.62	1.86
200.00	200.00	200.00	200.00	0.32	5.76	-87.22	9.13	-188.25	188.47	182.39	6.08
300.00	300.00	300.00	300.00	0.55	9.76	-87.22	9.13	-188.25	188.47	178.17	10.31
400.00	400.00	400.00	400.00	0.77	13.76	-87.22	9.13	-188.25	188.47	173.94	14.53
500.00	500.00	500.00	500.00	0.99	17.76	-87.22	9.13	-188.25	188.47	169.72	18.75
600.00	600.00	600.00	600.00	1.22	21.76	-87.22	9.13	-188.25	188.47	165.50	22.98
700.00	700.00	700.00	700.00	1.44	25.76	-87.22	9.13	-188.25	188.47	161.27	27.20
800.00	800.00	800.00	800.00	1.67	29.76	-87.22	9.13	-188.25	188.47	157.05	31.43
900.00	900.00	900.00	900.00	1.89	33.76	-87.22	9.13	-188.25	188.47	152.82	35.65
1,000.00	1,000.00	1,000.00	1,000.00	2.12	37.76	-87.22	9.13	-188.25	188.47	148.60	39.88
1,100.00	1,100.00	1,100.00	1,100.00	2.34	41.76	-87.22	9.13	-188.25	188.47	144.37	44.10
											4.273

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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1,200.00	1,200.00	1,200.00	1,200.00	2.57	45.76	-87.22	9.13	-188.25	188.47	140.15	48.33	3.900	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	49.76	-87.22	9.13	-188.25	188.47	135.92	52.55	3.586	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	53.76	-87.22	9.13	-188.25	188.47	131.70	56.78	3.320 CC	
1,500.00	1,499.98	1,499.98	1,499.98	3.22	57.76	-87.22	9.13	-188.25	189.95	128.99	60.96	3.116 ES	
1,600.00	1,599.84	1,599.84	1,599.84	3.41	61.75	-87.22	9.13	-188.25	194.42	129.36	65.06	2.988	
1,700.00	1,699.45	1,699.45	1,699.45	3.61	65.74	-87.22	9.13	-188.25	201.93	132.85	69.08	2.923	
1,800.00	1,798.70	1,798.70	1,798.70	3.83	69.71	-87.22	9.13	-188.25	212.59	139.58	73.00	2.912	
1,900.00	1,897.47	1,897.47	1,897.47	4.08	73.66	-87.22	9.13	-188.25	226.49	149.70	76.80	2.949	
2,000.00	1,995.62	1,995.62	1,995.62	4.36	77.58	-87.22	9.13	-188.25	243.74	163.30	80.45	3.030	
2,100.00	2,093.06	2,093.06	2,093.06	4.69	81.48	-87.22	9.13	-188.25	264.40	180.48	83.92	3.151	
2,200.00	2,189.64	2,189.64	2,189.64	5.07	85.35	-87.22	9.13	-188.25	288.51	201.30	87.21	3.308	
2,226.79	2,215.36	2,215.36	2,215.36	5.19	86.37	-87.22	9.13	-188.25	295.56	207.50	88.06	3.356	
2,300.00	2,285.54	2,285.54	2,285.54	5.51	89.18	-87.22	9.13	-188.25	315.23	224.34	90.90	3.468	
2,400.00	2,381.41	2,381.41	2,381.41	5.98	93.02	-87.22	9.13	-188.25	342.33	247.54	94.79	3.611	
2,500.00	2,477.27	2,477.27	2,477.27	6.47	96.85	-87.22	9.13	-188.25	369.64	270.94	98.69	3.745	
2,600.00	2,573.13	2,573.13	2,573.13	6.98	100.69	-87.22	9.13	-188.25	397.10	294.49	102.61	3.870	
2,700.00	2,669.00	2,669.00	2,669.00	7.50	104.52	-87.22	9.13	-188.25	424.70	318.17	106.53	3.987	
2,800.00	2,764.86	2,764.86	2,764.86	8.04	108.35	-87.22	9.13	-188.25	452.40	341.95	110.46	4.096	
2,900.00	2,860.73	2,860.73	2,860.73	8.58	112.19	-87.22	9.13	-188.25	480.20	365.81	114.39	4.198	
3,000.00	2,956.59	2,956.59	2,956.59	9.13	116.02	-87.22	9.13	-188.25	508.06	389.74	118.33	4.294	
3,100.00	3,052.46	3,052.46	3,052.46	9.69	119.86	-87.22	9.13	-188.25	535.99	413.73	122.27	4.384	
3,200.00	3,148.32	3,148.32	3,148.32	10.26	123.69	-87.22	9.13	-188.25	563.98	437.77	126.21	4.469	
3,300.00	3,244.18	3,244.18	3,244.18	10.82	127.53	-87.22	9.13	-188.25	592.01	461.85	130.16	4.548	
3,400.00	3,340.05	3,340.05	3,340.05	11.40	131.36	-87.22	9.13	-188.25	620.07	485.97	134.10	4.624	
3,500.00	3,435.91	3,435.91	3,435.91	11.97	135.20	-87.22	9.13	-188.25	648.18	510.12	138.05	4.695	
3,600.00	3,531.78	3,531.78	3,531.78	12.55	139.03	-87.22	9.13	-188.25	676.31	534.30	142.01	4.762	
3,700.00	3,627.64	3,627.64	3,627.64	13.13	142.87	-87.22	9.13	-188.25	704.47	558.51	145.96	4.826	
3,800.00	3,723.50	3,723.50	3,723.50	13.71	146.70	-87.22	9.13	-188.25	732.65	582.73	149.92	4.887	
3,900.00	3,819.37	3,819.37	3,819.37	14.30	150.53	-87.22	9.13	-188.25	760.85	606.98	153.87	4.945	
4,000.00	3,915.23	3,915.23	3,915.23	14.88	154.37	-87.22	9.13	-188.25	789.07	631.24	157.83	4.999	
4,100.00	4,011.10	4,011.10	4,011.10	15.47	158.20	-87.22	9.13	-188.25	817.31	655.52	161.79	5.052	
4,200.00	4,106.96	4,106.96	4,106.96	16.06	162.04	-87.22	9.13	-188.25	845.56	679.81	165.75	5.101	
4,229.91	4,135.64	4,135.64	4,135.64	16.23	163.19	-87.22	9.13	-188.25	854.02	687.08	166.94	5.116	
4,300.00	4,203.06	4,203.06	4,203.06	16.59	165.88	-87.22	9.13	-188.25	873.01	702.25	170.76	5.113	
4,400.00	4,300.03	4,300.03	4,300.03	16.99	169.76	-87.22	9.13	-188.25	897.27	721.17	176.10	5.095	
4,500.00	4,397.79	4,397.79	4,397.79	17.35	173.67	-87.22	9.13	-188.25	918.16	736.85	181.31	5.064	
4,600.00	4,496.23	4,496.23	4,496.23	17.68	177.61	-87.22	9.13	-188.25	935.65	749.19	186.46	5.018	
4,700.00	4,595.22	4,595.22	4,595.22	17.96	181.57	-87.22	9.13	-188.25	949.72	758.27	191.45	4.961	
4,800.00	4,694.64	4,694.64	4,694.64	18.19	185.55	-87.22	9.13	-188.25	960.35	764.09	196.25	4.893	
4,900.00	4,794.37	4,794.37	4,794.37	18.39	189.53	-87.22	9.13	-188.25	967.52	766.67	200.85	4.817	
5,000.00	4,894.30	4,894.30	4,894.30	18.54	193.53	-87.22	9.13	-188.25	971.22	766.01	205.21	4.733	
5,056.71	4,951.00	4,951.00	4,951.00	18.61	195.80	-87.22	9.13	-188.25	971.78	764.20	207.58	4.682	
5,100.00	4,994.29	4,994.29	4,994.29	18.66	197.53	-87.22	9.13	-188.25	971.78	762.39	209.39	4.641	
5,200.00	5,094.29	5,094.29	5,094.29	18.78	201.53	-87.22	9.13	-188.25	971.78	758.21	213.57	4.550	
5,300.00	5,194.29	5,194.29	5,194.29	18.90	205.53	-87.22	9.13	-188.25	971.78	754.03	217.75	4.463	
5,400.00	5,294.29	5,294.29	5,294.29	19.02	209.53	-87.22	9.13	-188.25	971.78	749.85	221.93	4.379	
5,500.00	5,394.29	5,394.29	5,394.29	19.15	213.53	-87.22	9.13	-188.25	971.78	745.66	226.12	4.298	
5,600.00	5,494.29	5,494.29	5,494.29	19.28	217.53	-87.22	9.13	-188.25	971.78	741.48	230.30	4.220	
5,700.00	5,594.29	5,594.29	5,594.29	19.41	221.53	-87.22	9.13	-188.25	971.78	737.29	234.49	4.144	
5,800.00	5,694.29	5,694.29	5,694.29	19.54	225.53	-87.22	9.13	-188.25	971.78	733.10	238.68	4.071	
5,900.00	5,794.29	5,794.29	5,794.29	19.67	229.53	-87.22	9.13	-188.25	971.78	728.91	242.87	4.001	
6,000.00	5,894.29	5,894.29	5,894.29	19.80	233.53	-87.22	9.13	-188.25	971.78	724.72	247.06	3.933	

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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	Offset TVD Reference:	Offset Datum

Offset Design ADAMS_TALON VIEW 7 PAD - CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSEN 12-9 EXISTI													Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN													Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis					Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
6,100.00	5,994.29	5,994.29	5,994.29	19.94	237.53	-60.96	9.13	-188.25	971.78	720.53	251.25	3.868		
6,200.00	6,094.29	6,094.29	6,094.29	20.08	241.53	-60.96	9.13	-188.25	971.78	716.33	255.44	3.804		
6,300.00	6,194.29	6,194.29	6,194.29	20.22	245.53	-60.96	9.13	-188.25	971.78	712.14	259.64	3.743		
6,400.00	6,294.29	6,294.29	6,294.29	20.36	249.53	-60.96	9.13	-188.25	971.78	707.95	263.83	3.683		
6,500.00	6,394.29	6,394.29	6,394.29	20.50	253.53	-60.96	9.13	-188.25	971.78	703.75	268.03	3.626		
6,600.00	6,494.29	6,494.29	6,494.29	20.64	257.53	-60.96	9.13	-188.25	971.78	699.55	272.22	3.570		
6,700.00	6,594.29	6,594.29	6,594.29	20.79	261.53	-60.96	9.13	-188.25	971.78	695.36	276.42	3.516		
6,800.00	6,694.29	6,694.29	6,694.29	20.94	265.53	-60.96	9.13	-188.25	971.78	691.16	280.62	3.463		
6,900.00	6,794.29	6,794.29	6,794.29	21.08	269.53	-60.96	9.13	-188.25	971.78	686.96	284.82	3.412		
7,000.00	6,894.29	6,894.29	6,894.29	21.23	273.53	-60.96	9.13	-188.25	971.78	682.76	289.02	3.362		
7,100.00	6,994.29	6,994.29	6,994.29	21.38	277.53	-60.96	9.13	-188.25	971.78	678.56	293.22	3.314		
7,200.00	7,094.29	7,094.29	7,094.29	21.53	281.53	-60.96	9.13	-188.25	971.78	674.36	297.42	3.267		
7,300.00	7,194.29	7,194.29	7,194.29	21.69	285.53	-60.96	9.13	-188.25	971.78	670.16	301.62	3.222		
7,400.00	7,294.29	7,294.29	7,294.29	21.84	289.53	-60.96	9.13	-188.25	971.78	665.96	305.82	3.178		
7,500.00	7,394.29	7,394.29	7,394.29	22.00	293.53	-60.96	9.13	-188.25	971.78	661.76	310.02	3.135		
7,600.00	7,494.29	7,494.29	7,494.29	22.15	297.53	-60.96	9.13	-188.25	971.78	657.55	314.23	3.093		
7,700.00	7,594.29	7,594.29	7,594.29	22.31	301.53	-60.96	9.13	-188.25	971.78	653.35	318.43	3.052		
7,800.00	7,694.29	7,694.29	7,694.29	22.47	305.53	-60.96	9.13	-188.25	971.78	649.14	322.63	3.012		
7,900.00	7,794.29	7,794.29	7,794.29	22.63	309.53	-60.96	9.13	-188.25	971.78	644.94	326.84	2.973		
8,000.00	7,894.29	7,894.29	7,894.29	22.79	313.53	-60.96	9.13	-188.25	971.78	640.73	331.04	2.935		
8,100.00	7,994.29	7,994.29	7,994.29	22.96	317.53	-60.96	9.13	-188.25	971.78	636.53	335.25	2.899		
8,200.00	8,094.29	8,094.29	8,094.29	23.12	321.53	-60.96	9.13	-188.25	971.78	632.32	339.46	2.863		
8,300.00	8,194.29	8,194.29	8,194.29	23.28	325.53	-60.96	9.13	-188.25	971.78	628.12	343.66	2.828		
8,400.00	8,294.29	8,294.29	8,294.29	23.45	329.53	-60.96	9.13	-188.25	971.78	623.91	347.87	2.794		
8,500.00	8,394.29	8,394.29	8,394.29	23.62	333.53	-60.96	9.13	-188.25	971.78	619.70	352.08	2.760		
8,608.71	8,503.00	8,503.00	8,503.00	23.80	337.88	-60.96	9.13	-188.25	971.78	615.13	356.65	2.725 SF		



