



US ROCKIES REGION PLANNING

KERR MCGEE OIL & GAS ONSHORE LP

ADAMS_TALON VIEW 7 PAD

P_TALON VIEW 5-9

P_TALON VIEW 5-9

Plan: PLAN #1 09-01-09 RHS

Standard Planning Report

01 September, 2009





P. TALON VIEW 5-9
KERR MCGEE OIL & GAS ONSHORE LP
SECTION 9 T1S R67W
1469 FNL 1321 FWL
LAT: 39° 58' 56.532 N
LONG: 104° 53' 54.924 W



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

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4942.00	5056.29	SUSSEX TOP
7484.00	7598.29	NIO A TOP
7929.00	8043.29	CODELL TOP

WELL DETAILS: P_TALON VIEW 5-9

+N/-S	+E/-W	Northing	Easting	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1236996.18	3168529.44	5156.00	39° 58' 56.532 N	104° 53' 54.924 W	

SECTION DETAILS

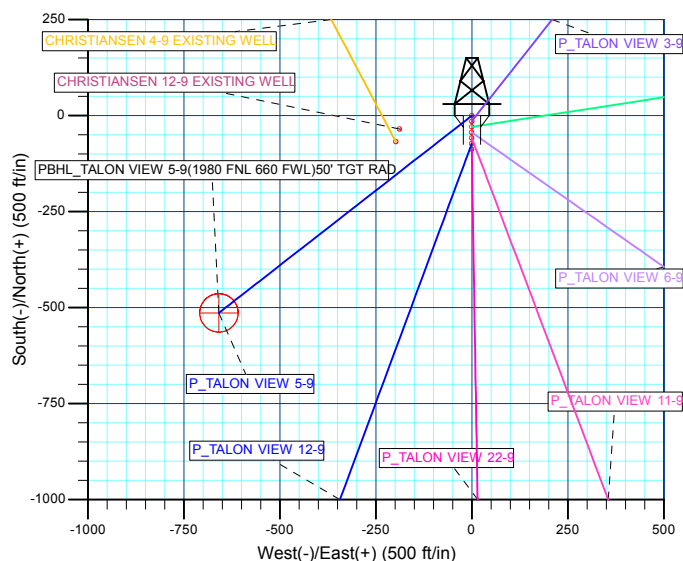
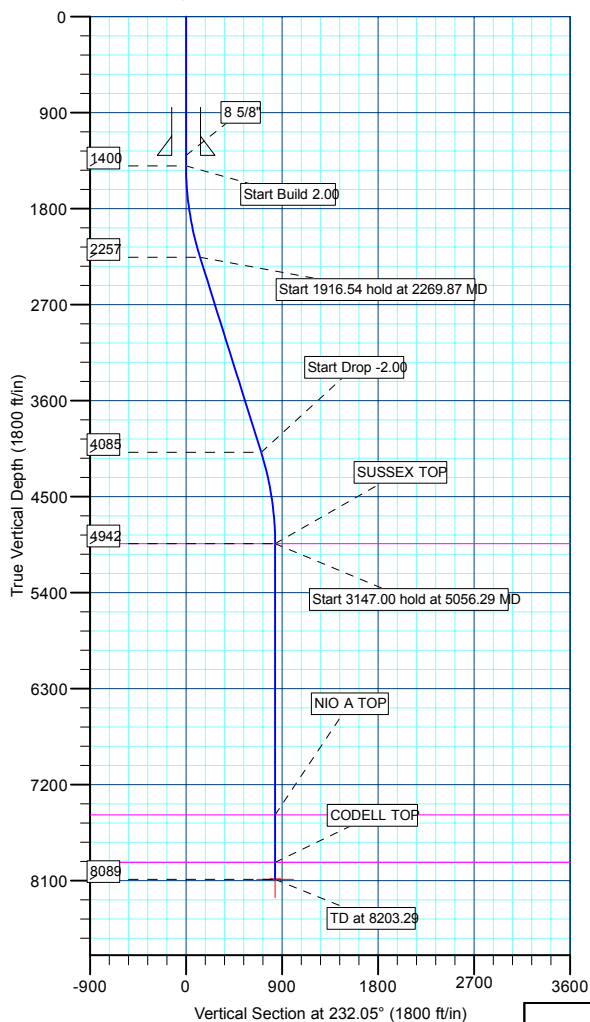
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	
2269.87	17.40	232.05	2256.57	-80.60	-103.34	2.00	232.05	131.05	
4186.41	17.40	232.05	4085.43	-433.01	-555.21	0.00	0.00	704.10	
5056.29	0.00	0.00	4942.00	-513.60	-658.55	2.00	180.00	835.15	
8203.29	0.00	0.00	8089.00	-513.60	-658.55	0.00	0.00	835.15	PBHL_TALON VIEW 5-9(1980 FNL 660 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	8089.00	-513.60	-658.55	1236478.12	3167874.39	39° 58' 51.456 N	104° 54' 3.384 W	Circle (Radius: 50.00)

Plan: PLAN #1 09-01-09 RHS (P_TALON VIEW 5-9/P_TALON VIEW 5-9)

Created By: Robert H. Scott



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 5-9		
Design:	PLAN #1 09-01-09 RHS		

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

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

Well	P_TALON VIEW 5-9					
Well Position	+N/-S	58.27 ft	Northing:	1,236,996.18 ft	Latitude:	39° 58' 56.532 N
	+E/-W	0.00 ft	Easting:	3,168,529.44 ft	Longitude:	104° 53' 54.924 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,156.00 ft

Wellbore	P_TALON VIEW 5-9				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	9/1/2009	9.10	66.76	53,101

Design	PLAN #1 09-01-09 RHS			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	232.05

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,269.87	17.40	232.05	2,256.57	-80.60	-103.34	2.00	2.00	0.00	232.05	
4,186.41	17.40	232.05	4,085.43	-433.01	-555.21	0.00	0.00	0.00	0.00	
5,056.29	0.00	0.00	4,942.00	-513.60	-658.55	2.00	-2.00	0.00	180.00	
8,203.29	0.00	0.00	8,089.00	-513.60	-658.55	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 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 5-9		
Design:	PLAN #1 09-01-09 RHS		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Start Build 2.00									
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	2.00	232.05	1,499.98	-1.07	-1.38	1.75	2.00	2.00	0.00
1,600.00	4.00	232.05	1,599.84	-4.29	-5.50	6.98	2.00	2.00	0.00
1,700.00	6.00	232.05	1,699.45	-9.65	-12.38	15.69	2.00	2.00	0.00
1,800.00	8.00	232.05	1,798.70	-17.15	-21.98	27.88	2.00	2.00	0.00
1,900.00	10.00	232.05	1,897.47	-26.77	-34.32	43.52	2.00	2.00	0.00
2,000.00	12.00	232.05	1,995.62	-38.50	-49.36	62.60	2.00	2.00	0.00
2,100.00	14.00	232.05	2,093.06	-52.33	-67.10	85.10	2.00	2.00	0.00
2,200.00	16.00	232.05	2,189.64	-68.25	-87.51	110.98	2.00	2.00	0.00
Start 1916.54 hold at 2269.87 MD									
2,269.87	17.40	232.05	2,256.57	-80.60	-103.34	131.05	2.00	2.00	0.00
2,300.00	17.40	232.05	2,285.32	-86.14	-110.44	140.06	0.00	0.00	0.00
2,400.00	17.40	232.05	2,380.74	-104.52	-134.02	169.96	0.00	0.00	0.00
2,500.00	17.40	232.05	2,476.17	-122.91	-157.60	199.86	0.00	0.00	0.00
2,600.00	17.40	232.05	2,571.59	-141.30	-181.18	229.76	0.00	0.00	0.00
2,700.00	17.40	232.05	2,667.02	-159.69	-204.75	259.66	0.00	0.00	0.00
2,800.00	17.40	232.05	2,762.44	-178.08	-228.33	289.56	0.00	0.00	0.00
2,900.00	17.40	232.05	2,857.87	-196.46	-251.91	319.46	0.00	0.00	0.00
3,000.00	17.40	232.05	2,953.29	-214.85	-275.48	349.36	0.00	0.00	0.00
3,100.00	17.40	232.05	3,048.72	-233.24	-299.06	379.26	0.00	0.00	0.00
3,200.00	17.40	232.05	3,144.14	-251.63	-322.64	409.16	0.00	0.00	0.00
3,300.00	17.40	232.05	3,239.57	-270.02	-346.21	439.06	0.00	0.00	0.00
3,400.00	17.40	232.05	3,335.00	-288.40	-369.79	468.96	0.00	0.00	0.00
3,500.00	17.40	232.05	3,430.42	-306.79	-393.37	498.86	0.00	0.00	0.00
3,600.00	17.40	232.05	3,525.85	-325.18	-416.95	528.76	0.00	0.00	0.00
3,700.00	17.40	232.05	3,621.27	-343.57	-440.52	558.66	0.00	0.00	0.00
3,800.00	17.40	232.05	3,716.70	-361.96	-464.10	588.56	0.00	0.00	0.00
3,900.00	17.40	232.05	3,812.12	-380.34	-487.68	618.46	0.00	0.00	0.00
4,000.00	17.40	232.05	3,907.55	-398.73	-511.25	648.36	0.00	0.00	0.00
4,100.00	17.40	232.05	4,002.97	-417.12	-534.83	678.26	0.00	0.00	0.00
Start Drop -2.00									
4,186.41	17.40	232.05	4,085.43	-433.01	-555.21	704.10	0.00	0.00	0.00
4,200.00	17.13	232.05	4,098.41	-435.49	-558.38	708.13	2.00	-2.00	0.00
4,300.00	15.13	232.05	4,194.47	-452.57	-580.28	735.90	2.00	-2.00	0.00
4,400.00	13.13	232.05	4,291.44	-467.58	-599.53	760.30	2.00	-2.00	0.00
4,500.00	11.13	232.05	4,389.20	-480.49	-616.09	781.31	2.00	-2.00	0.00
4,600.00	9.13	232.05	4,487.64	-491.31	-629.95	798.89	2.00	-2.00	0.00
4,700.00	7.13	232.05	4,586.63	-500.00	-641.10	813.02	2.00	-2.00	0.00
4,800.00	5.13	232.05	4,686.06	-506.56	-649.51	823.69	2.00	-2.00	0.00
4,900.00	3.13	232.05	4,785.79	-510.98	-655.19	830.89	2.00	-2.00	0.00
5,000.00	1.13	232.05	4,885.72	-513.26	-658.11	834.60	2.00	-2.00	0.00
Start 3147.00 hold at 5056.29 MD - SUSSEX TOP									
5,056.29	0.00	0.00	4,942.00	-513.60	-658.55	835.15	2.00	-2.00	227.33
5,100.00	0.00	0.00	4,985.71	-513.60	-658.55	835.15	0.00	0.00	0.00
5,200.00	0.00	0.00	5,085.71	-513.60	-658.55	835.15	0.00	0.00	0.00
5,300.00	0.00	0.00	5,185.71	-513.60	-658.55	835.15	0.00	0.00	0.00
5,400.00	0.00	0.00	5,285.71	-513.60	-658.55	835.15	0.00	0.00	0.00
5,500.00	0.00	0.00	5,385.71	-513.60	-658.55	835.15	0.00	0.00	0.00
5,600.00	0.00	0.00	5,485.71	-513.60	-658.55	835.15	0.00	0.00	0.00
5,700.00	0.00	0.00	5,585.71	-513.60	-658.55	835.15	0.00	0.00	0.00
5,800.00	0.00	0.00	5,685.71	-513.60	-658.55	835.15	0.00	0.00	0.00
5,900.00	0.00	0.00	5,785.71	-513.60	-658.55	835.15	0.00	0.00	0.00