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	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	-96.91	-24.00	-197.91	199.36				
100.00	100.00	100.00	100.00	0.10	0.10	-96.91	-24.00	-197.91	199.36	199.17	0.19	1,025.408	
200.00	200.00	200.00	200.00	0.32	0.32	-96.91	-24.00	-197.91	199.36	198.72	0.64	309.591	
300.00	300.00	300.00	300.00	0.55	0.55	-96.91	-24.00	-197.91	199.36	198.27	1.09	182.318	
400.00	400.00	400.00	400.00	0.77	0.77	-96.91	-24.00	-197.91	199.36	197.82	1.54	129.203	
500.00	500.00	500.00	500.00	0.99	1.00	-96.91	-24.00	-197.91	199.36	197.37	1.99	100.054	
600.00	600.00	600.00	600.00	1.22	1.22	-96.91	-24.00	-197.91	199.36	196.92	2.44	81.636	
700.00	700.00	700.00	700.00	1.44	1.45	-96.91	-24.00	-197.91	199.36	196.47	2.89	68.945	
800.00	800.00	800.00	800.00	1.67	1.67	-96.91	-24.00	-197.91	199.36	196.02	3.34	59.669	
900.00	900.00	900.00	900.00	1.89	1.90	-96.91	-24.00	-197.91	199.36	195.57	3.79	52.593	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-96.91	-24.00	-197.91	199.36	195.12	4.24	47.017	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.35	-96.91	-24.00	-197.91	199.36	194.67	4.69	42.510	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	-96.91	-24.00	-197.91	199.36	194.22	5.14	38.792	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.80	-96.91	-24.00	-197.91	199.36	193.77	5.59	35.672	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	-96.91	-24.00	-197.91	199.36	193.32	6.04	33.016 CC, ES	
1,500.00	1,499.98	1,499.98	1,499.98	3.22	3.25	138.43	-24.00	-197.91	200.67	194.20	6.46	31.048	
1,600.00	1,599.84	1,597.17	1,597.15	3.41	3.46	139.74	-22.54	-198.68	205.26	198.40	6.86	29.937	
1,700.00	1,699.45	1,693.40	1,693.25	3.61	3.68	142.30	-18.23	-200.96	214.11	206.87	7.25	29.547 SF	
1,800.00	1,798.70	1,788.04	1,787.55	3.83	3.89	145.75	-11.20	-204.67	227.84	220.21	7.63	29.844	
1,900.00	1,897.47	1,880.52	1,879.40	4.08	4.11	149.69	-1.69	-209.70	247.13	239.11	8.02	30.817	
2,000.00	1,995.62	1,970.32	1,968.21	4.36	4.34	153.75	10.06	-215.91	272.51	264.12	8.40	32.451	
2,100.00	2,093.06	2,056.99	2,053.49	4.69	4.58	157.64	23.73	-223.14	304.29	295.52	8.77	34.709	
2,200.00	2,189.64	2,140.14	2,134.83	5.07	4.83	161.18	38.97	-231.19	342.49	333.36	9.12	37.539	
2,226.79	2,215.36	2,161.78	2,155.91	5.19	4.90	162.06	43.28	-233.47	353.79	344.58	9.22	38.387	
2,300.00	2,285.54	2,219.88	2,212.33	5.51	5.10	164.50	55.55	-239.96	386.13	376.61	9.52	40.553	
2,400.00	2,381.41	2,299.83	2,289.51	5.98	5.39	167.48	73.99	-249.70	432.79	422.85	9.95	43.509	
2,500.00	2,477.27	2,385.44	2,372.01	6.47	5.74	170.14	94.22	-260.39	480.84	470.45	10.40	46.251	
2,600.00	2,573.13	2,471.05	2,454.51	6.98	6.10	172.33	114.44	-271.08	529.58	518.73	10.85	48.798	
2,700.00	2,669.00	2,556.67	2,537.00	7.50	6.47	174.16	134.67	-281.77	578.83	567.51	11.32	51.155	
2,800.00	2,764.86	2,642.28	2,619.50	8.04	6.86	175.72	154.90	-292.46	628.46	616.68	11.78	53.331	
2,900.00	2,860.73	2,727.89	2,702.00	8.58	7.25	177.05	175.12	-303.16	678.40	666.15	12.26	55.339	
3,000.00	2,956.59	2,813.50	2,784.50	9.13	7.66	178.20	195.35	-313.85	728.59	715.85	12.74	57.191	
3,100.00	3,052.46	2,899.11	2,866.99	9.69	8.07	179.20	215.58	-324.54	778.97	765.74	13.23	58.901	
3,200.00	3,148.32	2,984.72	2,949.49	10.26	8.49	-179.91	235.80	-335.23	829.51	815.79	13.72	60.476	
3,300.00	3,244.18	3,070.33	3,031.99	10.82	8.91	-179.13	256.03	-345.92	880.18	865.97	14.21	61.934	
3,400.00	3,340.05	3,155.94	3,114.48	11.40	9.34	-178.43	276.26	-356.61	930.96	916.25	14.71	63.285	
3,500.00	3,435.91	3,241.55	3,196.98	11.97	9.77	-177.80	296.49	-367.30	981.84	966.63	15.21	64.539	
3,600.00	3,531.78	3,327.16	3,279.48	12.55	10.21	-177.23	316.71	-377.99	1,032.80	1,017.08	15.72	65.704	
3,700.00	3,627.64	3,412.77	3,361.98	13.13	10.64	-176.72	336.94	-388.68	1,083.82	1,067.59	16.23	66.788	
3,800.00	3,723.50	3,498.39	3,444.47	13.71	11.09	-176.25	357.17	-399.37	1,134.91	1,118.17	16.74	67.799	
3,900.00	3,819.37	3,584.00	3,526.97	14.30	11.53	-175.82	377.39	-410.06	1,186.04	1,168.79	17.25	68.741	
4,000.00	3,915.23	3,669.61	3,609.47	14.88	11.98	-175.43	397.62	-420.75	1,237.22	1,219.45	17.77	69.622	
4,100.00	4,011.10	3,755.22	3,691.96	15.47	12.42	-175.07	417.85	-431.44	1,288.44	1,270.15	18.29	70.448	
4,200.00	4,106.96	3,840.83	3,774.46	16.06	12.87	-174.73	438.07	-442.14	1,339.70	1,320.89	18.81	71.222	
4,229.91	4,135.64	3,866.44	3,799.14	16.23	13.01	-174.64	444.12	-445.33	1,355.04	1,336.07	18.97	71.445	
4,300.00	4,203.06	3,926.86	3,857.37	16.59	13.33	-174.50	458.40	-452.88	1,390.25	1,370.81	19.44	71.527	
4,400.00	4,300.03	4,014.50	3,941.82	16.99	13.79	-174.30	479.11	-463.82	1,437.94	1,417.86	20.08	71.611	
4,500.00	4,397.79	4,103.71	4,027.78	17.35	14.26	-174.10	500.18	-474.96	1,482.58	1,461.88	20.70	71.617	
4,600.00	4,496.23	4,194.38	4,115.15	17.68	14.74	-173.89	521.61	-486.29	1,524.13	1,502.83	21.30	71.555	
4,700.00	4,595.22	4,286.40	4,203.83	17.96	15.23	-173.68	543.35	-497.78	1,562.52	1,540.65	21.87	71.436	
4,800.00	4,694.64	4,379.67	4,293.71	18.19	15.73	-173.46	565.38	-509.42	1,597.73	1,575.32	22.42	71.268	
4,900.00	4,794.37	4,474.06	4,384.67	18.39	16.24	-173.24	587.69	-521.21	1,629.72	1,606.78	22.94	71.057	

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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	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	4,894.30	4,569.47	4,476.60	18.54	16.75	-173.00	610.23	-533.13	1,658.44	1,635.02	23.42	70.808	
5,056.71	4,951.00	4,623.98	4,529.13	18.61	17.04	-47.89	623.11	-539.93	1,673.27	1,649.58	23.68	70.650	
5,100.00	4,994.29	4,665.70	4,569.33	18.66	17.27	-47.76	632.96	-545.14	1,684.19	1,660.30	23.89	70.509	
5,200.00	5,094.29	4,762.06	4,662.19	18.78	17.78	-47.45	655.73	-557.18	1,709.44	1,685.09	24.36	70.186	
5,300.00	5,194.29	4,858.42	4,755.05	18.90	18.30	-47.16	678.50	-569.21	1,734.74	1,709.91	24.83	69.874	
5,400.00	5,294.29	4,954.79	4,847.90	19.02	18.82	-46.87	701.27	-581.24	1,760.08	1,734.78	25.30	69.573	
5,500.00	5,394.29	5,051.15	4,940.76	19.15	19.34	-46.60	724.03	-593.28	1,785.46	1,759.69	25.77	69.284	
5,600.00	5,494.29	5,147.51	5,033.62	19.28	19.86	-46.32	746.80	-605.31	1,810.89	1,784.64	26.24	69.005	
5,700.00	5,594.29	5,308.20	5,188.96	19.41	20.64	-45.91	783.11	-624.50	1,835.62	1,808.75	26.87	68.308	
5,800.00	5,694.29	5,562.77	5,438.90	19.54	21.48	-45.45	825.46	-646.88	1,853.59	1,825.97	27.62	67.099	
5,900.00	5,794.29	5,824.11	5,698.86	19.67	22.07	-45.20	848.35	-658.98	1,863.06	1,834.76	28.31	65.817	
6,000.00	5,894.29	6,019.62	5,894.29	19.80	22.34	-45.17	852.00	-660.91	1,864.56	1,835.74	28.82	64.703	
6,100.00	5,994.29	6,119.62	5,994.29	19.94	22.46	-45.17	852.00	-660.91	1,864.56	1,835.37	29.19	63.876	
6,200.00	6,094.29	6,219.62	6,094.29	20.08	22.59	-45.17	852.00	-660.91	1,864.56	1,834.99	29.57	63.066	
6,300.00	6,194.29	6,319.62	6,194.29	20.22	22.72	-45.17	852.00	-660.91	1,864.56	1,834.61	29.94	62.271	
6,400.00	6,294.29	6,419.62	6,294.29	20.36	22.85	-45.17	852.00	-660.91	1,864.56	1,834.24	30.32	61.493	
6,500.00	6,394.29	6,519.62	6,394.29	20.50	22.98	-45.17	852.00	-660.91	1,864.56	1,833.85	30.70	60.730	
6,600.00	6,494.29	6,619.62	6,494.29	20.64	23.11	-45.17	852.00	-660.91	1,864.56	1,833.47	31.09	59.982	
6,700.00	6,594.29	6,719.62	6,594.29	20.79	23.24	-45.17	852.00	-660.91	1,864.56	1,833.09	31.47	59.249	
6,800.00	6,694.29	6,819.62	6,694.29	20.94	23.38	-45.17	852.00	-660.91	1,864.56	1,832.70	31.86	58.530	
6,900.00	6,794.29	6,919.62	6,794.29	21.08	23.52	-45.17	852.00	-660.91	1,864.56	1,832.31	32.24	57.826	
7,000.00	6,894.29	7,019.62	6,894.29	21.23	23.65	-45.17	852.00	-660.91	1,864.56	1,831.92	32.63	57.136	
7,100.00	6,994.29	7,119.62	6,994.29	21.38	23.79	-45.17	852.00	-660.91	1,864.56	1,831.53	33.02	56.460	
7,200.00	7,094.29	7,219.62	7,094.29	21.53	23.93	-45.17	852.00	-660.91	1,864.56	1,831.14	33.42	55.797	
7,300.00	7,194.29	7,319.62	7,194.29	21.69	24.08	-45.17	852.00	-660.91	1,864.56	1,830.75	33.81	55.147	
7,400.00	7,294.29	7,419.62	7,294.29	21.84	24.22	-45.17	852.00	-660.91	1,864.56	1,830.35	34.21	54.509	
7,500.00	7,394.29	7,519.62	7,394.29	22.00	24.36	-45.17	852.00	-660.91	1,864.56	1,829.95	34.60	53.885	
7,600.00	7,494.29	7,619.62	7,494.29	22.15	24.51	-45.17	852.00	-660.91	1,864.56	1,829.56	35.00	53.272	
7,700.00	7,594.29	7,625.32	7,500.00	22.31	24.52	-45.17	852.00	-660.91	1,866.94	1,831.73	35.22	53.015	
7,800.00	7,694.29	7,625.32	7,500.00	22.47	24.52	-45.17	852.00	-660.91	1,874.65	1,839.23	35.42	52.928	
7,900.00	7,794.29	7,625.32	7,500.00	22.63	24.52	-45.17	852.00	-660.91	1,887.64	1,852.02	35.62	52.989	
8,000.00	7,894.29	7,625.32	7,500.00	22.79	24.52	-45.17	852.00	-660.91	1,905.79	1,869.96	35.83	53.192	
8,100.00	7,994.29	7,625.32	7,500.00	22.96	24.52	-45.17	852.00	-660.91	1,928.96	1,892.93	36.03	53.532	
8,200.00	8,094.29	7,625.32	7,500.00	23.12	24.52	-45.17	852.00	-660.91	1,956.98	1,920.74	36.24	54.001	
8,300.00	8,194.29	7,625.32	7,500.00	23.28	24.52	-45.17	852.00	-660.91	1,989.63	1,953.18	36.45	54.591	
8,400.00	8,294.29	7,625.32	7,500.00	23.45	24.52	-45.17	852.00	-660.91	2,026.69	1,990.04	36.65	55.294	
8,500.00	8,394.29	7,625.32	7,500.00	23.62	24.52	-45.17	852.00	-660.91	2,067.93	2,031.07	36.86	56.102	
8,608.71	8,503.00	7,625.32	7,500.00	23.80	24.52	-45.17	852.00	-660.91	2,117.21	2,080.13	37.09	57.089	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-14.56	0.00	14.56				
100.00	100.00	100.00	100.00	0.10	0.10	180.00	-14.56	0.00	14.56	14.37	0.19	76.201	
200.00	200.00	200.00	200.00	0.32	0.32	180.00	-14.56	0.00	14.56	13.92	0.64	22.727	
300.00	300.00	300.00	300.00	0.55	0.55	180.00	-14.56	0.00	14.56	13.47	1.09	13.355	
400.00	400.00	400.00	400.00	0.77	0.77	180.00	-14.56	0.00	14.56	13.02	1.54	9.456	
500.00	500.00	500.00	500.00	0.99	0.99	180.00	-14.56	0.00	14.56	12.57	1.99	7.319	
600.00	600.00	600.00	600.00	1.22	1.22	180.00	-14.56	0.00	14.56	12.12	2.44	5.970	
700.00	700.00	700.00	700.00	1.44	1.44	180.00	-14.56	0.00	14.56	11.67	2.89	5.041	
800.00	800.00	800.00	800.00	1.67	1.67	180.00	-14.56	0.00	14.56	11.22	3.34	4.362	
900.00	900.00	900.00	900.00	1.89	1.89	180.00	-14.56	0.00	14.56	10.77	3.79	3.844	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	180.00	-14.56	0.00	14.56	10.32	4.24	3.436	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	180.00	-14.56	0.00	14.56	9.87	4.69	3.107	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	180.00	-14.56	0.00	14.56	9.42	5.14	2.835	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	180.00	-14.56	0.00	14.56	8.97	5.59	2.606	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	180.00	-14.56	0.00	14.56	8.52	6.03	2.412 CC, ES	
1,500.00	1,499.98	1,499.52	1,499.50	3.22	3.21	58.08	-16.18	0.61	15.20	8.77	6.43	2.363 SF	
1,600.00	1,599.84	1,598.97	1,598.81	3.41	3.39	65.77	-21.02	2.44	17.36	10.57	6.79	2.556	
1,700.00	1,699.45	1,698.30	1,697.76	3.61	3.57	74.83	-29.07	5.48	21.46	14.28	7.18	2.989	
1,800.00	1,798.70	1,797.44	1,796.17	3.83	3.78	82.71	-40.31	9.72	27.76	20.16	7.60	3.653	
1,900.00	1,897.47	1,896.34	1,893.86	4.08	4.01	88.64	-54.68	15.15	36.31	28.24	8.07	4.500	
2,000.00	1,995.62	1,994.94	1,990.67	4.36	4.27	92.86	-72.15	21.74	47.05	38.44	8.61	5.466	
2,100.00	2,093.06	2,093.18	2,086.44	4.69	4.58	95.82	-92.64	29.47	59.90	50.67	9.23	6.491	
2,200.00	2,189.64	2,191.01	2,181.00	5.07	4.94	97.90	-116.08	38.32	74.81	64.86	9.95	7.520	
2,226.79	2,215.36	2,217.15	2,206.11	5.19	5.05	98.35	-122.85	40.88	79.14	68.98	10.16	7.789	
2,300.00	2,285.54	2,288.42	2,274.25	5.51	5.35	99.05	-142.41	48.26	91.56	80.79	10.77	8.501	
2,400.00	2,381.41	2,385.36	2,366.04	5.98	5.83	98.36	-171.54	59.26	109.71	98.04	11.67	9.402	
2,500.00	2,477.27	2,481.62	2,456.11	6.47	6.36	96.53	-203.33	71.26	129.30	116.68	12.62	10.244	
2,600.00	2,573.13	2,577.00	2,544.17	6.98	6.96	94.09	-237.60	84.20	150.54	136.93	13.62	11.055	
2,700.00	2,669.00	2,673.09	2,631.85	7.50	7.61	91.47	-274.37	98.08	173.35	158.71	14.64	11.842	
2,800.00	2,764.86	2,770.14	2,720.31	8.04	8.30	89.37	-311.72	112.18	196.57	180.89	15.68	12.536	
2,900.00	2,860.73	2,867.18	2,808.76	8.58	9.01	87.71	-349.07	126.28	219.98	203.25	16.73	13.145	
3,000.00	2,956.59	2,964.23	2,897.21	9.13	9.74	86.38	-386.42	140.38	243.54	225.74	17.80	13.682	
3,100.00	3,052.46	3,061.27	2,985.66	9.69	10.48	85.28	-423.76	154.47	267.20	248.32	18.87	14.156	
3,200.00	3,148.32	3,158.31	3,074.12	10.26	11.22	84.36	-461.11	168.57	290.93	270.97	19.97	14.571	
3,300.00	3,244.18	3,255.36	3,162.57	10.82	11.98	83.57	-498.46	182.67	314.73	293.66	21.06	14.941	
3,400.00	3,340.05	3,352.40	3,251.02	11.40	12.74	82.90	-535.81	196.77	338.57	316.40	22.17	15.272	
3,500.00	3,435.91	3,449.45	3,339.48	11.97	13.51	82.32	-573.15	210.87	362.46	339.18	23.28	15.569	
3,600.00	3,531.78	3,546.49	3,427.93	12.55	14.28	81.80	-610.50	224.97	386.37	361.97	24.40	15.838	
3,700.00	3,627.64	3,643.54	3,516.38	13.13	15.06	81.35	-647.85	239.07	410.31	384.79	25.52	16.081	
3,800.00	3,723.50	3,740.58	3,604.83	13.71	15.83	80.95	-685.20	253.17	434.27	407.63	26.64	16.302	
3,900.00	3,819.37	3,837.62	3,693.29	14.30	16.62	80.59	-722.55	267.27	458.25	430.49	27.77	16.504	
4,000.00	3,915.23	3,934.67	3,781.74	14.88	17.40	80.26	-759.89	281.36	482.25	453.35	28.89	16.690	
4,100.00	4,011.10	4,031.71	3,870.19	15.47	18.19	79.97	-797.24	295.46	506.25	476.23	30.03	16.860	
4,200.00	4,106.96	4,128.76	3,958.65	16.06	18.97	79.70	-834.59	309.56	530.27	499.11	31.16	17.017	
4,229.91	4,135.64	4,157.78	3,985.10	16.23	19.21	79.63	-845.76	313.78	537.46	505.96	31.50	17.062	
4,300.00	4,203.06	4,225.74	4,047.04	16.59	19.76	79.71	-871.91	323.65	554.45	522.18	32.27	17.179	
4,400.00	4,300.03	4,322.41	4,135.16	16.99	20.55	79.58	-909.12	337.70	579.25	546.02	33.23	17.432	
4,500.00	4,397.79	4,418.66	4,222.88	17.35	21.34	79.18	-946.16	351.68	604.77	570.68	34.09	17.741	
4,600.00	4,496.23	4,514.35	4,310.11	17.68	22.12	78.56	-982.99	365.58	631.11	596.26	34.85	18.111	
4,700.00	4,595.22	4,609.39	4,396.73	17.96	22.90	77.75	-1,019.56	379.39	658.41	622.91	35.50	18.544	
4,800.00	4,694.64	4,703.64	4,482.63	18.19	23.67	76.79	-1,055.84	393.08	686.83	650.76	36.06	19.046	
4,900.00	4,794.37	4,796.99	4,567.72	18.39	24.44	75.72	-1,091.76	406.64	716.52	680.00	36.52	19.619	

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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	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	4,894.30	4,889.33	4,651.89	18.54	25.19	74.56	-1,127.30	420.06	747.67	710.78	36.89	20.269	
5,056.71	4,951.00	4,941.21	4,699.17	18.61	25.62	-161.15	-1,147.27	427.60	766.04	728.99	37.05	20.674	
5,100.00	4,994.29	4,980.67	4,735.14	18.66	25.94	-161.95	-1,162.45	433.33	780.35	743.24	37.10	21.032	
5,200.00	5,094.29	5,071.81	4,818.22	18.78	26.69	-163.71	-1,197.53	446.57	813.92	776.70	37.22	21.868	
5,300.00	5,194.29	5,162.96	4,901.29	18.90	27.44	-165.33	-1,232.61	459.81	848.16	810.81	37.34	22.712	
5,400.00	5,294.29	5,254.11	4,984.37	19.02	28.19	-166.84	-1,267.69	473.06	882.99	845.51	37.48	23.560	
5,500.00	5,394.29	5,345.26	5,067.45	19.15	28.95	-168.23	-1,302.77	486.30	918.34	880.71	37.62	24.408	
5,600.00	5,494.29	5,436.40	5,150.53	19.28	29.70	-169.53	-1,337.85	499.54	954.15	916.37	37.78	25.254	
5,700.00	5,594.29	5,527.55	5,233.61	19.41	30.45	-170.73	-1,372.92	512.78	990.38	952.43	37.95	26.096	
5,800.00	5,694.29	5,618.70	5,316.68	19.54	31.20	-171.85	-1,408.00	526.02	1,026.97	988.84	38.14	26.930	
5,900.00	5,794.29	5,709.84	5,399.76	19.67	31.95	-172.90	-1,443.08	539.27	1,063.90	1,025.57	38.33	27.755	
6,000.00	5,894.29	5,800.99	5,482.84	19.80	32.71	-173.88	-1,478.16	552.51	1,101.13	1,062.59	38.54	28.570	
6,100.00	5,994.29	5,892.14	5,565.92	19.94	33.46	-174.80	-1,513.24	565.75	1,138.63	1,099.86	38.76	29.373	
6,200.00	6,094.29	6,001.58	5,665.84	20.08	34.30	-175.82	-1,555.01	581.52	1,176.13	1,137.13	39.00	30.156	
6,300.00	6,194.29	6,152.38	5,805.82	20.22	35.15	-177.00	-1,607.43	601.31	1,210.43	1,171.19	39.24	30.850	
6,400.00	6,294.29	6,309.28	5,954.39	20.36	35.94	-177.97	-1,654.57	619.10	1,240.20	1,200.68	39.52	31.378	
6,500.00	6,394.29	6,471.67	6,110.82	20.50	36.64	-178.75	-1,695.28	634.47	1,265.13	1,225.28	39.85	31.746	
6,600.00	6,494.29	6,638.75	6,274.07	20.64	37.23	-179.35	-1,728.44	646.99	1,284.93	1,244.72	40.21	31.957	
6,700.00	6,594.29	6,809.55	6,442.80	20.79	37.71	-179.78	-1,753.08	656.29	1,299.34	1,258.76	40.58	32.016	
6,800.00	6,694.29	6,982.94	6,615.39	20.94	38.05	-179.97	-1,768.42	662.08	1,308.20	1,267.23	40.96	31.935	
6,900.00	6,794.29	7,157.69	6,790.01	21.08	38.26	-179.88	-1,773.98	664.18	1,311.38	1,270.03	41.35	31.715	
7,000.00	6,894.29	7,261.97	6,894.29	21.23	38.34	-179.88	-1,773.99	664.19	1,311.39	1,269.74	41.65	31.489	
7,100.00	6,994.29	7,361.97	6,994.29	21.38	38.41	-179.88	-1,773.99	664.19	1,311.39	1,269.45	41.94	31.269	
7,200.00	7,094.29	7,461.97	7,094.29	21.53	38.48	-179.88	-1,773.99	664.19	1,311.39	1,269.16	42.23	31.051	
7,300.00	7,194.29	7,561.97	7,194.29	21.69	38.56	-179.88	-1,773.99	664.19	1,311.39	1,268.86	42.53	30.833	
7,400.00	7,294.29	7,661.97	7,294.29	21.84	38.63	-179.88	-1,773.99	664.19	1,311.39	1,268.56	42.83	30.617	
7,500.00	7,394.29	7,761.97	7,394.29	22.00	38.71	-179.88	-1,773.99	664.19	1,311.39	1,268.25	43.14	30.401	
7,600.00	7,494.29	7,861.97	7,494.29	22.15	38.79	-179.88	-1,773.99	664.19	1,311.39	1,267.95	43.44	30.188	
7,700.00	7,594.29	7,961.97	7,594.29	22.31	38.87	-179.88	-1,773.99	664.19	1,311.39	1,267.64	43.75	29.975	
7,800.00	7,694.29	8,061.97	7,694.29	22.47	38.95	-179.88	-1,773.99	664.19	1,311.39	1,267.33	44.06	29.764	
7,900.00	7,794.29	8,161.97	7,794.29	22.63	39.03	-179.88	-1,773.99	664.19	1,311.39	1,267.02	44.37	29.554	
8,000.00	7,894.29	8,261.97	7,894.29	22.79	39.11	-179.88	-1,773.99	664.19	1,311.39	1,266.70	44.69	29.346	
8,100.00	7,994.29	8,361.97	7,994.29	22.96	39.20	-179.88	-1,773.99	664.19	1,311.39	1,266.38	45.01	29.139	
8,200.00	8,094.29	8,461.97	8,094.29	23.12	39.28	-179.88	-1,773.99	664.19	1,311.39	1,266.06	45.32	28.933	
8,300.00	8,194.29	8,561.97	8,194.29	23.28	39.37	-179.88	-1,773.99	664.19	1,311.39	1,265.74	45.65	28.729	
8,400.00	8,294.29	8,661.97	8,294.29	23.45	39.46	-179.88	-1,773.99	664.19	1,311.39	1,265.42	45.97	28.527	
8,500.00	8,394.29	8,761.97	8,394.29	23.62	39.55	-179.88	-1,773.99	664.19	1,311.39	1,265.09	46.30	28.326	
8,570.72	8,465.02	8,832.70	8,465.02	23.73	39.61	-179.88	-1,773.99	664.19	1,311.39	1,264.86	46.53	28.185	
8,608.71	8,503.00	8,865.68	8,498.00	23.80	39.64	-179.88	-1,773.99	664.19	1,311.40	1,264.75	46.64	28.115	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-29.14	0.00	29.14				
100.00	100.00	100.00	100.00	0.10	0.10	180.00	-29.14	0.00	29.14	28.95	0.19	152.512	
200.00	200.00	200.00	200.00	0.32	0.32	180.00	-29.14	0.00	29.14	28.50	0.64	45.486	
300.00	300.00	300.00	300.00	0.55	0.55	180.00	-29.14	0.00	29.14	28.05	1.09	26.729	
400.00	400.00	400.00	400.00	0.77	0.77	180.00	-29.14	0.00	29.14	27.60	1.54	18.925	
500.00	500.00	500.00	500.00	0.99	0.99	180.00	-29.14	0.00	29.14	27.15	1.99	14.648	
600.00	600.00	600.00	600.00	1.22	1.22	180.00	-29.14	0.00	29.14	26.70	2.44	11.948	
700.00	700.00	700.00	700.00	1.44	1.44	180.00	-29.14	0.00	29.14	26.25	2.89	10.088	
800.00	800.00	800.00	800.00	1.67	1.67	180.00	-29.14	0.00	29.14	25.80	3.34	8.730	
900.00	900.00	900.00	900.00	1.89	1.89	180.00	-29.14	0.00	29.14	25.35	3.79	7.694	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	180.00	-29.14	0.00	29.14	24.90	4.24	6.877	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	180.00	-29.14	0.00	29.14	24.45	4.69	6.218	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	180.00	-29.14	0.00	29.14	24.00	5.14	5.673	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	180.00	-29.14	0.00	29.14	23.55	5.59	5.217	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	180.00	-29.14	0.00	29.14	23.10	6.03	4.828 CC, ES	
1,500.00	1,499.98	1,499.01	1,498.99	3.22	3.21	58.88	-30.74	-0.59	29.83	23.39	6.43	4.637 SF	
1,600.00	1,599.84	1,597.76	1,597.60	3.41	3.39	69.20	-35.54	-2.37	32.63	25.84	6.79	4.805	
1,700.00	1,699.45	1,695.97	1,695.45	3.61	3.57	82.25	-43.46	-5.31	39.17	32.00	7.17	5.463	
1,800.00	1,798.70	1,793.41	1,792.17	3.83	3.76	93.90	-54.43	-9.37	50.58	43.01	7.57	6.682	
1,900.00	1,897.47	1,889.82	1,887.44	4.08	3.99	102.51	-68.31	-14.51	67.07	59.07	8.00	8.381	
2,000.00	1,995.62	1,984.98	1,980.92	4.36	4.24	108.41	-84.95	-20.67	88.34	79.86	8.48	10.421	
2,100.00	2,093.06	2,078.67	2,072.34	4.69	4.52	112.38	-104.17	-27.79	114.05	105.05	9.01	12.664	
2,200.00	2,189.64	2,170.70	2,161.44	5.07	4.85	115.07	-125.77	-35.79	143.94	134.34	9.60	14.993	
2,226.79	2,215.36	2,195.06	2,184.89	5.19	4.94	115.62	-131.93	-38.07	152.63	142.86	9.77	15.623	
2,300.00	2,285.54	2,261.09	2,248.18	5.51	5.21	117.09	-149.58	-44.61	177.39	167.11	10.27	17.265	
2,400.00	2,381.41	2,350.16	2,332.84	5.98	5.62	118.04	-175.55	-54.23	213.10	202.10	11.01	19.361	
2,500.00	2,477.27	2,437.81	2,415.26	6.47	6.08	118.23	-203.50	-64.58	250.85	239.06	11.79	21.280	
2,600.00	2,573.13	2,523.90	2,495.29	6.98	6.57	117.97	-233.24	-75.59	290.55	277.94	12.61	23.039	
2,700.00	2,669.00	2,608.32	2,572.81	7.50	7.10	117.43	-264.58	-87.20	332.18	318.71	13.47	24.666	
2,800.00	2,764.86	2,698.19	2,654.73	8.04	7.71	116.80	-299.23	-100.03	374.90	360.52	14.38	26.068	
2,900.00	2,860.73	2,788.53	2,737.08	8.58	8.35	116.29	-334.07	-112.94	417.66	402.34	15.32	27.262	
3,000.00	2,956.59	2,878.87	2,819.43	9.13	8.99	115.88	-368.91	-125.84	460.44	444.16	16.27	28.292	
3,100.00	3,052.46	2,969.22	2,901.78	9.69	9.65	115.54	-403.75	-138.74	503.23	485.99	17.24	29.186	
3,200.00	3,148.32	3,059.56	2,984.13	10.26	10.33	115.25	-438.59	-151.65	546.04	527.82	18.22	29.966	
3,300.00	3,244.18	3,149.90	3,066.48	10.82	11.00	115.01	-473.43	-164.55	588.86	569.65	19.21	30.651	
3,400.00	3,340.05	3,240.25	3,148.83	11.40	11.69	114.79	-508.27	-177.45	631.68	611.47	20.21	31.257	
3,500.00	3,435.91	3,330.59	3,231.18	11.97	12.38	114.61	-543.11	-190.36	674.51	653.30	21.21	31.795	
3,600.00	3,531.78	3,420.93	3,313.53	12.55	13.08	114.45	-577.95	-203.26	717.35	695.12	22.23	32.276	
3,700.00	3,627.64	3,511.28	3,395.88	13.13	13.78	114.30	-612.78	-216.16	760.19	736.95	23.24	32.708	
3,800.00	3,723.50	3,601.62	3,478.23	13.71	14.48	114.17	-647.62	-229.06	803.03	778.77	24.26	33.099	
3,900.00	3,819.37	3,691.96	3,560.58	14.30	15.19	114.05	-682.46	-241.97	845.88	820.59	25.29	33.452	
4,000.00	3,915.23	3,782.30	3,642.93	14.88	15.90	113.95	-717.30	-254.87	888.73	862.41	26.31	33.774	
4,100.00	4,011.10	3,872.65	3,725.28	15.47	16.61	113.85	-752.14	-267.77	931.58	904.24	27.34	34.069	
4,200.00	4,106.96	3,962.99	3,807.64	16.06	17.32	113.77	-786.98	-280.68	974.43	946.06	28.38	34.339	
4,229.91	4,135.64	3,990.01	3,832.27	16.23	17.53	113.74	-797.40	-284.54	987.25	958.57	28.69	34.416	
4,300.00	4,203.06	4,053.46	3,890.10	16.59	18.04	114.24	-821.87	-293.60	1,016.97	987.54	29.43	34.550	
4,400.00	4,300.03	4,144.39	3,972.99	16.99	18.76	114.76	-856.94	-306.59	1,058.28	1,027.88	30.40	34.812	
4,500.00	4,397.79	4,235.69	4,056.21	17.35	19.48	115.10	-892.15	-319.63	1,098.30	1,066.98	31.32	35.070	
4,600.00	4,496.23	4,327.25	4,139.67	17.68	20.21	115.27	-927.45	-332.70	1,137.04	1,104.86	32.18	35.332	
4,700.00	4,595.22	4,418.95	4,223.26	17.96	20.94	115.28	-962.82	-345.80	1,174.53	1,141.54	32.99	35.602	
4,800.00	4,694.64	4,510.69	4,306.88	18.19	21.68	115.16	-998.19	-358.90	1,210.82	1,177.08	33.74	35.887	
4,900.00	4,794.37	4,602.35	4,390.43	18.39	22.41	114.91	-1,033.54	-371.99	1,245.99	1,211.57	34.43	36.192	