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 5-9		
Design:	PLAN #1 09-01-09 RHS		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,000.00	0.00	0.00	5,885.71	-513.60	-658.55	835.15	0.00	0.00	0.00
6,100.00	0.00	0.00	5,985.71	-513.60	-658.55	835.15	0.00	0.00	0.00
6,200.00	0.00	0.00	6,085.71	-513.60	-658.55	835.15	0.00	0.00	0.00
6,300.00	0.00	0.00	6,185.71	-513.60	-658.55	835.15	0.00	0.00	0.00
6,400.00	0.00	0.00	6,285.71	-513.60	-658.55	835.15	0.00	0.00	0.00
6,500.00	0.00	0.00	6,385.71	-513.60	-658.55	835.15	0.00	0.00	0.00
6,600.00	0.00	0.00	6,485.71	-513.60	-658.55	835.15	0.00	0.00	0.00
6,700.00	0.00	0.00	6,585.71	-513.60	-658.55	835.15	0.00	0.00	0.00
6,800.00	0.00	0.00	6,685.71	-513.60	-658.55	835.15	0.00	0.00	0.00
6,900.00	0.00	0.00	6,785.71	-513.60	-658.55	835.15	0.00	0.00	0.00
7,000.00	0.00	0.00	6,885.71	-513.60	-658.55	835.15	0.00	0.00	0.00
7,100.00	0.00	0.00	6,985.71	-513.60	-658.55	835.15	0.00	0.00	0.00
7,200.00	0.00	0.00	7,085.71	-513.60	-658.55	835.15	0.00	0.00	0.00
7,300.00	0.00	0.00	7,185.71	-513.60	-658.55	835.15	0.00	0.00	0.00
7,400.00	0.00	0.00	7,285.71	-513.60	-658.55	835.15	0.00	0.00	0.00
7,500.00	0.00	0.00	7,385.71	-513.60	-658.55	835.15	0.00	0.00	0.00
NIO A TOP									
7,598.29	0.00	0.00	7,484.00	-513.60	-658.55	835.15	0.00	0.00	0.00
7,600.00	0.00	0.00	7,485.71	-513.60	-658.55	835.15	0.00	0.00	0.00
7,700.00	0.00	0.00	7,585.71	-513.60	-658.55	835.15	0.00	0.00	0.00
7,800.00	0.00	0.00	7,685.71	-513.60	-658.55	835.15	0.00	0.00	0.00
7,900.00	0.00	0.00	7,785.71	-513.60	-658.55	835.15	0.00	0.00	0.00
8,000.00	0.00	0.00	7,885.71	-513.60	-658.55	835.15	0.00	0.00	0.00
CODELL TOP									
8,043.29	0.00	0.00	7,929.00	-513.60	-658.55	835.15	0.00	0.00	0.00
8,100.00	0.00	0.00	7,985.71	-513.60	-658.55	835.15	0.00	0.00	0.00
8,200.00	0.00	0.00	8,085.71	-513.60	-658.55	835.15	0.00	0.00	0.00
PBHL_TALON VIEW 5-9(1980 FNL 660 FWL)50° TGT RAD									
8,203.29	0.00	0.00	8,089.00	-513.60	-658.55	835.15	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	8,089.00	-513.60	-658.55	1,236,478.12	3,167,874.39	39° 58' 51.456 N	104° 54' 3.384 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 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_TALON VIEW 5-9		
Design:	PLAN #1 09-01-09 RHS		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,056.29	4,942.00	SUSSEX TOP			
7,598.29	7,484.00	NIO A TOP			
8,043.29	7,929.00	CODELL TOP			

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,400.00	1,400.00	0.00	0.00	Start Build 2.00
2,269.87	2,256.57	-80.60	-103.34	Start 1916.54 hold at 2269.87 MD
4,186.41	4,085.43	-433.01	-555.21	Start Drop -2.00
5,056.29	4,942.00	-513.60	-658.55	Start 3147.00 hold at 5056.29 MD
8,203.29	8,089.00	-513.60	-658.55	TD at 8203.29



US ROCKIES REGION PLANNING

**KERR MCGEE OIL & GAS ONSHORE LP
ADAMS_TALON VIEW 7 PAD
P_TALON VIEW 5-9**

**P_TALON VIEW 5-9
PLAN #1 09-01-09 RHS**

Anticollision Report

01 September, 2009





Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date 9/1/2009			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	8,203.29	PLAN #1 09-01-09 RHS (P_TALON VIEW	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ADAMS_TALON VIEW 7 PAD						
CHRISTIENSEN 12-9 EXISTING WELL - CHRISTIANSE	2,399.17	2,379.95	88.50	-10.43	0.895	Level 1, CC
CHRISTIENSEN 12-9 EXISTING WELL - CHRISTIANSE	2,400.00	2,380.74	88.50	-10.46	0.894	Level 1, ES, SF
CHRISTIENSEN 4-9 EXISTING WELL - CHRISTIANSEN	2,134.78	2,106.96	162.66	153.41	17.571	CC, ES
CHRISTIENSEN 4-9 EXISTING WELL - CHRISTIANSEN	2,269.87	2,226.20	170.65	160.48	16.778	SF
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,400.00	1,400.00	58.27	52.24	9.656	CC, ES
P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1	1,600.00	1,595.94	60.89	54.11	8.976	SF
P_TALON VIEW 12-9 - P_TALON VIEW 12-9 - PLAN #1	1,400.00	1,400.00	72.85	66.82	12.071	CC, ES
P_TALON VIEW 12-9 - P_TALON VIEW 12-9 - PLAN #1	1,800.00	1,790.16	82.17	74.62	10.883	SF
P_TALON VIEW 21-9 - P_TALON VIEW 21-9 - PLAN #1	1,585.26	1,584.82	26.76	19.97	3.944	CC, ES
P_TALON VIEW 21-9 - P_TALON VIEW 21-9 - PLAN #1	1,600.00	1,599.40	26.82	19.98	3.921	SF
P_TALON VIEW 22-9 - P_TALON VIEW 22-9 - PLAN #1	1,400.00	1,400.00	87.44	81.40	14.489	CC, ES
P_TALON VIEW 22-9 - P_TALON VIEW 22-9 - PLAN #1	1,700.00	1,690.52	93.84	86.69	13.137	SF
P_TALON VIEW 3-9 - P_TALON VIEW 3-9 - PLAN #1 05	1,572.09	1,572.16	10.33	3.58	1.530	CC, ES, SF
P_TALON VIEW 6-9 - P_TALON VIEW 6-9 - PLAN #1 05	1,467.89	1,467.28	43.69	37.39	6.926	CC
P_TALON VIEW 6-9 - P_TALON VIEW 6-9 - PLAN #1 05	1,500.00	1,499.06	43.72	37.28	6.792	ES
P_TALON VIEW 6-9 - P_TALON VIEW 6-9 - PLAN #1 05	1,600.00	1,597.65	44.79	37.98	6.580	SF

Offset Design										ADAMS_TALON VIEW 7 PAD - CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSEN 12-9 EXISTI				Offset Site Error:		0.00 ft	
Survey Program: 0-UNKNOWN														Offset Well Error:		0.00 ft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
0.00	0.00	0.00	0.00	0.00	0.00	-100.41	-34.59	-188.25	191.40								
100.00	100.00	100.00	100.00	0.10	1.76	-100.41	-34.59	-188.25	191.40	189.55	1.86	103.154					
200.00	200.00	200.00	200.00	0.32	5.76	-100.41	-34.59	-188.25	191.40	185.32	6.08	31.479					
300.00	300.00	300.00	300.00	0.55	9.76	-100.41	-34.59	-188.25	191.40	181.10	10.31	18.574					
400.00	400.00	400.00	400.00	0.77	13.76	-100.41	-34.59	-188.25	191.40	176.87	14.53	13.173					
500.00	500.00	500.00	500.00	0.99	17.76	-100.41	-34.59	-188.25	191.40	172.65	18.75	10.206					
600.00	600.00	600.00	600.00	1.22	21.76	-100.41	-34.59	-188.25	191.40	168.42	22.98	8.329					
700.00	700.00	700.00	700.00	1.44	25.76	-100.41	-34.59	-188.25	191.40	164.20	27.20	7.036					
800.00	800.00	800.00	800.00	1.67	29.76	-100.41	-34.59	-188.25	191.40	159.98	31.43	6.090					
900.00	900.00	900.00	900.00	1.89	33.76	-100.41	-34.59	-188.25	191.40	155.75	35.65	5.368					
1,000.00	1,000.00	1,000.00	1,000.00	2.12	37.76	-100.41	-34.59	-188.25	191.40	151.53	39.88	4.800					
1,100.00	1,100.00	1,100.00	1,100.00	2.34	41.76	-100.41	-34.59	-188.25	191.40	147.30	44.10	4.340					