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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	Offset TVD Reference:	Offset Datum

Offset Design ADAMS_TALON VIEW 7 PAD - P_TALON VIEW 12-9 - P_TALON VIEW 12-9 - PLAN #1 09-01-09 RHS													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,894.30	4,693.82	4,473.81	18.54	23.14	114.56	-1,068.82	-385.06	1,280.12	1,245.07	35.05	36.521		
5,056.71	4,951.00	4,745.57	4,520.97	18.61	23.56	-120.72	-1,088.77	-392.45	1,299.04	1,263.66	35.38	36.718		
5,100.00	4,994.29	4,785.03	4,556.95	18.66	23.87	-121.19	-1,103.99	-398.09	1,313.41	1,277.83	35.58	36.913		
5,200.00	5,094.29	4,876.18	4,640.04	18.78	24.60	-122.24	-1,139.14	-411.11	1,346.93	1,310.88	36.04	37.371		
5,300.00	5,194.29	4,967.33	4,723.12	18.90	25.33	-123.25	-1,174.29	-424.12	1,380.85	1,344.36	36.49	37.842		
5,400.00	5,294.29	5,058.49	4,806.21	19.02	26.07	-124.21	-1,209.45	-437.14	1,415.16	1,378.23	36.93	38.324		
5,500.00	5,394.29	5,149.64	4,889.30	19.15	26.80	-125.13	-1,244.60	-450.16	1,449.82	1,412.47	37.35	38.815		
5,600.00	5,494.29	5,240.79	4,972.39	19.28	27.53	-126.00	-1,279.75	-463.18	1,484.81	1,447.04	37.77	39.313		
5,700.00	5,594.29	5,331.95	5,055.48	19.41	28.27	-126.84	-1,314.90	-476.20	1,520.11	1,481.93	38.18	39.816		
5,800.00	5,694.29	5,423.10	5,138.57	19.54	29.00	-127.64	-1,350.05	-489.22	1,555.70	1,517.12	38.58	40.323		
5,900.00	5,794.29	5,514.25	5,221.66	19.67	29.73	-128.41	-1,385.21	-502.24	1,591.55	1,552.57	38.98	40.831		
6,000.00	5,894.29	5,605.41	5,304.74	19.80	30.47	-129.15	-1,420.36	-515.26	1,627.65	1,588.24	39.41	41.301		
6,100.00	5,994.29	5,696.56	5,387.83	19.94	31.20	-129.85	-1,455.51	-528.28	1,663.99	1,624.15	39.84	41.771		
6,200.00	6,094.29	5,787.71	5,470.92	20.08	31.94	-130.52	-1,490.66	-541.29	1,700.54	1,660.28	40.26	42.238		
6,300.00	6,194.29	5,878.86	5,554.01	20.22	32.67	-131.17	-1,525.81	-554.31	1,737.30	1,696.62	40.68	42.703		
6,400.00	6,294.29	5,969.05	5,636.37	20.36	33.33	-131.93	-1,568.86	-570.26	1,774.15	1,733.00	41.15	43.115		
6,500.00	6,394.29	6,054.75	5,718.53	20.50	34.08	-132.68	-1,614.94	-587.32	1,810.09	1,769.35	41.64	43.589		
6,600.00	6,494.29	6,140.16	5,800.81	20.64	34.83	-133.43	-1,661.02	-604.38	1,846.00	1,805.46	42.13	44.063		
6,700.00	6,594.29	6,225.57	5,882.92	20.79	35.58	-134.18	-1,707.10	-621.43	1,881.12	1,840.57	42.62	44.537		
6,800.00	6,694.29	6,310.98	5,965.03	20.94	36.33	-134.93	-1,753.18	-638.48	1,916.23	1,875.68	43.11	45.011		
6,900.00	6,794.29	6,396.39	6,047.14	21.08	37.08	-135.68	-1,799.26	-655.53	1,951.34	1,910.79	43.60	45.485		
7,000.00	6,894.29	6,481.80	6,129.25	21.23	37.83	-136.43	-1,845.34	-672.58	1,986.45	1,945.90	44.09	45.959		
7,100.00	6,994.29	6,567.21	6,211.36	21.38	38.58	-137.18	-1,891.42	-689.63	2,021.56	1,981.01	44.58	46.433		
7,200.00	7,094.29	6,652.62	6,293.47	21.53	39.33	-137.93	-1,937.50	-706.68	2,056.67	2,016.12	45.07	46.907		
7,300.00	7,194.29	6,738.03	6,375.58	21.69	40.08	-138.68	-1,983.58	-723.73	2,091.78	2,051.23	45.56	47.381		
7,400.00	7,294.29	6,823.44	6,457.69	21.84	40.83	-139.43	-2,029.66	-740.78	2,126.89	2,086.34	46.05	47.855		
7,500.00	7,394.29	6,908.85	6,539.80	22.00	41.58	-140.18	-2,075.74	-757.83	2,161.99	2,121.45	46.54	48.329		
7,600.00	7,494.29	6,994.26	6,621.91	22.15	42.33	-140.93	-2,121.82	-774.88	2,197.10	2,156.56	47.03	48.803		
7,700.00	7,594.29	7,079.67	6,704.02	22.31	43.08	-141.68	-2,167.90	-791.93	2,232.21	2,191.67	47.52	49.277		
7,800.00	7,694.29	7,165.08	6,786.13	22.47	43.83	-142.43	-2,213.98	-808.98	2,267.32	2,226.78	48.01	49.751		
7,900.00	7,794.29	7,250.49	6,868.24	22.63	44.58	-143.18	-2,260.06	-826.03	2,302.43	2,261.89	48.50	50.225		
8,000.00	7,894.29	7,335.90	6,950.35	22.79	45.33	-143.93	-2,306.14	-843.08	2,337.54	2,296.99	49.00	50.699		
8,100.00	7,994.29	7,421.31	7,032.46	22.96	46.08	-144.68	-2,352.22	-860.13	2,372.65	2,332.10	49.49	51.173		
8,200.00	8,094.29	7,506.72	7,114.57	23.12	46.83	-145.43	-2,398.30	-877.18	2,407.76	2,367.21	49.98	51.647		
8,300.00	8,194.29	7,592.13	7,196.68	23.28	47.58	-146.18	-2,444.38	-894.23	2,442.87	2,402.32	50.47	52.121		
8,400.00	8,294.29	7,677.54	7,278.79	23.45	48.33	-146.93	-2,490.46	-911.28	2,477.98	2,437.43	50.96	52.595		
8,500.00	8,394.29	7,762.95	7,360.90	23.62	49.08	-147.68	-2,536.54	-928.33	2,513.09	2,472.54	51.45	53.069		
8,572.13	8,466.43	7,833.89	7,433.01	23.74	49.83	-148.43	-2,582.62	-945.38	2,548.20	2,507.65	51.94	53.543		
8,608.71	8,503.00	7,869.46	7,469.58	23.80	50.00	-148.89	-2,600.00	-950.00	2,560.00	2,520.00	52.00	53.600		