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 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design ADAMS_TALON VIEW 7 PAD - CHRISTIANSEN 12-9 EXISTING WELL - CHRISTIANSEN 12-9 EXISTI												Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN												Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis					Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	45.76	-100.41	-34.59	-188.25	191.40	143.08	48.33	3.961	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	49.76	-100.41	-34.59	-188.25	191.40	138.85	52.55	3.642	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	53.76	-100.41	-34.59	-188.25	191.40	134.63	56.78	3.371	
1,500.00	1,499.98	1,499.98	1,499.98	3.22	57.76	27.80	-34.59	-188.25	189.86	128.91	60.95	3.115	
1,600.00	1,599.84	1,599.84	1,599.84	3.41	61.75	28.60	-34.59	-188.25	185.24	120.21	65.03	2.848	
1,700.00	1,699.45	1,699.45	1,699.45	3.60	65.74	30.02	-34.59	-188.25	177.64	108.59	69.05	2.573	
1,800.00	1,798.70	1,798.70	1,798.70	3.82	69.71	32.21	-34.59	-188.25	167.18	94.19	72.99	2.290	
1,900.00	1,897.47	1,897.47	1,897.47	4.06	73.66	35.46	-34.59	-188.25	154.13	77.24	76.89	2.005	
2,000.00	1,995.62	1,995.62	1,995.62	4.35	77.58	40.19	-34.59	-188.25	138.94	58.14	80.81	1.719	
2,100.00	2,093.06	2,093.06	2,093.06	4.67	81.48	47.15	-34.59	-188.25	122.44	37.58	84.87	1.443 Level 3	
2,200.00	2,189.64	2,189.64	2,189.64	5.05	85.35	57.46	-34.59	-188.25	106.22	16.93	89.29	1.190 Level 2	
2,269.87	2,256.57	2,256.57	2,256.57	5.36	88.02	67.37	-34.59	-188.25	96.58	3.89	92.69	1.042 Level 2	
2,300.00	2,285.32	2,285.32	2,285.32	5.49	89.17	72.27	-34.59	-188.25	93.34	-0.89	94.22	0.991 Level 1	
2,399.17	2,379.95	2,379.95	2,379.95	5.97	92.96	90.00	-34.59	-188.25	88.50	-10.43	98.93	0.895 Level 1, CC	
2,400.00	2,380.74	2,380.74	2,380.74	5.97	92.99	90.15	-34.59	-188.25	88.50	-10.46	98.96	0.894 Level 1, ES, SF	
2,500.00	2,476.17	2,476.17	2,476.17	6.48	96.81	108.01	-34.59	-188.25	93.49	-9.27	102.77	0.910 Level 1	
2,600.00	2,571.59	2,571.59	2,571.59	7.00	100.62	122.92	-34.59	-188.25	106.95	1.07	105.88	1.010 Level 2	
2,700.00	2,667.02	2,667.02	2,667.02	7.54	104.44	134.12	-34.59	-188.25	126.18	17.30	108.89	1.159 Level 2	
2,800.00	2,762.44	2,762.44	2,762.44	8.10	108.26	142.27	-34.59	-188.25	148.98	36.93	112.05	1.330 Level 3	
2,900.00	2,857.87	2,857.87	2,857.87	8.66	112.07	148.23	-34.59	-188.25	173.94	58.53	115.41	1.507	
3,000.00	2,953.29	2,953.29	2,953.29	9.23	115.89	152.69	-34.59	-188.25	200.26	81.34	118.92	1.684	
3,100.00	3,048.72	3,048.72	3,048.72	9.81	119.71	156.13	-34.59	-188.25	227.47	104.93	122.54	1.856	
3,200.00	3,144.14	3,144.14	3,144.14	10.39	123.53	158.83	-34.59	-188.25	255.28	129.05	126.23	2.022	
3,300.00	3,239.57	3,239.57	3,239.57	10.98	127.34	161.00	-34.59	-188.25	283.51	153.53	129.98	2.181	
3,400.00	3,335.00	3,335.00	3,335.00	11.58	131.16	162.78	-34.59	-188.25	312.06	178.29	133.77	2.333	
3,500.00	3,430.42	3,430.42	3,430.42	12.17	134.98	164.26	-34.59	-188.25	340.83	203.24	137.59	2.477	
3,600.00	3,525.85	3,525.85	3,525.85	12.77	138.79	165.52	-34.59	-188.25	369.79	228.36	141.43	2.615	
3,700.00	3,621.27	3,621.27	3,621.27	13.37	142.61	166.59	-34.59	-188.25	398.88	253.60	145.29	2.745	
3,800.00	3,716.70	3,716.70	3,716.70	13.98	146.43	167.51	-34.59	-188.25	428.09	278.93	149.16	2.870	
3,900.00	3,812.12	3,812.12	3,812.12	14.58	150.24	168.32	-34.59	-188.25	457.39	304.35	153.04	2.989	
4,000.00	3,907.55	3,907.55	3,907.55	15.19	154.06	169.03	-34.59	-188.25	486.76	329.82	156.93	3.102	
4,100.00	4,002.97	4,002.97	4,002.97	15.80	157.88	169.66	-34.59	-188.25	516.19	355.36	160.83	3.210	
4,186.41	4,085.43	4,085.43	4,085.43	16.33	161.18	170.15	-34.59	-188.25	541.66	377.45	164.20	3.299	
4,200.00	4,098.41	4,098.41	4,098.41	16.40	161.70	170.24	-34.59	-188.25	545.64	380.68	164.95	3.308	
4,300.00	4,194.47	4,194.47	4,194.47	16.84	165.54	170.80	-34.59	-188.25	573.06	402.62	170.44	3.362	
4,400.00	4,291.44	4,291.44	4,291.44	17.24	169.42	171.25	-34.59	-188.25	597.18	421.35	175.84	3.396	
4,500.00	4,389.20	4,389.20	4,389.20	17.60	173.33	171.61	-34.59	-188.25	617.96	436.85	181.12	3.412	
4,600.00	4,487.64	4,487.64	4,487.64	17.92	177.27	171.89	-34.59	-188.25	635.37	449.11	186.26	3.411	
4,700.00	4,586.63	4,586.63	4,586.63	18.20	181.23	172.11	-34.59	-188.25	649.37	458.13	191.23	3.396	
4,800.00	4,686.06	4,686.06	4,686.06	18.44	185.20	172.26	-34.59	-188.25	659.94	463.91	196.02	3.367	
4,900.00	4,785.79	4,785.79	4,785.79	18.63	189.19	172.36	-34.59	-188.25	667.07	466.46	200.61	3.325	
5,000.00	4,885.72	4,885.72	4,885.72	18.78	193.19	172.42	-34.59	-188.25	670.74	465.78	204.97	3.272	
5,056.29	4,942.00	4,942.00	4,942.00	18.85	195.44	44.47	-34.59	-188.25	671.29	463.98	207.31	3.238	
5,100.00	4,985.71	4,985.71	4,985.71	18.90	197.19	44.47	-34.59	-188.25	671.29	462.15	209.14	3.210	
5,200.00	5,085.71	5,085.71	5,085.71	19.02	201.19	44.47	-34.59	-188.25	671.29	457.97	213.32	3.147	
5,300.00	5,185.71	5,185.71	5,185.71	19.13	205.19	44.47	-34.59	-188.25	671.29	453.79	217.50	3.086	
5,400.00	5,285.71	5,285.71	5,285.71	19.25	209.19	44.47	-34.59	-188.25	671.29	449.61	221.69	3.028	
5,500.00	5,385.71	5,385.71	5,385.71	19.38	213.19	44.47	-34.59	-188.25	671.29	445.42	225.87	2.972	
5,600.00	5,485.71	5,485.71	5,485.71	19.50	217.19	44.47	-34.59	-188.25	671.29	441.24	230.06	2.918	
5,700.00	5,585.71	5,585.71	5,585.71	19.63	221.19	44.47	-34.59	-188.25	671.29	437.05	234.24	2.866	
5,800.00	5,685.71	5,685.71	5,685.71	19.75	225.19	44.47	-34.59	-188.25	671.29	432.86	238.43	2.815	
5,900.00	5,785.71	5,785.71	5,785.71	19.88	229.19	44.47	-34.59	-188.25	671.29	428.67	242.62	2.767	