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.57	0.00	14.57				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	14.57	0.00	14.57	14.38	0.19	76.245	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	14.57	0.00	14.57	13.93	0.64	22.740	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	14.57	0.00	14.57	13.48	1.09	13.363	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	14.57	0.00	14.57	13.03	1.54	9.461	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	14.57	0.00	14.57	12.58	1.99	7.323	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	14.57	0.00	14.57	12.13	2.44	5.973	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	14.57	0.00	14.57	11.68	2.89	5.043	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	14.57	0.00	14.57	11.23	3.34	4.364	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	14.57	0.00	14.57	10.78	3.79	3.846	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	14.57	0.00	14.57	10.33	4.24	3.438	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	14.57	0.00	14.57	9.88	4.69	3.108	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	14.57	0.00	14.57	9.43	5.14	2.836	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	14.57	0.00	14.57	8.98	5.59	2.608	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	14.57	0.00	14.57	8.53	6.03	2.414 CC, ES, SF	
1,500.00	1,499.98	1,499.91	1,499.89	3.22	3.23	-123.89	14.83	1.72	15.84	9.38	6.45	2.455	
1,600.00	1,599.84	1,599.71	1,599.55	3.41	3.44	-121.48	15.63	6.88	19.66	12.82	6.84	2.874	
1,700.00	1,699.45	1,699.31	1,698.77	3.61	3.66	-119.02	16.94	15.44	26.08	18.82	7.25	3.595	
1,800.00	1,798.70	1,798.62	1,797.34	3.83	3.89	-117.06	18.78	27.37	35.08	27.38	7.70	4.558	
1,900.00	1,897.47	1,897.53	1,895.03	4.08	4.15	-115.60	21.12	42.59	46.65	38.47	8.18	5.702	
2,000.00	1,995.62	1,995.96	1,991.67	4.36	4.43	-114.52	23.97	61.05	60.77	52.04	8.73	6.964	
2,100.00	2,093.06	2,093.81	2,087.05	4.69	4.76	-113.69	27.29	82.63	77.39	68.04	9.34	8.283	
2,200.00	2,189.64	2,191.00	2,180.99	5.07	5.13	-113.02	31.08	107.25	96.47	86.43	10.05	9.603	
2,226.79	2,215.36	2,216.93	2,205.90	5.19	5.24	-112.86	32.17	114.34	102.00	91.75	10.25	9.949	
2,300.00	2,285.54	2,287.53	2,273.40	5.51	5.56	-112.33	35.32	134.80	117.64	106.79	10.85	10.839	
2,400.00	2,381.41	2,383.41	2,364.21	5.98	6.04	-110.70	40.00	165.19	140.02	128.28	11.75	11.921	
2,500.00	2,477.27	2,478.45	2,453.15	6.47	6.58	-108.47	45.10	198.27	163.75	151.04	12.71	12.884	
2,600.00	2,573.13	2,572.44	2,539.99	6.98	7.18	-105.93	50.57	233.83	189.05	175.32	13.73	13.769	
2,700.00	2,669.00	2,665.85	2,625.08	7.50	7.83	-103.26	56.43	271.89	216.10	201.31	14.79	14.612	
2,800.00	2,764.86	2,761.44	2,711.75	8.04	8.55	-100.91	62.57	311.76	244.03	228.14	15.89	15.356	
2,900.00	2,860.73	2,857.03	2,798.41	8.58	9.29	-99.05	68.71	351.62	272.27	255.26	17.00	16.011	
3,000.00	2,956.59	2,952.62	2,885.08	9.13	10.05	-97.54	74.85	391.48	300.72	282.59	18.13	16.589	
3,100.00	3,052.46	3,048.22	2,971.74	9.69	10.82	-96.28	80.98	431.35	329.33	310.07	19.26	17.100	
3,200.00	3,148.32	3,143.81	3,058.41	10.26	11.60	-95.23	87.12	471.21	358.06	337.66	20.40	17.553	
3,300.00	3,244.18	3,239.40	3,145.08	10.82	12.39	-94.33	93.26	511.07	386.89	365.34	21.54	17.957	
3,400.00	3,340.05	3,334.99	3,231.74	11.40	13.18	-93.56	99.40	550.94	415.79	393.09	22.70	18.319	
3,500.00	3,435.91	3,430.58	3,318.41	11.97	13.98	-92.88	105.54	590.80	444.75	420.90	23.85	18.645	
3,600.00	3,531.78	3,526.17	3,405.07	12.55	14.79	-92.29	111.67	630.67	473.77	448.75	25.02	18.939	
3,700.00	3,627.64	3,621.76	3,491.74	13.13	15.60	-91.77	117.81	670.53	502.82	476.64	26.18	19.205	
3,800.00	3,723.50	3,717.35	3,578.40	13.71	16.42	-91.31	123.95	710.39	531.91	504.56	27.35	19.448	
3,900.00	3,819.37	3,812.95	3,665.07	14.30	17.24	-90.89	130.09	750.26	561.03	532.50	28.52	19.669	
4,000.00	3,915.23	3,908.54	3,751.73	14.88	18.06	-90.51	136.23	790.12	590.17	560.47	29.70	19.872	
4,100.00	4,011.10	4,004.13	3,838.40	15.47	18.88	-90.17	142.36	829.98	619.33	588.46	30.88	20.059	
4,200.00	4,106.96	4,099.72	3,925.06	16.06	19.70	-89.86	148.50	869.85	648.51	616.46	32.05	20.231	
4,229.91	4,135.64	4,128.31	3,950.99	16.23	19.95	-89.77	150.34	881.77	657.24	624.84	32.41	20.280	
4,300.00	4,203.06	4,195.27	4,011.70	16.59	20.53	-89.93	154.64	909.70	677.71	644.48	33.23	20.395	
4,400.00	4,300.03	4,290.63	4,098.15	16.99	21.36	-89.93	160.76	949.46	706.97	672.70	34.27	20.632	
4,500.00	4,397.79	4,385.67	4,184.32	17.35	22.18	-89.70	166.86	989.10	736.33	701.11	35.22	20.904	
4,600.00	4,496.23	4,488.62	4,277.79	17.68	23.03	-89.20	173.43	1,031.72	765.71	729.60	36.10	21.208	
4,700.00	4,595.22	4,606.42	4,386.32	17.96	23.81	-88.49	180.40	1,077.00	793.16	756.33	36.84	21.532	
4,800.00	4,694.64	4,726.51	4,498.78	18.19	24.52	-87.74	186.80	1,118.58	818.13	780.67	37.46	21.841	
4,900.00	4,794.37	4,848.78	4,615.00	18.39	25.16	-86.94	192.58	1,156.09	840.52	802.55	37.98	22.133	

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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	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	4,894.30	4,973.11	4,734.73	18.54	25.75	-86.08	197.67	1,189.17	860.28	821.90	38.38	22.413	
5,056.71	4,951.00	5,044.48	4,804.08	18.61	26.05	39.40	200.23	1,205.83	870.29	831.73	38.56	22.568	
5,100.00	4,994.29	5,099.43	4,857.75	18.66	26.26	39.92	202.03	1,217.49	877.31	838.65	38.66	22.693	
5,200.00	5,094.29	5,228.00	4,984.13	18.78	26.69	40.93	205.62	1,240.78	891.29	852.41	38.88	22.925	
5,300.00	5,194.29	5,358.48	5,113.33	18.90	27.05	41.68	208.37	1,258.67	901.97	862.86	39.11	23.062	
5,400.00	5,294.29	5,490.36	5,244.63	19.02	27.32	42.17	210.24	1,270.82	909.20	869.85	39.36	23.103	
5,500.00	5,394.29	5,623.10	5,377.22	19.15	27.51	42.42	211.19	1,277.01	912.87	873.27	39.61	23.048	
5,600.00	5,494.29	5,740.19	5,494.29	19.28	27.63	42.45	211.32	1,277.82	913.36	873.49	39.87	22.911	
5,700.00	5,594.29	5,840.19	5,594.29	19.41	27.72	42.45	211.32	1,277.82	913.36	873.24	40.12	22.768	
5,800.00	5,694.29	5,940.19	5,694.29	19.54	27.82	42.45	211.32	1,277.82	913.36	872.99	40.37	22.625	
5,900.00	5,794.29	6,040.19	5,794.29	19.67	27.92	42.45	211.32	1,277.82	913.36	872.73	40.63	22.481	
6,000.00	5,894.29	6,140.19	5,894.29	19.80	28.01	42.45	211.32	1,277.82	913.36	872.47	40.89	22.338	
6,100.00	5,994.29	6,240.19	5,994.29	19.94	28.12	42.45	211.32	1,277.82	913.36	872.20	41.15	22.195	
6,200.00	6,094.29	6,340.19	6,094.29	20.08	28.22	42.45	211.32	1,277.82	913.36	871.94	41.42	22.051	
6,300.00	6,194.29	6,440.19	6,194.29	20.22	28.32	42.45	211.32	1,277.82	913.36	871.67	41.69	21.908	
6,400.00	6,294.29	6,540.19	6,294.29	20.36	28.43	42.45	211.32	1,277.82	913.36	871.39	41.96	21.766	
6,500.00	6,394.29	6,640.19	6,394.29	20.50	28.53	42.45	211.32	1,277.82	913.36	871.12	42.24	21.623	
6,600.00	6,494.29	6,740.19	6,494.29	20.64	28.64	42.45	211.32	1,277.82	913.36	870.84	42.52	21.481	
6,700.00	6,594.29	6,840.19	6,594.29	20.79	28.75	42.45	211.32	1,277.82	913.36	870.56	42.80	21.339	
6,800.00	6,694.29	6,940.19	6,694.29	20.94	28.86	42.45	211.32	1,277.82	913.36	870.27	43.09	21.198	
6,900.00	6,794.29	7,040.19	6,794.29	21.08	28.97	42.45	211.32	1,277.82	913.36	869.98	43.37	21.057	
7,000.00	6,894.29	7,140.19	6,894.29	21.23	29.08	42.45	211.32	1,277.82	913.36	869.69	43.67	20.917	
7,100.00	6,994.29	7,240.19	6,994.29	21.38	29.20	42.45	211.32	1,277.82	913.36	869.40	43.96	20.778	
7,200.00	7,094.29	7,340.19	7,094.29	21.53	29.31	42.45	211.32	1,277.82	913.36	869.10	44.25	20.639	
7,300.00	7,194.29	7,440.19	7,194.29	21.69	29.43	42.45	211.32	1,277.82	913.36	868.80	44.55	20.500	
7,400.00	7,294.29	7,540.19	7,294.29	21.84	29.55	42.45	211.32	1,277.82	913.36	868.50	44.85	20.363	
7,500.00	7,394.29	7,640.19	7,394.29	22.00	29.67	42.45	211.32	1,277.82	913.36	868.20	45.16	20.226	
7,600.00	7,494.29	7,740.19	7,494.29	22.15	29.79	42.45	211.32	1,277.82	913.36	867.89	45.46	20.090	
7,700.00	7,594.29	7,840.19	7,594.29	22.31	29.91	42.45	211.32	1,277.82	913.36	867.58	45.77	19.955	
7,800.00	7,694.29	7,940.19	7,694.29	22.47	30.03	42.45	211.32	1,277.82	913.36	867.27	46.08	19.820	
7,900.00	7,794.29	8,040.19	7,794.29	22.63	30.15	42.45	211.32	1,277.82	913.36	866.96	46.40	19.686	
8,000.00	7,894.29	8,140.19	7,894.29	22.79	30.28	42.45	211.32	1,277.82	913.36	866.65	46.71	19.554	
8,100.00	7,994.29	8,240.19	7,994.29	22.96	30.41	42.45	211.32	1,277.82	913.36	866.33	47.03	19.422	
8,166.23	8,060.52	8,306.42	8,060.52	23.06	30.49	42.45	211.32	1,277.82	913.36	866.12	47.24	19.335	
8,200.00	8,094.29	8,338.89	8,093.00	23.12	30.53	42.45	211.32	1,277.82	913.36	866.01	47.35	19.292	
8,300.00	8,194.29	8,338.89	8,093.00	23.28	30.53	42.45	211.32	1,277.82	918.96	871.45	47.51	19.343	
8,400.00	8,294.29	8,338.89	8,093.00	23.45	30.53	42.45	211.32	1,277.82	935.28	887.60	47.68	19.618	
8,500.00	8,394.29	8,338.89	8,093.00	23.62	30.53	42.45	211.32	1,277.82	961.77	913.93	47.84	20.103	
8,608.71	8,503.00	8,338.89	8,093.00	23.80	30.53	42.45	211.32	1,277.82	1,001.16	953.14	48.02	20.847	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-43.73	0.00	43.73				
100.00	100.00	100.00	100.00	0.10	0.10	180.00	-43.73	0.00	43.73	43.53	0.19	228.868	
200.00	200.00	200.00	200.00	0.32	0.32	180.00	-43.73	0.00	43.73	43.08	0.64	68.259	
300.00	300.00	300.00	300.00	0.55	0.55	180.00	-43.73	0.00	43.73	42.64	1.09	40.111	
400.00	400.00	400.00	400.00	0.77	0.77	180.00	-43.73	0.00	43.73	42.19	1.54	28.400	
500.00	500.00	500.00	500.00	0.99	0.99	180.00	-43.73	0.00	43.73	41.74	1.99	21.982	
600.00	600.00	600.00	600.00	1.22	1.22	180.00	-43.73	0.00	43.73	41.29	2.44	17.930	
700.00	700.00	700.00	700.00	1.44	1.44	180.00	-43.73	0.00	43.73	40.84	2.89	15.139	
800.00	800.00	800.00	800.00	1.67	1.67	180.00	-43.73	0.00	43.73	40.39	3.34	13.100	
900.00	900.00	900.00	900.00	1.89	1.89	180.00	-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	180.00	-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	180.00	-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	180.00	-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	180.00	-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	180.00	-43.73	0.00	43.73	37.69	6.03	7.245 CC, ES	
1,500.00	1,499.98	1,498.47	1,498.45	3.22	3.21	56.79	-45.42	0.03	44.47	38.04	6.43	6.915 SF	
1,600.00	1,599.84	1,596.80	1,596.65	3.41	3.38	61.72	-50.48	0.11	46.93	40.14	6.79	6.916	
1,700.00	1,699.45	1,694.84	1,694.32	3.61	3.56	68.76	-58.88	0.25	51.71	44.55	7.16	7.221	
1,800.00	1,798.70	1,792.46	1,791.23	3.83	3.75	76.48	-70.56	0.44	59.47	51.90	7.57	7.858	
1,900.00	1,897.47	1,889.51	1,887.13	4.08	3.98	83.67	-85.44	0.69	70.64	62.62	8.02	8.809	
2,000.00	1,995.62	1,985.87	1,981.79	4.36	4.23	89.72	-103.42	0.99	85.34	76.81	8.53	10.008	
2,100.00	2,093.06	2,081.41	2,075.00	4.69	4.52	94.51	-124.37	1.33	103.53	94.42	9.11	11.367	
2,200.00	2,189.64	2,176.03	2,166.57	5.07	4.85	98.18	-148.18	1.73	125.07	115.30	9.77	12.797	
2,226.79	2,215.36	2,200.00	2,189.64	5.19	4.94	98.96	-154.69	1.84	131.39	121.43	9.96	13.191	
2,300.00	2,285.54	2,269.71	2,256.41	5.51	5.24	100.99	-174.71	2.17	149.63	139.10	10.53	14.215	
2,400.00	2,381.41	2,362.58	2,344.57	5.98	5.67	102.34	-203.90	2.65	176.48	165.14	11.34	15.561	
2,500.00	2,477.27	2,454.46	2,430.81	6.47	6.15	102.66	-235.58	3.17	205.33	193.12	12.21	16.817	
2,600.00	2,573.13	2,545.19	2,514.93	6.98	6.68	102.33	-269.56	3.74	236.10	222.98	13.12	17.997	
2,700.00	2,669.00	2,639.22	2,601.40	7.50	7.28	101.73	-306.51	4.35	268.09	254.00	14.09	19.031	
2,800.00	2,764.86	2,733.93	2,688.47	8.04	7.91	101.25	-343.76	4.96	300.12	285.04	15.08	19.899	
2,900.00	2,860.73	2,828.63	2,775.54	8.58	8.55	100.86	-381.00	5.58	332.16	316.06	16.10	20.632	
3,000.00	2,956.59	2,923.33	2,862.61	9.13	9.21	100.54	-418.25	6.20	364.22	347.09	17.13	21.256	
3,100.00	3,052.46	3,018.04	2,949.68	9.69	9.88	100.27	-455.49	6.81	396.29	378.10	18.18	21.793	
3,200.00	3,148.32	3,112.74	3,036.75	10.26	10.56	100.05	-492.74	7.43	428.36	409.11	19.25	22.257	
3,300.00	3,244.18	3,207.45	3,123.82	10.82	11.25	99.85	-529.98	8.04	460.44	440.12	20.32	22.662	
3,400.00	3,340.05	3,302.15	3,210.89	11.40	11.94	99.68	-567.23	8.66	492.52	471.12	21.40	23.017	
3,500.00	3,435.91	3,396.86	3,297.96	11.97	12.64	99.53	-604.47	9.28	524.60	502.12	22.49	23.331	
3,600.00	3,531.78	3,491.56	3,385.03	12.55	13.34	99.40	-641.72	9.89	556.69	533.11	23.58	23.610	
3,700.00	3,627.64	3,586.27	3,472.11	13.13	14.05	99.28	-678.97	10.51	588.78	564.10	24.68	23.859	
3,800.00	3,723.50	3,680.97	3,559.18	13.71	14.76	99.18	-716.21	11.13	620.87	595.09	25.78	24.083	
3,900.00	3,819.37	3,775.68	3,646.25	14.30	15.47	99.08	-753.46	11.74	652.97	626.08	26.89	24.286	
4,000.00	3,915.23	3,870.38	3,733.32	14.88	16.18	98.99	-790.70	12.36	685.06	657.07	28.00	24.469	
4,100.00	4,011.10	3,965.09	3,820.39	15.47	16.90	98.92	-827.95	12.97	717.16	688.05	29.11	24.637	
4,200.00	4,106.96	4,079.46	3,926.37	16.06	17.56	98.96	-870.93	13.69	748.05	717.85	30.21	24.765	
4,229.91	4,135.64	4,114.22	3,958.91	16.23	17.74	99.02	-883.15	13.89	756.79	726.26	30.53	24.788	
4,300.00	4,203.06	4,196.36	4,036.38	16.59	18.15	99.58	-910.46	14.34	776.21	744.93	31.28	24.817	
4,400.00	4,300.03	4,315.18	4,149.74	16.99	18.71	100.27	-946.00	14.93	801.16	768.96	32.21	24.875	
4,500.00	4,397.79	4,435.72	4,266.16	17.35	19.23	100.84	-977.22	15.44	822.79	789.74	33.06	24.891	
4,600.00	4,496.23	4,557.79	4,385.28	17.68	19.69	101.29	-1,003.82	15.88	841.00	807.18	33.82	24.868	
4,700.00	4,595.22	4,681.13	4,506.69	17.96	20.10	101.65	-1,025.52	16.24	855.70	821.21	34.49	24.811	
4,800.00	4,694.64	4,805.50	4,629.94	18.19	20.44	101.92	-1,042.09	16.52	866.84	831.78	35.06	24.724	
4,900.00	4,794.37	4,930.61	4,754.53	18.39	20.71	102.09	-1,053.35	16.70	874.37	838.84	35.53	24.609	