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 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
6,000.00	5,885.71	5,885.71	5,885.71	20.01	233.19	44.47	-34.59	-188.25	671.29	424.48	246.81	2.720	
6,100.00	5,985.71	5,985.71	5,985.71	20.15	237.19	44.47	-34.59	-188.25	671.29	420.29	251.00	2.674	
6,200.00	6,085.71	6,085.71	6,085.71	20.28	241.19	44.47	-34.59	-188.25	671.29	416.10	255.19	2.631	
6,300.00	6,185.71	6,185.71	6,185.71	20.42	245.19	44.47	-34.59	-188.25	671.29	411.90	259.39	2.588	
6,400.00	6,285.71	6,285.71	6,285.71	20.55	249.19	44.47	-34.59	-188.25	671.29	407.71	263.58	2.547	
6,500.00	6,385.71	6,385.71	6,385.71	20.69	253.19	44.47	-34.59	-188.25	671.29	403.52	267.78	2.507	
6,600.00	6,485.71	6,485.71	6,485.71	20.83	257.19	44.47	-34.59	-188.25	671.29	399.32	271.97	2.468	
6,700.00	6,585.71	6,585.71	6,585.71	20.98	261.19	44.47	-34.59	-188.25	671.29	395.12	276.17	2.431	
6,800.00	6,685.71	6,685.71	6,685.71	21.12	265.19	44.47	-34.59	-188.25	671.29	390.92	280.37	2.394	
6,900.00	6,785.71	6,785.71	6,785.71	21.26	269.19	44.47	-34.59	-188.25	671.29	386.73	284.57	2.359	
7,000.00	6,885.71	6,885.71	6,885.71	21.41	273.19	44.47	-34.59	-188.25	671.29	382.53	288.77	2.325	
7,100.00	6,985.71	6,985.71	6,985.71	21.56	277.19	44.47	-34.59	-188.25	671.29	378.33	292.96	2.291	
7,200.00	7,085.71	7,085.71	7,085.71	21.71	281.19	44.47	-34.59	-188.25	671.29	374.13	297.17	2.259	
7,300.00	7,185.71	7,185.71	7,185.71	21.86	285.19	44.47	-34.59	-188.25	671.29	369.93	301.37	2.227	
7,400.00	7,285.71	7,285.71	7,285.71	22.01	289.19	44.47	-34.59	-188.25	671.29	365.72	305.57	2.197	
7,500.00	7,385.71	7,385.71	7,385.71	22.16	293.19	44.47	-34.59	-188.25	671.29	361.52	309.77	2.167	
7,600.00	7,485.71	7,485.71	7,485.71	22.31	297.19	44.47	-34.59	-188.25	671.29	357.32	313.97	2.138	
7,700.00	7,585.71	7,585.71	7,585.71	22.47	301.19	44.47	-34.59	-188.25	671.29	353.12	318.18	2.110	
7,800.00	7,685.71	7,685.71	7,685.71	22.63	305.19	44.47	-34.59	-188.25	671.29	348.91	322.38	2.082	
7,900.00	7,785.71	7,785.71	7,785.71	22.78	309.19	44.47	-34.59	-188.25	671.29	344.71	326.58	2.055	
8,000.00	7,885.71	7,885.71	7,885.71	22.94	313.19	44.47	-34.59	-188.25	671.29	340.50	330.79	2.029	
8,100.00	7,985.71	7,985.71	7,985.71	23.10	317.19	44.47	-34.59	-188.25	671.29	336.30	335.00	2.004	
8,203.29	8,089.00	8,089.00	8,089.00	23.27	321.32	44.47	-34.59	-188.25	671.29	331.95	339.34	1.978	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWMD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-108.89	-67.71	-197.91	209.17				
100.00	100.00	100.00	100.00	0.10	0.10	-108.89	-67.71	-197.91	209.17	208.98	0.19	1,075.876	
200.00	200.00	200.00	200.00	0.32	0.32	-108.89	-67.71	-197.91	209.17	208.53	0.64	324.828	
300.00	300.00	300.00	300.00	0.55	0.55	-108.89	-67.71	-197.91	209.17	208.08	1.09	191.292	
400.00	400.00	400.00	400.00	0.77	0.77	-108.89	-67.71	-197.91	209.17	207.63	1.54	135.562	
500.00	500.00	500.00	500.00	0.99	1.00	-108.89	-67.71	-197.91	209.17	207.18	1.99	104.978	
600.00	600.00	600.00	600.00	1.22	1.22	-108.89	-67.71	-197.91	209.17	206.73	2.44	85.654	
700.00	700.00	700.00	700.00	1.44	1.45	-108.89	-67.71	-197.91	209.17	206.28	2.89	72.338	
800.00	800.00	800.00	800.00	1.67	1.67	-108.89	-67.71	-197.91	209.17	205.83	3.34	62.606	
900.00	900.00	900.00	900.00	1.89	1.90	-108.89	-67.71	-197.91	209.17	205.38	3.79	55.181	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-108.89	-67.71	-197.91	209.17	204.93	4.24	49.331	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.35	-108.89	-67.71	-197.91	209.17	204.49	4.69	44.603	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	-108.89	-67.71	-197.91	209.17	204.04	5.14	40.701	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.80	-108.89	-67.71	-197.91	209.17	203.59	5.59	37.427	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	-108.89	-67.71	-197.91	209.17	203.14	6.04	34.641	
1,500.00	1,499.98	1,499.98	1,499.98	3.22	3.25	19.23	-67.71	-197.91	207.53	201.06	6.46	32.117	
1,600.00	1,599.84	1,598.63	1,598.61	3.41	3.47	20.22	-66.21	-198.71	202.89	196.03	6.85	29.601	
1,700.00	1,699.45	1,696.71	1,696.56	3.60	3.68	22.60	-61.74	-201.07	195.77	188.53	7.24	27.029	
1,800.00	1,798.70	1,793.81	1,793.29	3.82	3.91	26.56	-54.40	-204.95	186.80	179.16	7.63	24.467	
1,900.00	1,897.47	1,889.54	1,888.34	4.06	4.13	32.37	-44.33	-210.27	177.06	169.01	8.05	22.000	
2,000.00	1,995.62	1,983.55	1,981.26	4.35	4.37	40.23	-31.71	-216.94	168.32	159.82	8.51	19.784	
2,100.00	2,093.06	2,075.51	2,071.64	4.67	4.63	50.08	-16.77	-224.84	163.10	154.06	9.05	18.031	
2,134.78	2,126.75	2,106.96	2,102.43	4.80	4.73	53.88	-11.07	-227.85	162.66	153.41	9.26	17.571 CC, ES	
2,200.00	2,189.64	2,165.12	2,159.16	5.05	4.91	61.31	0.25	-233.83	164.41	154.73	9.68	16.985	
2,269.87	2,256.57	2,226.20	2,218.45	5.36	5.12	69.36	13.23	-240.69	170.65	160.48	10.17	16.778 SF	
2,300.00	2,285.32	2,252.18	2,243.57	5.49	5.22	72.80	19.09	-243.79	174.92	164.53	10.39	16.832	
2,400.00	2,380.74	2,341.45	2,329.62	5.97	5.56	83.53	40.11	-254.90	195.30	184.18	11.13	17.551	
2,500.00	2,476.17	2,432.01	2,416.88	6.48	5.93	92.37	61.50	-266.21	222.08	210.24	11.84	18.763	
2,600.00	2,571.59	2,522.56	2,504.14	7.00	6.32	99.36	82.90	-277.51	253.17	240.65	12.53	20.213	
2,700.00	2,667.02	2,613.11	2,591.40	7.54	6.72	104.88	104.29	-288.82	287.18	273.97	13.21	21.743	
2,800.00	2,762.44	2,703.67	2,678.66	8.10	7.14	109.27	125.69	-300.13	323.18	309.29	13.89	23.264	
2,900.00	2,857.87	2,794.22	2,765.92	8.66	7.56	112.81	147.08	-311.44	360.59	346.00	14.58	24.726	
3,000.00	2,953.29	2,884.78	2,853.18	9.23	8.00	115.70	168.48	-322.75	399.00	383.71	15.28	26.107	
3,100.00	3,048.72	2,975.33	2,940.44	9.81	8.44	118.09	189.87	-334.06	438.15	422.16	15.99	27.398	
3,200.00	3,144.14	3,065.89	3,027.71	10.39	8.89	120.11	211.27	-345.36	477.86	461.15	16.71	28.598	
3,300.00	3,239.57	3,156.44	3,114.97	10.98	9.34	121.81	232.66	-356.67	518.00	500.56	17.44	29.710	
3,400.00	3,335.00	3,247.00	3,202.23	11.58	9.80	123.28	254.06	-367.98	558.48	540.31	18.17	30.738	
3,500.00	3,430.42	3,337.55	3,289.49	12.17	10.26	124.55	275.45	-379.29	599.22	580.31	18.91	31.689	
3,600.00	3,525.85	3,428.11	3,376.75	12.77	10.72	125.66	296.85	-390.60	640.19	620.53	19.66	32.570	
3,700.00	3,621.27	3,518.66	3,464.01	13.37	11.19	126.64	318.24	-401.90	681.33	660.93	20.41	33.386	
3,800.00	3,716.70	3,609.22	3,551.27	13.98	11.66	127.50	339.64	-413.21	722.63	701.46	21.16	34.143	
3,900.00	3,812.12	3,699.77	3,638.53	14.58	12.13	128.28	361.03	-424.52	764.04	742.12	21.93	34.846	
4,000.00	3,907.55	3,790.32	3,725.79	15.19	12.61	128.98	382.43	-435.83	805.56	782.87	22.69	35.500	
4,100.00	4,002.97	3,880.88	3,813.06	15.80	13.08	129.60	403.82	-447.14	847.18	823.71	23.46	36.110	
4,186.41	4,085.43	3,959.13	3,888.46	16.33	13.50	130.10	422.31	-456.91	883.20	859.07	24.13	36.604	
4,200.00	4,098.41	3,971.44	3,900.33	16.40	13.56	130.27	425.22	-458.45	888.84	864.61	24.24	36.676	
4,300.00	4,194.47	4,062.71	3,988.27	16.84	14.05	131.34	446.78	-469.84	929.27	904.31	24.97	37.219	
4,400.00	4,291.44	4,155.01	4,077.22	17.24	14.54	132.17	468.59	-481.37	967.61	941.92	25.69	37.663	
4,500.00	4,389.20	4,248.24	4,167.05	17.60	15.03	132.77	490.62	-493.01	1,003.77	977.37	26.40	38.024	
4,600.00	4,487.64	4,342.27	4,257.67	17.92	15.53	133.18	512.84	-504.75	1,037.72	1,010.64	27.08	38.316	
4,700.00	4,586.63	4,437.00	4,348.95	18.20	16.04	133.41	535.22	-516.58	1,069.42	1,041.68	27.74	38.551	
4,800.00	4,686.06	4,532.31	4,440.79	18.44	16.55	133.47	557.73	-528.48	1,098.87	1,070.51	28.36	38.741	

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 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,785.79	4,628.08	4,533.08	18.63	17.06	133.39	580.36	-540.44	1,126.08	1,097.13	28.95	38.893		
5,000.00	4,885.72	4,724.20	4,625.70	18.78	17.58	133.16	603.07	-552.45	1,151.08	1,121.58	29.50	39.017		
5,056.29	4,942.00	4,778.41	4,677.94	18.85	17.87	5.03	615.88	-559.22	1,164.19	1,134.39	29.79	39.076		
5,100.00	4,985.71	4,820.53	4,718.53	18.90	18.10	4.72	625.83	-564.48	1,174.12	1,144.11	30.01	39.123		
5,200.00	5,085.71	4,916.89	4,811.39	19.02	18.62	4.04	648.60	-576.51	1,196.96	1,166.44	30.51	39.230		
5,300.00	5,185.71	5,013.26	4,904.25	19.13	19.14	3.38	671.37	-588.54	1,219.95	1,188.95	31.01	39.345		
5,400.00	5,285.71	5,109.62	4,997.11	19.25	19.66	2.75	694.13	-600.58	1,243.10	1,211.60	31.50	39.467		
5,500.00	5,385.71	5,207.92	5,091.84	19.38	20.19	2.13	717.36	-612.85	1,266.38	1,234.39	31.99	39.590		
5,600.00	5,485.71	5,367.26	5,246.55	19.50	20.86	1.27	750.97	-630.62	1,287.29	1,254.72	32.58	39.517		
5,700.00	5,585.71	5,530.53	5,407.03	19.63	21.39	0.62	777.47	-644.62	1,303.46	1,270.36	33.09	39.388		
5,800.00	5,685.71	5,696.78	5,571.91	19.75	21.82	0.18	796.11	-654.47	1,314.65	1,281.08	33.57	39.161		
5,900.00	5,785.71	5,864.95	5,739.66	19.88	22.14	-0.06	806.32	-659.87	1,320.73	1,286.73	34.00	38.845		
6,000.00	5,885.71	6,011.04	5,885.71	20.01	22.33	-0.10	808.29	-660.91	1,321.90	1,287.53	34.37	38.465		
6,100.00	5,985.71	6,111.04	5,985.71	20.15	22.45	-0.10	808.29	-660.91	1,321.90	1,287.21	34.69	38.109		
6,200.00	6,085.71	6,211.04	6,085.71	20.28	22.58	-0.10	808.29	-660.91	1,321.90	1,286.89	35.01	37.757		
6,300.00	6,185.71	6,311.04	6,185.71	20.42	22.71	-0.10	808.29	-660.91	1,321.90	1,286.56	35.34	37.408		
6,400.00	6,285.71	6,411.04	6,285.71	20.55	22.84	-0.10	808.29	-660.91	1,321.90	1,286.23	35.67	37.063		
6,500.00	6,385.71	6,511.04	6,385.71	20.69	22.97	-0.10	808.29	-660.91	1,321.90	1,285.90	36.00	36.721		
6,600.00	6,485.71	6,611.04	6,485.71	20.83	23.10	-0.10	808.29	-660.91	1,321.90	1,285.57	36.33	36.384		
6,700.00	6,585.71	6,711.04	6,585.71	20.98	23.23	-0.10	808.29	-660.91	1,321.90	1,285.23	36.67	36.050		
6,800.00	6,685.71	6,811.04	6,685.71	21.12	23.37	-0.10	808.29	-660.91	1,321.90	1,284.89	37.01	35.719		
6,900.00	6,785.71	6,911.04	6,785.71	21.26	23.50	-0.10	808.29	-660.91	1,321.90	1,284.55	37.35	35.393		
7,000.00	6,885.71	7,011.04	6,885.71	21.41	23.64	-0.10	808.29	-660.91	1,321.90	1,284.20	37.69	35.070		
7,100.00	6,985.71	7,111.04	6,985.71	21.56	23.78	-0.10	808.29	-660.91	1,321.90	1,283.86	38.04	34.751		
7,200.00	7,085.71	7,211.04	7,085.71	21.71	23.92	-0.10	808.29	-660.91	1,321.90	1,283.51	38.39	34.437		
7,300.00	7,185.71	7,311.04	7,185.71	21.86	24.06	-0.10	808.29	-660.91	1,321.90	1,283.16	38.74	34.125		
7,400.00	7,285.71	7,411.04	7,285.71	22.01	24.21	-0.10	808.29	-660.91	1,321.90	1,282.81	39.09	33.818		
7,500.00	7,385.71	7,511.04	7,385.71	22.16	24.35	-0.10	808.29	-660.91	1,321.90	1,282.45	39.44	33.515		
7,600.00	7,485.71	7,611.04	7,485.71	22.31	24.50	-0.10	808.29	-660.91	1,321.90	1,282.10	39.80	33.215		
7,700.00	7,585.71	7,625.32	7,500.00	22.47	24.52	-0.10	808.29	-660.91	1,324.67	1,284.68	40.00	33.120		
7,800.00	7,685.71	7,625.32	7,500.00	22.63	24.52	-0.10	808.29	-660.91	1,334.88	1,294.71	40.17	33.233		
7,900.00	7,785.71	7,625.32	7,500.00	22.78	24.52	-0.10	808.29	-660.91	1,352.42	1,312.08	40.34	33.526		
8,000.00	7,885.71	7,625.32	7,500.00	22.94	24.52	-0.10	808.29	-660.91	1,377.02	1,336.51	40.51	33.989		
8,100.00	7,985.71	7,625.32	7,500.00	23.10	24.52	-0.10	808.29	-660.91	1,408.31	1,367.62	40.69	34.612		
8,203.29	8,089.00	7,625.32	7,500.00	23.27	24.52	-0.10	808.29	-660.91	1,447.18	1,406.31	40.87	35.410		



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-180.00	-58.27	0.00	58.27					
100.00	100.00	100.00	100.00	0.10	0.10	-180.00	-58.27	0.00	58.27	58.08	0.19	305.003		
200.00	200.00	200.00	200.00	0.32	0.32	-180.00	-58.27	0.00	58.27	57.63	0.64	90.966		
300.00	300.00	300.00	300.00	0.55	0.55	-180.00	-58.27	0.00	58.27	57.18	1.09	53.454		
400.00	400.00	400.00	400.00	0.77	0.77	-180.00	-58.27	0.00	58.27	56.73	1.54	37.847		
500.00	500.00	500.00	500.00	0.99	0.99	-180.00	-58.27	0.00	58.27	56.28	1.99	29.294		
600.00	600.00	600.00	600.00	1.22	1.22	-180.00	-58.27	0.00	58.27	55.83	2.44	23.894		
700.00	700.00	700.00	700.00	1.44	1.44	-180.00	-58.27	0.00	58.27	55.38	2.89	20.175		
800.00	800.00	800.00	800.00	1.67	1.67	-180.00	-58.27	0.00	58.27	54.93	3.34	17.458		
900.00	900.00	900.00	900.00	1.89	1.89	-180.00	-58.27	0.00	58.27	54.48	3.79	15.386		
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-180.00	-58.27	0.00	58.27	54.03	4.24	13.753		
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	-180.00	-58.27	0.00	58.27	53.58	4.69	12.434		
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	-180.00	-58.27	0.00	58.27	53.14	5.14	11.346		
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	-180.00	-58.27	0.00	58.27	52.69	5.59	10.433		
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	-180.00	-58.27	0.00	58.27	52.24	6.03	9.656 CC, ES		
1,500.00	1,499.98	1,498.09	1,498.07	3.22	3.21	-53.93	-59.84	0.59	58.83	52.40	6.43	9.151		
1,600.00	1,599.84	1,595.94	1,595.79	3.41	3.38	-59.32	-64.54	2.37	60.89	54.11	6.78	8.976 SF		
1,700.00	1,699.45	1,693.30	1,692.79	3.60	3.56	-67.35	-72.31	5.30	65.44	58.28	7.16	9.145		
1,800.00	1,798.70	1,789.94	1,788.74	3.82	3.76	-76.54	-83.06	9.36	73.66	66.11	7.55	9.751		
1,900.00	1,897.47	1,885.64	1,883.32	4.06	3.98	-85.37	-96.69	14.50	86.45	78.46	7.99	10.821		
2,000.00	1,995.62	1,980.18	1,976.22	4.35	4.23	-92.89	-113.05	20.68	104.11	95.64	8.47	12.291		
2,100.00	2,093.06	2,073.37	2,067.19	4.67	4.52	-98.84	-131.97	27.82	126.58	117.57	9.01	14.048		
2,200.00	2,189.64	2,165.02	2,155.96	5.05	4.84	-103.37	-153.27	35.86	153.57	143.95	9.62	15.968		
2,269.87	2,256.57	2,228.06	2,216.58	5.36	5.09	-105.84	-169.46	41.97	174.96	164.87	10.09	17.348		
2,300.00	2,285.32	2,255.01	2,242.37	5.49	5.21	-106.91	-176.76	44.73	184.76	174.45	10.30	17.936		
2,400.00	2,380.74	2,343.67	2,326.70	5.97	5.62	-109.46	-202.37	54.40	219.08	208.03	11.05	19.825		
2,500.00	2,476.17	2,431.03	2,408.92	6.48	6.08	-110.89	-229.98	64.82	255.85	243.99	11.85	21.588		
2,600.00	2,571.59	2,516.95	2,488.87	7.00	6.57	-111.59	-259.42	75.93	294.79	282.09	12.70	23.217		
2,700.00	2,667.02	2,601.33	2,566.43	7.54	7.11	-111.80	-290.49	87.66	335.76	322.18	13.58	24.722		
2,800.00	2,762.44	2,690.82	2,648.01	8.10	7.73	-111.79	-324.91	100.65	378.00	363.47	14.53	26.017		
2,900.00	2,857.87	2,781.45	2,730.61	8.66	8.38	-111.78	-359.78	113.82	420.27	404.76	15.51	27.102		
3,000.00	2,953.29	2,872.08	2,813.22	9.23	9.05	-111.77	-394.66	126.99	462.53	446.03	16.50	28.024		
3,100.00	3,048.72	2,962.71	2,895.83	9.81	9.73	-111.76	-429.54	140.15	504.80	487.28	17.52	28.814		
3,200.00	3,144.14	3,053.33	2,978.43	10.39	10.42	-111.75	-464.42	153.32	547.06	528.52	18.55	29.494		
3,300.00	3,239.57	3,143.96	3,061.04	10.98	11.11	-111.74	-499.30	166.49	589.33	569.74	19.59	30.086		
3,400.00	3,335.00	3,234.59	3,143.64	11.58	11.82	-111.74	-534.18	179.66	631.60	610.96	20.64	30.603		
3,500.00	3,430.42	3,325.22	3,226.25	12.17	12.53	-111.73	-569.06	192.82	673.86	652.17	21.70	31.057		
3,600.00	3,525.85	3,415.85	3,308.85	12.77	13.24	-111.73	-603.94	205.99	716.13	693.37	22.76	31.460		
3,700.00	3,621.27	3,506.48	3,391.46	13.37	13.96	-111.72	-638.82	219.16	758.39	734.56	23.83	31.819		
3,800.00	3,716.70	3,597.11	3,474.06	13.98	14.68	-111.72	-673.70	232.32	800.66	775.75	24.91	32.140		
3,900.00	3,812.12	3,687.74	3,556.67	14.58	15.41	-111.72	-708.57	245.49	842.93	816.93	25.99	32.429		
4,000.00	3,907.55	3,778.36	3,639.27	15.19	16.14	-111.71	-743.45	258.66	885.19	858.11	27.08	32.690		
4,100.00	4,002.97	3,868.99	3,721.88	15.80	16.87	-111.71	-778.33	271.82	927.46	899.29	28.17	32.928		
4,186.41	4,085.43	3,947.31	3,793.26	16.33	17.50	-111.71	-808.47	283.20	963.98	934.87	29.11	33.116		
4,200.00	4,098.41	3,959.63	3,804.49	16.40	17.60	-111.83	-813.21	284.99	969.71	940.45	29.26	33.136		
4,300.00	4,194.47	4,050.58	3,887.39	16.84	18.34	-112.54	-848.22	298.20	1,011.23	980.92	30.31	33.362		
4,400.00	4,291.44	4,141.94	3,970.66	17.24	19.08	-113.04	-883.38	311.48	1,051.53	1,020.22	31.31	33.580		
4,500.00	4,389.20	4,233.62	4,054.22	17.60	19.83	-113.35	-918.66	324.80	1,090.63	1,058.36	32.27	33.798		
4,600.00	4,487.64	4,325.49	4,137.96	17.92	20.58	-113.49	-954.02	338.14	1,128.53	1,095.36	33.17	34.022		
4,700.00	4,586.63	4,417.44	4,221.77	18.20	21.33	-113.48	-989.40	351.50	1,165.29	1,131.28	34.01	34.259		
4,800.00	4,686.06	4,509.36	4,305.56	18.44	22.08	-113.33	-1,024.78	364.86	1,200.95	1,166.16	34.79	34.515		
4,900.00	4,785.79	4,601.15	4,389.22	18.63	22.83	-113.06	-1,060.11	378.19	1,235.59	1,200.08	35.51	34.795		