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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	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	4,894.30	5,056.18	4,879.96	18.54	20.91	102.19	-1,059.17	16.80	878.25	842.35	35.90	24.463	
5,056.71	4,951.00	5,127.23	4,951.00	18.61	21.00	-132.83	-1,060.02	16.81	878.82	842.75	36.07	24.363	
5,100.00	4,994.29	5,170.52	4,994.29	18.66	21.04	-132.83	-1,060.02	16.81	878.82	842.65	36.18	24.293	
5,200.00	5,094.29	5,270.52	5,094.29	18.78	21.14	-132.83	-1,060.02	16.81	878.82	842.41	36.42	24.132	
5,300.00	5,194.29	5,370.52	5,194.29	18.90	21.24	-132.83	-1,060.02	16.81	878.82	842.16	36.66	23.972	
5,400.00	5,294.29	5,470.52	5,294.29	19.02	21.35	-132.83	-1,060.02	16.81	878.82	841.92	36.91	23.810	
5,500.00	5,394.29	5,570.52	5,394.29	19.15	21.45	-132.83	-1,060.02	16.81	878.82	841.66	37.16	23.649	
5,600.00	5,494.29	5,670.52	5,494.29	19.28	21.56	-132.83	-1,060.02	16.81	878.82	841.41	37.42	23.487	
5,700.00	5,594.29	5,770.52	5,594.29	19.41	21.67	-132.83	-1,060.02	16.81	878.82	841.15	37.68	23.326	
5,800.00	5,694.29	5,870.52	5,694.29	19.54	21.78	-132.83	-1,060.02	16.81	878.82	840.88	37.94	23.164	
5,900.00	5,794.29	5,970.52	5,794.29	19.67	21.89	-132.83	-1,060.02	16.81	878.82	840.62	38.21	23.002	
6,000.00	5,894.29	6,070.52	5,894.29	19.80	22.01	-132.83	-1,060.02	16.81	878.82	840.35	38.48	22.841	
6,100.00	5,994.29	6,170.52	5,994.29	19.94	22.12	-132.83	-1,060.02	16.81	878.82	840.08	38.75	22.680	
6,200.00	6,094.29	6,270.52	6,094.29	20.08	22.24	-132.83	-1,060.02	16.81	878.82	839.80	39.03	22.519	
6,300.00	6,194.29	6,370.52	6,194.29	20.22	22.36	-132.83	-1,060.02	16.81	878.82	839.52	39.31	22.359	
6,400.00	6,294.29	6,470.52	6,294.29	20.36	22.48	-132.83	-1,060.02	16.81	878.82	839.24	39.59	22.199	
6,500.00	6,394.29	6,570.52	6,394.29	20.50	22.61	-132.83	-1,060.02	16.81	878.82	838.95	39.87	22.040	
6,600.00	6,494.29	6,670.52	6,494.29	20.64	22.73	-132.83	-1,060.02	16.81	878.82	838.66	40.16	21.882	
6,700.00	6,594.29	6,770.52	6,594.29	20.79	22.86	-132.83	-1,060.02	16.81	878.82	838.37	40.45	21.724	
6,800.00	6,694.29	6,870.52	6,694.29	20.94	22.98	-132.83	-1,060.02	16.81	878.82	838.08	40.75	21.567	
6,900.00	6,794.29	6,970.52	6,794.29	21.08	23.11	-132.83	-1,060.02	16.81	878.82	837.78	41.05	21.410	
7,000.00	6,894.29	7,070.52	6,894.29	21.23	23.24	-132.83	-1,060.02	16.81	878.82	837.48	41.35	21.255	
7,100.00	6,994.29	7,170.52	6,994.29	21.38	23.37	-132.83	-1,060.02	16.81	878.82	837.17	41.65	21.100	
7,200.00	7,094.29	7,270.52	7,094.29	21.53	23.51	-132.83	-1,060.02	16.81	878.82	836.87	41.96	20.947	
7,300.00	7,194.29	7,370.52	7,194.29	21.69	23.64	-132.83	-1,060.02	16.81	878.82	836.56	42.26	20.794	
7,400.00	7,294.29	7,470.52	7,294.29	21.84	23.78	-132.83	-1,060.02	16.81	878.82	836.25	42.57	20.642	
7,500.00	7,394.29	7,570.52	7,394.29	22.00	23.91	-132.83	-1,060.02	16.81	878.82	835.94	42.89	20.491	
7,600.00	7,494.29	7,670.52	7,494.29	22.15	24.05	-132.83	-1,060.02	16.81	878.82	835.62	43.20	20.342	
7,700.00	7,594.29	7,770.52	7,594.29	22.31	24.19	-132.83	-1,060.02	16.81	878.82	835.30	43.52	20.193	
7,800.00	7,694.29	7,870.52	7,694.29	22.47	24.33	-132.83	-1,060.02	16.81	878.82	834.98	43.84	20.046	
7,900.00	7,794.29	7,970.52	7,794.29	22.63	24.48	-132.83	-1,060.02	16.81	878.82	834.66	44.16	19.899	
8,000.00	7,894.29	8,070.52	7,894.29	22.79	24.62	-132.83	-1,060.02	16.81	878.82	834.34	44.49	19.754	
8,100.00	7,994.29	8,170.52	7,994.29	22.96	24.76	-132.83	-1,060.02	16.81	878.82	834.01	44.82	19.610	
8,200.00	8,094.29	8,270.52	8,094.29	23.12	24.91	-132.83	-1,060.02	16.81	878.82	833.68	45.14	19.467	
8,300.00	8,194.29	8,273.23	8,097.00	23.28	24.91	-132.83	-1,060.02	16.81	884.19	838.88	45.31	19.513	
8,400.00	8,294.29	8,273.23	8,097.00	23.45	24.91	-132.83	-1,060.02	16.81	900.70	855.22	45.48	19.804	
8,500.00	8,394.29	8,273.23	8,097.00	23.62	24.91	-132.83	-1,060.02	16.81	927.75	882.10	45.65	20.324	
8,608.71	8,503.00	8,273.23	8,097.00	23.80	24.91	-132.83	-1,060.02	16.81	968.07	922.24	45.83	21.123	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	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	29.15	0.00	29.15				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	29.15	0.00	29.15	28.96	0.19	152.557	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	29.15	0.00	29.15	28.51	0.64	45.499	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	29.15	0.00	29.15	28.06	1.09	26.737	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	29.15	0.00	29.15	27.61	1.54	18.930	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	29.15	0.00	29.15	27.16	1.99	14.652	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	29.15	0.00	29.15	26.71	2.44	11.951	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	29.15	0.00	29.15	26.26	2.89	10.091	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	29.15	0.00	29.15	25.81	3.34	8.732	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	29.15	0.00	29.15	25.36	3.79	7.696	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	29.15	0.00	29.15	24.91	4.24	6.879	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	29.15	0.00	29.15	24.46	4.69	6.219	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	29.15	0.00	29.15	24.01	5.14	5.675	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	29.15	0.00	29.15	23.56	5.59	5.218	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	29.15	0.00	29.15	23.11	6.03	4.830 CC, ES, SF	
1,500.00	1,499.98	1,499.15	1,499.13	3.22	3.24	-125.58	30.49	1.06	31.51	25.05	6.46	4.880	
1,600.00	1,599.84	1,597.97	1,597.81	3.41	3.46	-126.94	34.51	4.24	38.59	31.74	6.86	5.628	
1,700.00	1,699.45	1,696.11	1,695.59	3.61	3.68	-128.32	41.15	9.47	50.40	43.14	7.27	6.937	
1,800.00	1,798.70	1,793.27	1,792.04	3.83	3.91	-129.37	50.30	16.70	66.90	59.21	7.69	8.702	
1,900.00	1,897.47	1,889.15	1,886.77	4.08	4.15	-130.07	61.84	25.81	88.00	79.87	8.13	10.827	
2,000.00	1,995.62	1,983.44	1,979.42	4.36	4.42	-130.49	75.62	36.69	113.61	105.02	8.60	13.218	
2,100.00	2,093.06	2,075.91	2,069.66	4.69	4.72	-130.69	91.44	49.18	143.63	134.53	9.10	15.787	
2,200.00	2,189.64	2,166.32	2,157.21	5.07	5.04	-130.73	109.11	63.13	177.93	168.28	9.64	18.451	
2,226.79	2,215.36	2,190.16	2,180.18	5.19	5.13	-130.71	114.13	67.10	187.83	178.03	9.80	19.174	
2,300.00	2,285.54	2,254.69	2,242.07	5.51	5.40	-130.91	128.48	78.42	215.80	205.54	10.26	21.030	
2,400.00	2,381.41	2,341.49	2,324.63	5.98	5.80	-130.70	149.48	95.00	255.68	244.75	10.93	23.388	
2,500.00	2,477.27	2,429.03	2,407.12	6.47	6.24	-130.17	172.49	113.16	297.32	285.67	11.65	25.522	
2,600.00	2,573.13	2,519.75	2,492.44	6.98	6.72	-129.68	196.68	132.27	339.32	326.91	12.41	27.342	
2,700.00	2,669.00	2,610.47	2,577.76	7.50	7.23	-129.30	220.88	151.37	381.34	368.14	13.19	28.902	
2,800.00	2,764.86	2,701.19	2,663.08	8.04	7.75	-129.00	245.08	170.47	423.37	409.37	14.00	30.244	
2,900.00	2,860.73	2,791.90	2,748.40	8.58	8.29	-128.75	269.27	189.57	465.40	450.58	14.82	31.405	
3,000.00	2,956.59	2,882.62	2,833.72	9.13	8.83	-128.55	293.47	208.68	507.44	491.79	15.65	32.415	
3,100.00	3,052.46	2,973.34	2,919.04	9.69	9.39	-128.37	317.67	227.78	549.49	532.99	16.50	33.300	
3,200.00	3,148.32	3,064.06	3,004.36	10.26	9.95	-128.22	341.86	246.88	591.54	574.18	17.36	34.079	
3,300.00	3,244.18	3,154.78	3,089.68	10.82	10.52	-128.09	366.06	265.99	633.60	615.37	18.22	34.768	
3,400.00	3,340.05	3,245.50	3,175.00	11.40	11.09	-127.98	390.26	285.09	675.65	656.55	19.10	35.381	
3,500.00	3,435.91	3,336.22	3,260.32	11.97	11.67	-127.88	414.46	304.19	717.71	697.73	19.98	35.928	
3,600.00	3,531.78	3,426.94	3,345.64	12.55	12.25	-127.79	438.65	323.30	759.77	738.91	20.86	36.420	
3,700.00	3,627.64	3,517.66	3,430.96	13.13	12.83	-127.71	462.85	342.40	801.83	780.08	21.75	36.863	
3,800.00	3,723.50	3,608.37	3,516.28	13.71	13.42	-127.63	487.05	361.50	843.89	821.24	22.65	37.264	
3,900.00	3,819.37	3,699.09	3,601.60	14.30	14.01	-127.57	511.24	380.60	885.95	862.41	23.55	37.628	
4,000.00	3,915.23	3,789.81	3,686.92	14.88	14.60	-127.51	535.44	399.71	928.02	903.57	24.45	37.960	
4,100.00	4,011.10	3,880.53	3,772.24	15.47	15.20	-127.45	559.64	418.81	970.08	944.73	25.35	38.263	
4,200.00	4,106.96	3,971.25	3,857.56	16.06	15.79	-127.41	583.83	437.91	1,012.15	985.89	26.26	38.542	
4,229.91	4,135.64	3,998.38	3,883.08	16.23	15.97	-127.39	591.07	443.63	1,024.73	998.20	26.53	38.621	
4,300.00	4,203.06	4,062.17	3,943.07	16.59	16.39	-127.82	608.09	457.06	1,053.74	1,026.53	27.21	38.730	
4,400.00	4,300.03	4,153.85	4,029.29	16.99	16.99	-128.27	632.54	476.36	1,093.47	1,065.37	28.10	38.914	
4,500.00	4,397.79	4,246.21	4,116.15	17.35	17.61	-128.55	657.17	495.81	1,131.23	1,102.27	28.96	39.059	
4,600.00	4,496.23	4,339.13	4,203.55	17.68	18.22	-128.66	681.96	515.38	1,167.03	1,137.24	29.79	39.177	
4,700.00	4,595.22	4,432.51	4,291.37	17.96	18.84	-128.63	706.86	535.04	1,200.88	1,170.30	30.57	39.276	
4,800.00	4,694.64	4,536.93	4,389.64	18.19	19.50	-128.39	734.57	556.92	1,232.71	1,201.36	31.34	39.327	
4,900.00	4,794.37	4,678.64	4,524.56	18.39	20.23	-127.84	768.55	583.74	1,260.16	1,228.05	32.11	39.247	