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 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design ADAMS_TALON VIEW 7 PAD - P_TALON VIEW 11-9 - P_TALON VIEW 11-9 - PLAN #1 09-01-09 RHS												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
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	4,885.72	4,692.68	4,472.65	18.78	23.58	-112.68	-1,095.33	391.49	1,269.29	1,233.13	36.16	35.104	
5,056.29	4,942.00	4,744.05	4,519.47	18.85	24.00	119.63	-1,115.10	398.95	1,287.88	1,251.39	36.49	35.290	
5,100.00	4,985.71	4,783.89	4,555.78	18.90	24.33	120.12	-1,130.44	404.74	1,302.27	1,265.57	36.70	35.483	
5,200.00	5,085.71	4,875.04	4,638.86	19.02	25.08	121.20	-1,165.52	417.98	1,335.51	1,298.34	37.16	35.935	
5,300.00	5,185.71	4,966.19	4,721.94	19.13	25.83	122.23	-1,200.59	431.23	1,369.18	1,331.56	37.61	36.402	
5,400.00	5,285.71	5,057.33	4,805.02	19.25	26.57	123.21	-1,235.67	444.47	1,403.24	1,365.19	38.05	36.879	
5,500.00	5,385.71	5,148.48	4,888.10	19.38	27.32	124.15	-1,270.75	457.71	1,437.68	1,399.20	38.48	37.366	
5,600.00	5,485.71	5,239.63	4,971.17	19.50	28.07	125.05	-1,305.83	470.95	1,472.46	1,433.57	38.89	37.861	
5,700.00	5,585.71	5,330.78	5,054.25	19.63	28.83	125.90	-1,340.91	484.19	1,507.56	1,468.26	39.30	38.362	
5,800.00	5,685.71	5,421.92	5,137.33	19.75	29.58	126.72	-1,375.99	497.44	1,542.96	1,503.26	39.70	38.868	
5,900.00	5,785.71	5,513.07	5,220.41	19.88	30.33	127.51	-1,411.06	510.68	1,578.64	1,538.55	40.09	39.377	
6,000.00	5,885.71	5,604.22	5,303.49	20.01	31.08	128.26	-1,446.14	523.92	1,614.57	1,574.10	40.48	39.888	
6,100.00	5,985.71	5,695.36	5,386.56	20.15	31.83	128.98	-1,481.22	537.16	1,650.75	1,609.89	40.86	40.401	
6,200.00	6,085.71	5,786.51	5,469.64	20.28	32.59	129.67	-1,516.30	550.41	1,687.16	1,645.92	41.24	40.915	
6,300.00	6,185.71	5,877.66	5,552.72	20.42	33.34	130.33	-1,551.38	563.65	1,723.78	1,682.17	41.61	41.428	
6,400.00	6,285.71	5,968.80	5,635.43	20.55	34.21	131.10	-1,586.46	576.92	1,760.51	1,718.50	42.01	41.907	
6,500.00	6,385.71	6,059.95	5,718.55	20.69	35.40	132.32	-1,621.54	590.16	1,797.48	1,755.00	42.48	42.218	
6,600.00	6,485.71	6,150.10	5,801.27	20.83	36.43	133.28	-1,656.62	603.40	1,834.46	1,792.14	43.00	42.330	
6,700.00	6,585.71	6,240.25	5,883.11	20.98	37.27	133.98	-1,691.70	616.64	1,871.44	1,827.40	43.55	42.251	
6,800.00	6,685.71	6,330.40	5,964.27	21.12	37.89	134.42	-1,726.78	629.88	1,908.42	1,862.41	44.06	42.040	
6,900.00	6,785.71	6,420.55	6,045.43	21.26	38.23	134.59	-1,761.86	643.12	1,945.40	1,897.42	44.53	41.714	
7,000.00	6,885.71	6,510.70	6,126.59	21.41	38.33	134.59	-1,796.94	656.36	1,982.38	1,932.40	44.82	41.445	
7,100.00	6,985.71	6,600.85	6,207.75	21.56	38.40	134.59	-1,832.02	669.60	1,999.36	1,949.38	45.08	41.203	
7,200.00	7,085.71	6,691.00	6,288.91	21.71	38.48	134.59	-1,867.10	682.84	1,985.34	1,935.36	45.35	40.961	
7,300.00	7,185.71	6,781.15	6,370.07	21.86	38.55	134.59	-1,897.18	696.08	1,971.32	1,921.34	45.62	40.719	
7,400.00	7,285.71	6,871.30	6,451.23	22.01	38.63	134.59	-1,927.26	709.32	1,957.30	1,907.32	45.89	40.478	
7,500.00	7,385.71	6,961.45	6,532.39	22.16	38.70	134.59	-1,957.34	722.56	1,943.28	1,893.30	46.16	40.237	
7,600.00	7,485.71	7,051.60	6,613.55	22.31	38.78	134.59	-1,987.42	735.80	1,929.26	1,879.28	46.44	39.997	
7,700.00	7,585.71	7,141.75	6,694.71	22.47	38.86	134.59	-2,017.50	749.04	1,915.24	1,865.26	46.72	39.757	
7,800.00	7,685.71	7,231.90	6,775.87	22.63	38.94	134.59	-2,047.58	762.28	1,901.22	1,851.24	47.00	39.518	
7,900.00	7,785.71	7,322.05	6,857.03	22.78	39.02	134.59	-2,077.66	775.52	1,887.20	1,837.22	47.29	39.280	
8,000.00	7,885.71	7,412.20	6,938.19	22.94	39.11	134.59	-2,107.74	788.76	1,873.18	1,823.20	47.58	39.042	
8,100.00	7,985.71	7,502.35	7,019.35	23.10	39.19	134.59	-2,137.82	802.00	1,859.16	1,809.18	47.87	38.806	
8,203.29	8,089.00	7,592.50	7,100.51	23.27	39.28	134.59	-2,167.90	815.24	1,845.14	1,795.16	48.17	38.562	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-180.00	-72.85	0.00	72.85				
100.00	100.00	100.00	100.00	0.10	0.10	-180.00	-72.85	0.00	72.85	72.66	0.19	381.314	
200.00	200.00	200.00	200.00	0.32	0.32	-180.00	-72.85	0.00	72.85	72.21	0.64	113.725	
300.00	300.00	300.00	300.00	0.55	0.55	-180.00	-72.85	0.00	72.85	71.76	1.09	66.828	
400.00	400.00	400.00	400.00	0.77	0.77	-180.00	-72.85	0.00	72.85	71.31	1.54	47.316	
500.00	500.00	500.00	500.00	0.99	0.99	-180.00	-72.85	0.00	72.85	70.86	1.99	36.623	
600.00	600.00	600.00	600.00	1.22	1.22	-180.00	-72.85	0.00	72.85	70.41	2.44	29.873	
700.00	700.00	700.00	700.00	1.44	1.44	-180.00	-72.85	0.00	72.85	69.96	2.89	25.223	
800.00	800.00	800.00	800.00	1.67	1.67	-180.00	-72.85	0.00	72.85	69.51	3.34	21.826	
900.00	900.00	900.00	900.00	1.89	1.89	-180.00	-72.85	0.00	72.85	69.06	3.79	19.235	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-180.00	-72.85	0.00	72.85	68.61	4.24	17.195	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	-180.00	-72.85	0.00	72.85	68.16	4.69	15.545	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	-180.00	-72.85	0.00	72.85	67.71	5.14	14.185	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	-180.00	-72.85	0.00	72.85	67.27	5.59	13.043	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	-180.00	-72.85	0.00	72.85	66.82	6.03	12.071 CC, ES	
1,500.00	1,499.98	1,497.66	1,497.64	3.22	3.21	-52.64	-74.41	-0.58	73.38	66.95	6.43	11.415	
1,600.00	1,599.84	1,595.28	1,595.12	3.41	3.38	-54.35	-79.09	-2.31	75.01	68.23	6.78	11.062	
1,700.00	1,699.45	1,692.79	1,692.28	3.60	3.56	-57.04	-86.87	-5.19	77.88	70.73	7.15	10.890	
1,800.00	1,798.70	1,790.16	1,788.95	3.82	3.76	-60.46	-97.73	-9.21	82.17	74.62	7.55	10.883 SF	
1,900.00	1,897.47	1,887.33	1,884.99	4.06	3.98	-64.33	-111.63	-14.36	88.07	80.07	7.99	11.021	
2,000.00	1,995.62	1,984.27	1,980.23	4.35	4.23	-68.35	-128.53	-20.62	95.75	87.26	8.49	11.272	
2,100.00	2,093.06	2,080.92	2,074.53	4.67	4.53	-72.30	-148.38	-27.97	105.35	96.27	9.08	11.602	
2,200.00	2,189.64	2,177.25	2,167.75	5.05	4.87	-75.98	-171.12	-36.40	116.94	107.17	9.77	11.971	
2,269.87	2,256.57	2,244.34	2,232.17	5.36	5.14	-78.34	-188.69	-42.90	126.22	115.90	10.32	12.233	
2,300.00	2,285.32	2,273.22	2,259.76	5.49	5.27	-79.32	-196.69	-45.86	130.56	119.99	10.57	12.350	
2,400.00	2,380.74	2,368.85	2,350.49	5.97	5.72	-81.51	-225.02	-56.36	146.52	135.06	11.45	12.791	
2,500.00	2,476.17	2,463.99	2,439.70	6.48	6.22	-82.36	-256.01	-67.84	164.63	152.24	12.39	13.287	
2,600.00	2,571.59	2,558.43	2,527.12	7.00	6.79	-82.26	-289.51	-80.24	184.75	171.38	13.37	13.821	
2,700.00	2,667.02	2,653.68	2,614.16	7.54	7.41	-81.53	-325.78	-93.67	206.68	192.31	14.38	14.376	
2,800.00	2,762.44	2,751.12	2,702.98	8.10	8.08	-80.81	-363.35	-107.59	229.00	213.58	15.43	14.845	
2,900.00	2,857.87	2,848.56	2,791.80	8.66	8.78	-80.22	-400.93	-121.51	251.35	234.85	16.50	15.235	
3,000.00	2,953.29	2,946.00	2,880.62	9.23	9.48	-79.72	-438.51	-135.43	273.71	256.13	17.59	15.564	
3,100.00	3,048.72	3,043.44	2,969.44	9.81	10.21	-79.30	-476.08	-149.34	296.10	277.41	18.69	15.843	
3,200.00	3,144.14	3,140.88	3,058.26	10.39	10.94	-78.94	-513.66	-163.26	318.50	298.69	19.81	16.081	
3,300.00	3,239.57	3,238.32	3,147.08	10.98	11.67	-78.63	-551.24	-177.18	340.90	319.97	20.93	16.288	
3,400.00	3,335.00	3,335.77	3,235.90	11.58	12.42	-78.36	-588.82	-191.09	363.32	341.25	22.06	16.467	
3,500.00	3,430.42	3,433.21	3,324.72	12.17	13.17	-78.11	-626.39	-205.01	385.74	362.54	23.20	16.624	
3,600.00	3,525.85	3,530.65	3,413.54	12.77	13.93	-77.90	-663.97	-218.93	408.17	383.82	24.35	16.763	
3,700.00	3,621.27	3,628.09	3,502.36	13.37	14.69	-77.70	-701.55	-232.85	430.60	405.10	25.50	16.886	
3,800.00	3,716.70	3,725.53	3,591.18	13.98	15.45	-77.53	-739.12	-246.76	453.04	426.38	26.66	16.996	
3,900.00	3,812.12	3,822.97	3,680.01	14.58	16.22	-77.37	-776.70	-260.68	475.48	447.67	27.81	17.095	
4,000.00	3,907.55	3,920.42	3,768.83	15.19	16.98	-77.23	-814.28	-274.60	497.92	468.95	28.98	17.184	
4,100.00	4,002.97	4,017.86	3,857.65	15.80	17.75	-77.10	-851.85	-288.51	520.37	490.23	30.14	17.265	
4,186.41	4,085.43	4,102.06	3,934.40	16.33	18.42	-76.99	-884.33	-300.54	539.77	508.62	31.15	17.329	
4,200.00	4,098.41	4,115.30	3,946.47	16.40	18.53	-77.03	-889.43	-302.43	542.83	511.52	31.30	17.341	
4,300.00	4,194.47	4,212.57	4,035.14	16.84	19.30	-77.16	-926.94	-316.32	565.77	533.45	32.32	17.504	
4,400.00	4,291.44	4,309.50	4,123.49	17.24	20.07	-76.99	-964.32	-330.17	589.51	556.26	33.24	17.733	
4,500.00	4,389.20	4,405.96	4,211.42	17.60	20.84	-76.56	-1,001.52	-343.95	614.12	580.06	34.06	18.029	
4,600.00	4,487.64	4,501.84	4,298.81	17.92	21.61	-75.92	-1,038.50	-357.64	639.71	604.93	34.78	18.394	
4,700.00	4,586.63	4,597.02	4,385.57	18.20	22.37	-75.10	-1,075.20	-371.23	666.42	631.03	35.39	18.830	
4,800.00	4,686.06	4,691.38	4,471.58	18.44	23.12	-74.14	-1,111.59	-384.71	694.39	658.49	35.90	19.343	
4,900.00	4,785.79	4,784.81	4,556.74	18.63	23.87	-73.07	-1,147.62	-398.05	723.80	687.47	36.33	19.924	

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 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design ADAMS_TALON VIEW 7 PAD - P_TALON VIEW 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	4,885.72	4,877.19	4,640.95	18.78	24.61	-71.91	-1,183.24	-411.25	754.80	718.12	36.68	20.578	
5,056.29	4,942.00	4,928.69	4,687.89	18.85	25.02	160.81	-1,203.10	-418.60	773.01	736.17	36.84	20.983	
5,100.00	4,985.71	4,968.53	4,724.22	18.90	25.34	161.62	-1,218.47	-424.30	787.46	750.57	36.89	21.348	
5,200.00	5,085.71	5,059.69	4,807.30	19.02	26.08	163.36	-1,253.62	-437.31	821.02	784.02	37.00	22.189	
5,300.00	5,185.71	5,150.84	4,890.39	19.13	26.81	164.97	-1,288.77	-450.33	855.25	818.13	37.12	23.038	
5,400.00	5,285.71	5,241.99	4,973.48	19.25	27.54	166.46	-1,323.92	-463.35	890.06	852.80	37.26	23.890	
5,500.00	5,385.71	5,333.14	5,056.57	19.38	28.27	167.84	-1,359.08	-476.37	925.39	887.99	37.40	24.743	
5,600.00	5,485.71	5,424.30	5,139.66	19.50	29.01	169.13	-1,394.23	-489.39	961.18	923.62	37.56	25.592	
5,700.00	5,585.71	5,515.45	5,222.75	19.63	29.74	170.32	-1,429.38	-502.41	997.38	959.65	37.73	26.436	
5,800.00	5,685.71	5,606.60	5,305.84	19.75	30.48	171.44	-1,464.53	-515.43	1,033.95	996.04	37.91	27.272	
5,900.00	5,785.71	5,697.76	5,388.92	19.88	31.21	172.48	-1,499.68	-528.45	1,070.85	1,032.74	38.11	28.099	
6,000.00	5,885.71	5,788.91	5,472.01	20.01	31.95	173.46	-1,534.84	-541.47	1,108.05	1,069.73	38.32	28.916	
6,100.00	5,985.71	5,880.06	5,555.10	20.15	32.68	174.37	-1,569.99	-554.48	1,145.51	1,106.97	38.54	29.720	
6,200.00	6,085.71	5,982.16	5,648.23	20.28	33.47	175.33	-1,609.24	-569.02	1,183.14	1,144.36	38.78	30.509	
6,300.00	6,185.71	6,133.08	5,787.95	20.42	34.31	176.53	-1,662.70	-588.82	1,217.99	1,178.98	39.01	31.222	
6,400.00	6,285.71	6,290.25	5,936.43	20.55	35.08	177.52	-1,710.96	-606.69	1,248.33	1,209.04	39.29	31.769	
6,500.00	6,385.71	6,453.06	6,092.98	20.69	35.77	178.32	-1,752.82	-622.20	1,273.84	1,234.22	39.62	32.153	
6,600.00	6,485.71	6,620.72	6,256.57	20.83	36.37	178.94	-1,787.14	-634.91	1,294.20	1,254.23	39.97	32.375	
6,700.00	6,585.71	6,792.25	6,425.86	20.98	36.86	179.38	-1,812.91	-644.45	1,309.18	1,268.83	40.35	32.445	
6,800.00	6,685.71	6,966.53	6,599.23	21.12	37.21	179.65	-1,829.31	-650.53	1,318.57	1,277.84	40.73	32.372	
6,900.00	6,785.71	7,142.31	6,774.84	21.26	37.43	179.76	-1,835.82	-652.94	1,322.27	1,281.15	41.12	32.158	
7,000.00	6,885.71	7,253.18	6,885.71	21.41	37.52	179.76	-1,835.92	-652.98	1,322.33	1,280.90	41.42	31.922	
7,100.00	6,985.71	7,353.18	6,985.71	21.56	37.59	179.76	-1,835.92	-652.98	1,322.33	1,280.61	41.72	31.699	
7,200.00	7,085.71	7,453.18	7,085.71	21.71	37.67	179.76	-1,835.92	-652.98	1,322.33	1,280.32	42.01	31.476	
7,300.00	7,185.71	7,553.18	7,185.71	21.86	37.74	179.76	-1,835.92	-652.98	1,322.33	1,280.02	42.31	31.255	
7,400.00	7,285.71	7,653.18	7,285.71	22.01	37.82	179.76	-1,835.92	-652.98	1,322.33	1,279.72	42.61	31.036	
7,500.00	7,385.71	7,753.18	7,385.71	22.16	37.90	179.76	-1,835.92	-652.98	1,322.33	1,279.42	42.91	30.817	
7,600.00	7,485.71	7,853.18	7,485.71	22.31	37.98	179.76	-1,835.92	-652.98	1,322.33	1,279.11	43.21	30.599	
7,700.00	7,585.71	7,953.18	7,585.71	22.47	38.06	179.76	-1,835.92	-652.98	1,322.33	1,278.80	43.52	30.383	
7,800.00	7,685.71	8,053.18	7,685.71	22.63	38.14	179.76	-1,835.92	-652.98	1,322.33	1,278.50	43.83	30.169	
7,900.00	7,785.71	8,153.18	7,785.71	22.78	38.22	179.76	-1,835.92	-652.98	1,322.33	1,278.18	44.14	29.955	
8,000.00	7,885.71	8,253.18	7,885.71	22.94	38.30	179.76	-1,835.92	-652.98	1,322.33	1,277.87	44.46	29.744	
8,100.00	7,985.71	8,353.18	7,985.71	23.10	38.39	179.76	-1,835.92	-652.98	1,322.33	1,277.55	44.77	29.533	
8,203.29	8,089.00	8,456.46	8,089.00	23.27	38.48	179.76	-1,835.92	-652.98	1,322.33	1,277.22	45.10	29.318	