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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	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	4,894.30	4,824.74	4,665.73	18.54	20.85	-127.25	798.05	607.03	1,282.03	1,249.27	32.75	39.144	
5,056.71	4,951.00	4,909.26	4,748.21	18.61	21.17	-1.93	812.53	618.46	1,291.87	1,258.79	33.07	39.060	
5,100.00	4,994.29	4,974.51	4,812.23	18.66	21.40	-1.56	822.39	626.25	1,298.30	1,265.01	33.29	38.999	
5,200.00	5,094.29	5,127.21	4,963.07	18.78	21.85	-0.90	840.98	640.93	1,310.34	1,276.58	33.76	38.810	
5,300.00	5,194.29	5,282.05	5,117.08	18.90	22.21	-0.46	853.37	650.71	1,318.28	1,284.10	34.19	38.562	
5,400.00	5,294.29	5,438.17	5,273.00	19.02	22.45	-0.26	859.23	655.33	1,322.02	1,287.47	34.56	38.258	
5,500.00	5,394.29	5,559.47	5,394.29	19.15	22.59	-0.24	859.71	655.71	1,322.33	1,287.47	34.86	37.931	
5,600.00	5,494.29	5,659.47	5,494.29	19.28	22.70	-0.24	859.71	655.71	1,322.33	1,287.18	35.15	37.622	
5,700.00	5,594.29	5,759.47	5,594.29	19.41	22.81	-0.24	859.71	655.71	1,322.33	1,286.89	35.44	37.314	
5,800.00	5,694.29	5,859.47	5,694.29	19.54	22.93	-0.24	859.71	655.71	1,322.33	1,286.60	35.73	37.008	
5,900.00	5,794.29	5,959.47	5,794.29	19.67	23.05	-0.24	859.71	655.71	1,322.33	1,286.30	36.03	36.704	
6,000.00	5,894.29	6,059.47	5,894.29	19.80	23.16	-0.24	859.71	655.71	1,322.33	1,286.00	36.33	36.401	
6,100.00	5,994.29	6,159.47	5,994.29	19.94	23.28	-0.24	859.71	655.71	1,322.33	1,285.70	36.63	36.100	
6,200.00	6,094.29	6,259.47	6,094.29	20.08	23.40	-0.24	859.71	655.71	1,322.33	1,285.39	36.93	35.802	
6,300.00	6,194.29	6,359.47	6,194.29	20.22	23.53	-0.24	859.71	655.71	1,322.33	1,285.08	37.24	35.505	
6,400.00	6,294.29	6,459.47	6,294.29	20.36	23.65	-0.24	859.71	655.71	1,322.33	1,284.77	37.55	35.211	
6,500.00	6,394.29	6,559.47	6,394.29	20.50	23.78	-0.24	859.71	655.71	1,322.33	1,284.46	37.87	34.919	
6,600.00	6,494.29	6,659.47	6,494.29	20.64	23.90	-0.24	859.71	655.71	1,322.33	1,284.14	38.19	34.629	
6,700.00	6,594.29	6,759.47	6,594.29	20.79	24.03	-0.24	859.71	655.71	1,322.33	1,283.82	38.50	34.342	
6,800.00	6,694.29	6,859.47	6,694.29	20.94	24.16	-0.24	859.71	655.71	1,322.33	1,283.50	38.83	34.057	
6,900.00	6,794.29	6,959.47	6,794.29	21.08	24.29	-0.24	859.71	655.71	1,322.33	1,283.18	39.15	33.775	
7,000.00	6,894.29	7,059.47	6,894.29	21.23	24.43	-0.24	859.71	655.71	1,322.33	1,282.85	39.48	33.495	
7,100.00	6,994.29	7,159.47	6,994.29	21.38	24.56	-0.24	859.71	655.71	1,322.33	1,282.52	39.81	33.218	
7,200.00	7,094.29	7,259.47	7,094.29	21.53	24.69	-0.24	859.71	655.71	1,322.33	1,282.19	40.14	32.943	
7,300.00	7,194.29	7,359.47	7,194.29	21.69	24.83	-0.24	859.71	655.71	1,322.33	1,281.85	40.47	32.671	
7,400.00	7,294.29	7,459.47	7,294.29	21.84	24.97	-0.24	859.71	655.71	1,322.33	1,281.52	40.81	32.402	
7,500.00	7,394.29	7,559.47	7,394.29	22.00	25.11	-0.24	859.71	655.71	1,322.33	1,281.18	41.15	32.136	
7,600.00	7,494.29	7,659.47	7,494.29	22.15	25.25	-0.24	859.71	655.71	1,322.33	1,280.84	41.49	31.872	
7,700.00	7,594.29	7,759.47	7,594.29	22.31	25.39	-0.24	859.71	655.71	1,322.33	1,280.50	41.83	31.611	
7,800.00	7,694.29	7,859.47	7,694.29	22.47	25.53	-0.24	859.71	655.71	1,322.33	1,280.15	42.18	31.353	
7,900.00	7,794.29	7,959.47	7,794.29	22.63	25.68	-0.24	859.71	655.71	1,322.33	1,279.80	42.52	31.097	
8,000.00	7,894.29	8,059.47	7,894.29	22.79	25.82	-0.24	859.71	655.71	1,322.33	1,279.46	42.87	30.844	
8,100.00	7,994.29	8,159.47	7,994.29	22.96	25.97	-0.24	859.71	655.71	1,322.33	1,279.11	43.22	30.594	
8,200.00	8,094.29	8,259.47	8,094.29	23.12	26.12	-0.24	859.71	655.71	1,322.33	1,278.75	43.57	30.347	
8,300.00	8,194.29	8,359.47	8,194.29	23.28	26.26	-0.24	859.71	655.71	1,322.33	1,278.40	43.93	30.103	
8,400.00	8,294.29	8,459.47	8,294.29	23.45	26.41	-0.24	859.71	655.71	1,322.33	1,278.04	44.28	29.861	
8,500.00	8,394.29	8,559.47	8,394.29	23.62	26.56	-0.24	859.71	655.71	1,322.33	1,277.69	44.64	29.622	
8,564.80	8,459.09	8,624.26	8,459.09	23.72	26.66	-0.24	859.71	655.71	1,322.33	1,277.45	44.87	29.468	
8,608.71	8,503.00	8,649.17	8,484.00	23.80	26.70	-0.24	859.71	655.71	1,322.46	1,277.47	45.00	29.391	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	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	43.71	0.00	43.71				
100.00	100.00	100.00	100.00	0.10	0.10	0.00	43.71	0.00	43.71	43.52	0.19	228.802	
200.00	200.00	200.00	200.00	0.32	0.32	0.00	43.71	0.00	43.71	43.07	0.64	68.239	
300.00	300.00	300.00	300.00	0.55	0.55	0.00	43.71	0.00	43.71	42.62	1.09	40.099	
400.00	400.00	400.00	400.00	0.77	0.77	0.00	43.71	0.00	43.71	42.17	1.54	28.391	
500.00	500.00	500.00	500.00	0.99	0.99	0.00	43.71	0.00	43.71	41.72	1.99	21.975	
600.00	600.00	600.00	600.00	1.22	1.22	0.00	43.71	0.00	43.71	41.27	2.44	17.925	
700.00	700.00	700.00	700.00	1.44	1.44	0.00	43.71	0.00	43.71	40.82	2.89	15.135	
800.00	800.00	800.00	800.00	1.67	1.67	0.00	43.71	0.00	43.71	40.38	3.34	13.096	
900.00	900.00	900.00	900.00	1.89	1.89	0.00	43.71	0.00	43.71	39.93	3.79	11.542	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	0.00	43.71	0.00	43.71	39.48	4.24	10.317	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	0.00	43.71	0.00	43.71	39.03	4.69	9.328	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	0.00	43.71	0.00	43.71	38.58	5.14	8.511	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	0.00	43.71	0.00	43.71	38.13	5.59	7.826	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	0.00	43.71	0.00	43.71	37.68	6.03	7.243	
1,467.28	1,467.27	1,467.89	1,467.89	3.15	3.15	-126.66	43.22	-0.63	43.69	37.39	6.31	6.926 CC	
1,500.00	1,499.98	1,500.87	1,500.85	3.22	3.22	-128.70	42.62	-1.40	43.72	37.28	6.44	6.788 ES	
1,600.00	1,599.84	1,601.25	1,601.09	3.41	3.41	-139.57	39.37	-5.57	44.83	38.02	6.81	6.586 SF	
1,700.00	1,699.45	1,700.69	1,700.14	3.61	3.61	-155.34	34.02	-12.43	49.90	42.73	7.17	6.957	
1,800.00	1,798.70	1,798.73	1,797.44	3.83	3.82	-171.20	26.68	-21.84	61.79	54.26	7.54	8.198	
1,900.00	1,897.47	1,894.94	1,892.48	4.08	4.05	-176.42	17.48	-33.63	81.41	73.49	7.91	10.291	
2,000.00	1,995.62	1,988.96	1,984.82	4.36	4.31	167.77	6.61	-47.57	108.16	99.85	8.30	13.027	
2,100.00	2,093.06	2,080.42	2,074.04	4.69	4.61	161.84	-5.75	-63.42	141.21	132.49	8.72	16.191	
2,200.00	2,189.64	2,169.05	2,159.85	5.07	4.93	157.66	-19.39	-80.91	179.93	170.75	9.18	19.604	
2,226.79	2,215.36	2,192.28	2,182.22	5.19	5.02	156.75	-23.23	-85.84	191.20	181.90	9.30	20.551	
2,300.00	2,285.54	2,254.91	2,242.28	5.51	5.29	154.78	-34.16	-99.84	223.06	213.34	9.72	22.946	
2,400.00	2,381.41	2,343.12	2,326.47	5.98	5.70	152.52	-50.35	-120.61	267.83	257.49	10.33	25.915	
2,500.00	2,477.27	2,432.10	2,411.38	6.47	6.14	150.89	-66.71	-141.59	312.86	301.88	10.98	28.505	
2,600.00	2,573.13	2,521.08	2,496.29	6.98	6.59	149.67	-83.08	-162.57	358.04	346.40	11.64	30.763	
2,700.00	2,669.00	2,610.06	2,581.19	7.50	7.06	148.72	-99.44	-183.55	403.33	391.01	12.32	32.738	
2,800.00	2,764.86	2,699.04	2,666.10	8.04	7.54	147.96	-115.80	-204.53	448.69	435.67	13.02	34.470	
2,900.00	2,860.73	2,788.02	2,751.01	8.58	8.03	147.34	-132.16	-225.51	494.10	480.37	13.73	35.993	
3,000.00	2,956.59	2,877.00	2,835.92	9.13	8.53	146.82	-148.52	-246.48	539.54	525.09	14.45	37.341	
3,100.00	3,052.46	2,965.98	2,920.83	9.69	9.04	146.39	-164.88	-267.46	585.02	569.84	15.18	38.540	
3,200.00	3,148.32	3,054.96	3,005.74	10.26	9.55	146.01	-181.25	-288.44	630.52	614.60	15.92	39.610	
3,300.00	3,244.18	3,143.94	3,090.65	10.82	10.07	145.69	-197.61	-309.42	676.04	659.37	16.66	40.569	
3,400.00	3,340.05	3,232.92	3,175.56	11.40	10.59	145.41	-213.97	-330.40	721.57	704.15	17.41	41.434	
3,500.00	3,435.91	3,321.90	3,260.47	11.97	11.11	145.16	-230.33	-351.38	767.11	748.94	18.17	42.216	
3,600.00	3,531.78	3,410.88	3,345.38	12.55	11.64	144.94	-246.69	-372.36	812.67	793.74	18.93	42.927	
3,700.00	3,627.64	3,499.86	3,430.29	13.13	12.17	144.74	-263.05	-393.34	858.23	838.54	19.70	43.575	
3,800.00	3,723.50	3,588.84	3,515.20	13.71	12.71	144.56	-279.41	-414.31	903.80	883.34	20.46	44.167	
3,900.00	3,819.37	3,677.82	3,600.11	14.30	13.24	144.40	-295.78	-435.29	949.38	928.15	21.23	44.712	
4,000.00	3,915.23	3,766.80	3,685.02	14.88	13.78	144.26	-312.14	-456.27	994.96	972.96	22.01	45.213	
4,100.00	4,011.10	3,855.78	3,769.92	15.47	14.32	144.12	-328.50	-477.25	1,040.55	1,017.77	22.78	45.677	
4,200.00	4,106.96	3,944.76	3,854.83	16.06	14.86	144.00	-344.86	-498.23	1,086.14	1,062.58	23.56	46.108	
4,229.91	4,135.64	3,971.37	3,880.23	16.23	15.02	143.97	-349.75	-504.51	1,099.78	1,075.99	23.79	46.230	
4,300.00	4,203.06	4,034.04	3,940.03	16.59	15.40	144.27	-361.28	-519.28	1,131.11	1,106.73	24.39	46.380	
4,400.00	4,300.03	4,124.43	4,026.28	16.99	15.95	144.58	-377.90	-540.59	1,173.67	1,148.49	25.18	46.611	
4,500.00	4,397.79	4,230.49	4,127.60	17.35	16.54	144.72	-397.20	-565.34	1,213.47	1,187.51	25.97	46.733	
4,600.00	4,496.23	4,371.84	4,264.05	17.68	17.13	144.71	-419.85	-594.38	1,247.94	1,221.21	26.74	46.671	
4,700.00	4,595.22	4,518.63	4,407.50	17.96	17.66	144.70	-438.96	-618.88	1,275.98	1,248.54	27.44	46.493	
4,800.00	4,694.64	4,669.90	4,556.79	18.19	18.12	144.70	-453.89	-638.03	1,297.31	1,269.24	28.07	46.219	

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



Weatherford International Ltd.
Anticollision Report



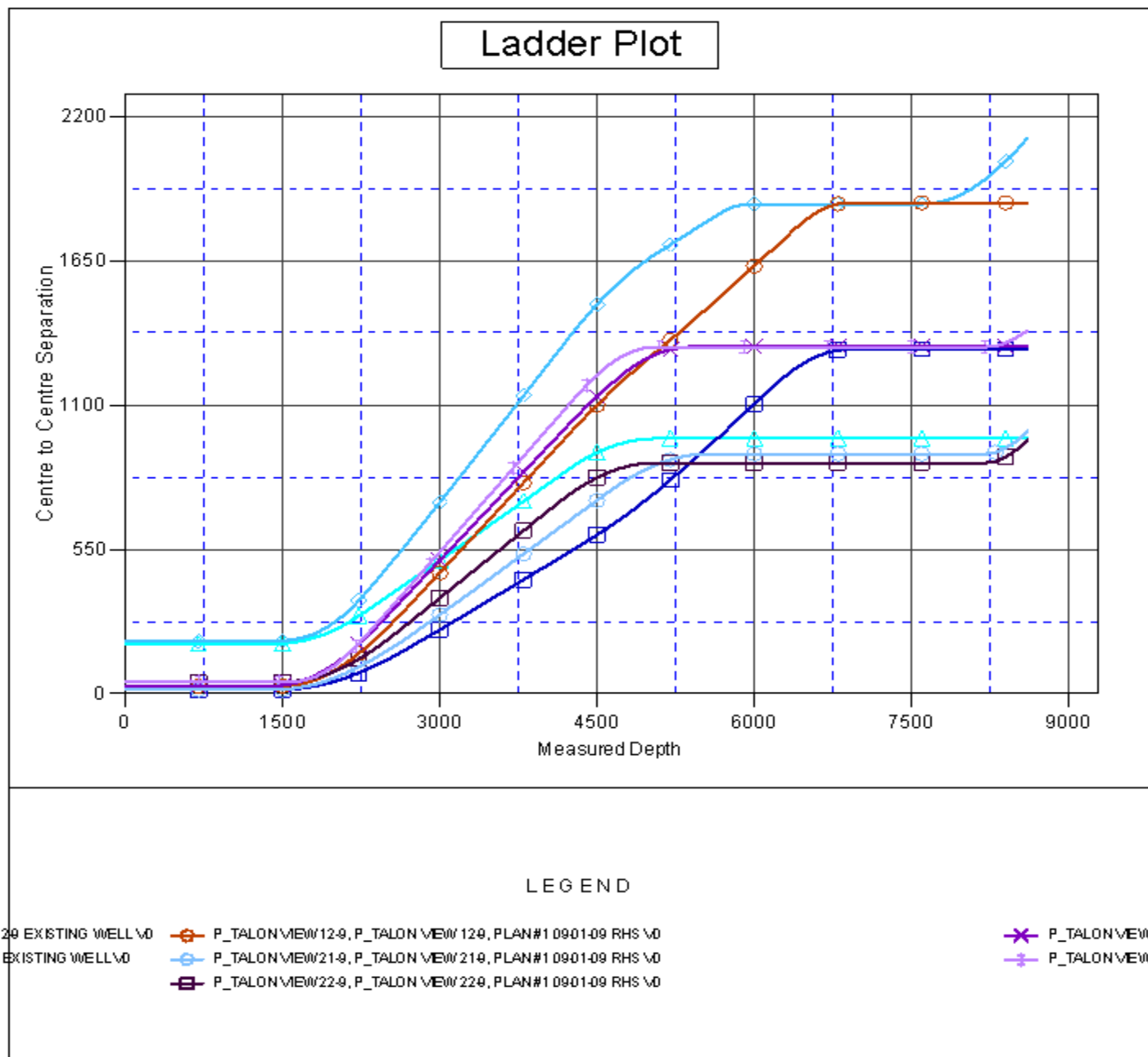
Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	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
4,900.00	4,794.37	4,824.52	4,710.48	18.39	18.48	144.70	-464.13	-651.16	1,311.69	1,283.08	28.61	45.853	
5,000.00	4,894.30	4,981.20	4,866.93	18.54	18.75	144.70	-469.29	-657.77	1,318.96	1,289.91	29.05	45.400	
5,056.71	4,951.00	5,065.29	4,951.00	18.61	18.86	-90.32	-469.89	-658.55	1,319.91	1,290.65	29.26	45.104	
5,100.00	4,994.29	5,108.58	4,994.29	18.66	18.91	-90.32	-469.89	-658.55	1,319.91	1,290.53	29.39	44.911	
5,200.00	5,094.29	5,208.58	5,094.29	18.78	19.03	-90.32	-469.89	-658.55	1,319.91	1,290.23	29.68	44.471	
5,300.00	5,194.29	5,308.58	5,194.29	18.90	19.14	-90.32	-469.89	-658.55	1,319.91	1,289.94	29.98	44.033	
5,400.00	5,294.29	5,408.58	5,294.29	19.02	19.26	-90.32	-469.89	-658.55	1,319.91	1,289.64	30.27	43.598	
5,500.00	5,394.29	5,508.58	5,394.29	19.15	19.39	-90.32	-469.89	-658.55	1,319.91	1,289.34	30.58	43.167	
5,600.00	5,494.29	5,608.58	5,494.29	19.28	19.51	-90.32	-469.89	-658.55	1,319.91	1,289.03	30.88	42.739	
5,700.00	5,594.29	5,708.58	5,594.29	19.41	19.64	-90.32	-469.89	-658.55	1,319.91	1,288.72	31.19	42.315	
5,800.00	5,694.29	5,808.58	5,694.29	19.54	19.77	-90.32	-469.89	-658.55	1,319.91	1,288.41	31.51	41.895	
5,900.00	5,794.29	5,908.58	5,794.29	19.67	19.89	-90.32	-469.89	-658.55	1,319.91	1,288.09	31.82	41.478	
6,000.00	5,894.29	6,008.58	5,894.29	19.80	20.03	-90.32	-469.89	-658.55	1,319.91	1,287.77	32.14	41.066	
6,100.00	5,994.29	6,108.58	5,994.29	19.94	20.16	-90.32	-469.89	-658.55	1,319.91	1,287.45	32.46	40.658	
6,200.00	6,094.29	6,208.58	6,094.29	20.08	20.29	-90.32	-469.89	-658.55	1,319.91	1,287.13	32.79	40.255	
6,300.00	6,194.29	6,308.58	6,194.29	20.22	20.43	-90.32	-469.89	-658.55	1,319.91	1,286.80	33.12	39.855	
6,400.00	6,294.29	6,408.58	6,294.29	20.36	20.57	-90.32	-469.89	-658.55	1,319.91	1,286.47	33.45	39.461	
6,500.00	6,394.29	6,508.58	6,394.29	20.50	20.71	-90.32	-469.89	-658.55	1,319.91	1,286.13	33.78	39.071	
6,600.00	6,494.29	6,608.58	6,494.29	20.64	20.85	-90.32	-469.89	-658.55	1,319.91	1,285.79	34.12	38.685	
6,700.00	6,594.29	6,708.58	6,594.29	20.79	20.99	-90.32	-469.89	-658.55	1,319.91	1,285.46	34.46	38.304	
6,800.00	6,694.29	6,808.58	6,694.29	20.94	21.13	-90.32	-469.89	-658.55	1,319.91	1,285.11	34.80	37.928	
6,900.00	6,794.29	6,908.58	6,794.29	21.08	21.28	-90.32	-469.89	-658.55	1,319.91	1,284.77	35.14	37.557	
7,000.00	6,894.29	7,008.58	6,894.29	21.23	21.42	-90.32	-469.89	-658.55	1,319.91	1,284.42	35.49	37.190	
7,100.00	6,994.29	7,108.58	6,994.29	21.38	21.57	-90.32	-469.89	-658.55	1,319.91	1,284.07	35.84	36.828	
7,200.00	7,094.29	7,208.58	7,094.29	21.53	21.72	-90.32	-469.89	-658.55	1,319.91	1,283.72	36.19	36.471	
7,300.00	7,194.29	7,308.58	7,194.29	21.69	21.87	-90.32	-469.89	-658.55	1,319.91	1,283.37	36.54	36.119	
7,400.00	7,294.29	7,408.58	7,294.29	21.84	22.02	-90.32	-469.89	-658.55	1,319.91	1,283.02	36.90	35.771	
7,500.00	7,394.29	7,508.58	7,394.29	22.00	22.17	-90.32	-469.89	-658.55	1,319.91	1,282.66	37.26	35.428	
7,600.00	7,494.29	7,608.58	7,494.29	22.15	22.33	-90.32	-469.89	-658.55	1,319.91	1,282.30	37.62	35.089	
7,700.00	7,594.29	7,708.58	7,594.29	22.31	22.48	-90.32	-469.89	-658.55	1,319.91	1,281.94	37.98	34.756	
7,800.00	7,694.29	7,808.58	7,694.29	22.47	22.64	-90.32	-469.89	-658.55	1,319.91	1,281.57	38.34	34.427	
7,900.00	7,794.29	7,908.58	7,794.29	22.63	22.80	-90.32	-469.89	-658.55	1,319.91	1,281.21	38.70	34.102	
8,000.00	7,894.29	8,008.58	7,894.29	22.79	22.96	-90.32	-469.89	-658.55	1,319.91	1,280.84	39.07	33.782	
8,100.00	7,994.29	8,108.58	7,994.29	22.96	23.12	-90.32	-469.89	-658.55	1,319.91	1,280.47	39.44	33.466	
8,164.80	8,059.10	8,173.38	8,059.10	23.06	23.22	-90.32	-469.89	-658.55	1,319.91	1,280.23	39.68	33.264	
8,200.00	8,094.29	8,203.29	8,089.00	23.12	23.27	-90.32	-469.89	-658.55	1,319.92	1,280.12	39.80	33.164	
8,300.00	8,194.29	8,203.29	8,089.00	23.28	23.27	-90.32	-469.89	-658.55	1,324.11	1,284.12	39.99	33.113	
8,400.00	8,294.29	8,203.29	8,089.00	23.45	23.27	-90.32	-469.89	-658.55	1,335.78	1,295.61	40.18	33.248	
8,500.00	8,394.29	8,203.29	8,089.00	23.62	23.27	-90.32	-469.89	-658.55	1,354.76	1,314.40	40.37	33.563	
8,608.71	8,503.00	8,203.29	8,089.00	23.80	23.27	-90.32	-469.89	-658.55	1,383.32	1,342.75	40.57	34.096	



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5171.00ft (Original Well Elev) Coordinates are relative to: P_TALON VIEW 6-9
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 6-9
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 6-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 6-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RH	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5171.00ft (Original Well Elev) Coordinates are relative to: P_TALON VIEW 6-9
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