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-29.15	0.00	29.15				
100.00	100.00	100.00	100.00	0.10	0.10	180.00	-29.15	0.00	29.15	28.96	0.19	152.557	
200.00	200.00	200.00	200.00	0.32	0.32	180.00	-29.15	0.00	29.15	28.51	0.64	45.499	
300.00	300.00	300.00	300.00	0.55	0.55	180.00	-29.15	0.00	29.15	28.06	1.09	26.737	
400.00	400.00	400.00	400.00	0.77	0.77	180.00	-29.15	0.00	29.15	27.61	1.54	18.930	
500.00	500.00	500.00	500.00	0.99	0.99	180.00	-29.15	0.00	29.15	27.16	1.99	14.652	
600.00	600.00	600.00	600.00	1.22	1.22	180.00	-29.15	0.00	29.15	26.71	2.44	11.951	
700.00	700.00	700.00	700.00	1.44	1.44	180.00	-29.15	0.00	29.15	26.26	2.89	10.091	
800.00	800.00	800.00	800.00	1.67	1.67	180.00	-29.15	0.00	29.15	25.81	3.34	8.732	
900.00	900.00	900.00	900.00	1.89	1.89	180.00	-29.15	0.00	29.15	25.36	3.79	7.696	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	180.00	-29.15	0.00	29.15	24.91	4.24	6.879	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	180.00	-29.15	0.00	29.15	24.46	4.69	6.219	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	180.00	-29.15	0.00	29.15	24.01	5.14	5.675	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	180.00	-29.15	0.00	29.15	23.56	5.59	5.218	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	180.00	-29.15	0.00	29.15	23.11	6.03	4.830	
1,500.00	1,499.98	1,500.04	1,500.02	3.22	3.23	-58.43	-28.88	1.73	27.98	21.53	6.45	4.338	
1,585.26	1,585.13	1,584.82	1,584.69	3.38	3.41	-75.39	-28.24	5.89	26.76	19.97	6.78	3.944 CC, ES	
1,600.00	1,599.84	1,599.40	1,599.24	3.41	3.44	-79.43	-28.09	6.86	26.82	19.98	6.84	3.921 SF	
1,700.00	1,699.45	1,697.41	1,696.88	3.60	3.65	-109.67	-26.80	15.24	32.61	25.38	7.23	4.510	
1,800.00	1,798.70	1,793.46	1,792.22	3.82	3.88	-131.77	-25.04	26.66	49.71	42.11	7.60	6.542	
1,900.00	1,897.47	1,886.96	1,884.62	4.06	4.12	-143.59	-22.86	40.81	76.32	68.36	7.95	9.596	
2,000.00	1,995.62	1,977.41	1,973.51	4.35	4.38	-149.95	-20.32	57.32	110.46	102.15	8.31	13.299	
2,100.00	2,093.06	2,064.39	2,058.45	4.67	4.66	-153.62	-17.47	75.80	151.11	142.46	8.65	17.460	
2,200.00	2,189.64	2,147.52	2,139.06	5.05	4.96	-155.87	-14.39	95.84	197.68	188.68	9.00	21.962	
2,269.87	2,256.57	2,200.00	2,189.64	5.36	5.17	-156.85	-12.26	109.68	233.51	224.28	9.23	25.286	
2,300.00	2,285.32	2,226.61	2,215.19	5.49	5.28	-157.42	-11.12	117.05	249.60	240.23	9.37	26.645	
2,400.00	2,380.74	2,300.00	2,285.27	5.97	5.61	-158.61	-7.81	138.58	304.60	294.81	9.79	31.120	
2,500.00	2,476.17	2,376.24	2,357.46	6.48	6.00	-159.43	-4.08	162.82	361.77	351.54	10.23	35.363	
2,600.00	2,571.59	2,447.24	2,424.07	7.00	6.40	-159.93	-0.34	187.08	421.01	410.33	10.67	39.441	
2,700.00	2,667.02	2,515.74	2,487.75	7.54	6.81	-160.26	3.50	212.04	482.17	471.04	11.12	43.348	
2,800.00	2,762.44	2,581.82	2,548.58	8.10	7.24	-160.48	7.43	237.53	545.14	533.56	11.58	47.085	
2,900.00	2,857.87	2,647.85	2,608.76	8.66	7.70	-160.61	11.56	264.38	609.82	597.78	12.04	50.650	
3,000.00	2,953.29	2,720.53	2,674.66	9.23	8.24	-160.71	16.23	294.70	675.38	662.85	12.53	53.909	
3,100.00	3,048.72	2,796.04	2,743.11	9.81	8.82	-160.80	21.08	326.18	740.95	727.92	13.03	56.867	
3,200.00	3,144.14	2,871.54	2,811.56	10.39	9.40	-160.87	25.93	357.67	806.51	792.97	13.54	59.566	
3,300.00	3,239.57	2,947.04	2,880.02	10.98	10.00	-160.94	30.77	389.15	872.08	858.02	14.06	62.043	
3,400.00	3,335.00	3,022.54	2,948.47	11.58	10.61	-160.99	35.62	420.64	937.65	923.07	14.58	64.319	
3,500.00	3,430.42	3,098.04	3,016.92	12.17	11.22	-161.04	40.47	452.13	1,003.21	988.11	15.11	66.415	
3,600.00	3,525.85	3,173.55	3,085.37	12.77	11.84	-161.08	45.32	483.61	1,068.78	1,053.14	15.64	68.344	
3,700.00	3,621.27	3,249.05	3,153.82	13.37	12.47	-161.11	50.17	515.10	1,134.35	1,118.17	16.18	70.129	
3,800.00	3,716.70	3,324.55	3,222.28	13.98	13.09	-161.15	55.01	546.58	1,199.92	1,183.20	16.72	71.783	
3,900.00	3,812.12	3,400.05	3,290.73	14.58	13.73	-161.18	59.86	578.07	1,265.49	1,248.23	17.26	73.319	
4,000.00	3,907.55	3,475.55	3,359.18	15.19	14.36	-161.20	64.71	609.56	1,331.05	1,313.25	17.81	74.744	
4,100.00	4,002.97	3,551.06	3,427.63	15.80	15.00	-161.23	69.56	641.04	1,396.62	1,378.26	18.36	76.073	
4,186.41	4,085.43	3,616.30	3,486.79	16.33	15.56	-161.24	73.75	668.25	1,453.28	1,434.45	18.84	77.150	
4,200.00	4,098.41	3,626.58	3,496.10	16.40	15.64	-161.32	74.41	672.54	1,462.17	1,443.24	18.93	77.234	
4,300.00	4,194.47	3,703.44	3,565.79	16.84	16.30	-161.83	79.34	704.59	1,526.13	1,506.53	19.60	77.859	
4,400.00	4,291.44	3,782.37	3,637.35	17.24	16.97	-162.25	84.41	737.51	1,587.51	1,567.24	20.27	78.334	
4,500.00	4,389.20	3,863.27	3,710.69	17.60	17.67	-162.58	89.61	771.24	1,646.23	1,625.31	20.92	78.691	
4,600.00	4,487.64	3,946.04	3,785.73	17.92	18.38	-162.84	94.92	805.76	1,702.24	1,680.68	21.56	78.952	
4,700.00	4,586.63	4,030.58	3,862.38	18.20	19.11	-163.04	100.35	841.02	1,755.45	1,733.27	22.18	79.133	
4,800.00	4,686.06	4,116.79	3,940.54	18.44	19.85	-163.18	105.89	876.97	1,805.83	1,783.04	22.79	79.251	

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 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,785.79	4,204.56	4,020.12	18.63	20.61	-163.26	111.52	913.57	1,853.31	1,829.95	23.37	79.317	
5,000.00	4,885.72	4,293.79	4,101.01	18.78	21.39	-163.30	117.25	950.78	1,897.85	1,873.93	23.92	79.341	
5,056.29	4,942.00	4,344.61	4,147.09	18.85	21.83	68.75	120.51	971.98	1,921.61	1,897.39	24.22	79.332	
5,100.00	4,985.71	4,384.25	4,183.02	18.90	22.17	68.87	123.06	988.50	1,939.70	1,915.26	24.44	79.376	
5,200.00	5,085.71	4,540.10	4,324.99	19.02	23.38	69.30	132.84	1,052.05	1,980.59	1,955.47	25.12	78.847	
5,300.00	5,185.71	4,838.07	4,604.76	19.13	25.11	69.93	148.39	1,153.00	2,014.31	1,988.17	26.13	77.082	
5,400.00	5,285.71	5,156.29	4,913.51	19.25	26.46	70.35	160.01	1,228.48	2,037.93	2,010.85	27.09	75.237	
5,500.00	5,385.71	5,488.41	5,242.69	19.38	27.32	70.58	166.51	1,270.68	2,050.60	2,022.67	27.93	73.431	
5,600.00	5,485.71	5,731.61	5,485.71	19.50	27.62	70.62	167.61	1,277.82	2,052.70	2,024.21	28.49	72.055	
5,700.00	5,585.71	5,831.61	5,585.71	19.63	27.71	70.62	167.61	1,277.82	2,052.70	2,023.88	28.82	71.213	
5,800.00	5,685.71	5,931.61	5,685.71	19.75	27.81	70.62	167.61	1,277.82	2,052.70	2,023.54	29.16	70.383	
5,900.00	5,785.71	6,031.61	5,785.71	19.88	27.91	70.62	167.61	1,277.82	2,052.70	2,023.19	29.51	69.566	
6,000.00	5,885.71	6,131.61	5,885.71	20.01	28.01	70.62	167.61	1,277.82	2,052.70	2,022.85	29.85	68.760	
6,100.00	5,985.71	6,231.61	5,985.71	20.15	28.11	70.62	167.61	1,277.82	2,052.70	2,022.50	30.20	67.967	
6,200.00	6,085.71	6,331.61	6,085.71	20.28	28.21	70.62	167.61	1,277.82	2,052.70	2,022.15	30.55	67.186	
6,300.00	6,185.71	6,431.61	6,185.71	20.42	28.31	70.62	167.61	1,277.82	2,052.70	2,021.80	30.91	66.418	
6,400.00	6,285.71	6,531.61	6,285.71	20.55	28.42	70.62	167.61	1,277.82	2,052.70	2,021.44	31.26	65.662	
6,500.00	6,385.71	6,631.61	6,385.71	20.69	28.52	70.62	167.61	1,277.82	2,052.70	2,021.08	31.62	64.918	
6,600.00	6,485.71	6,731.61	6,485.71	20.83	28.63	70.62	167.61	1,277.82	2,052.70	2,020.72	31.98	64.186	
6,700.00	6,585.71	6,831.61	6,585.71	20.98	28.74	70.62	167.61	1,277.82	2,052.70	2,020.36	32.34	63.466	
6,800.00	6,685.71	6,931.61	6,685.71	21.12	28.85	70.62	167.61	1,277.82	2,052.70	2,019.99	32.71	62.758	
6,900.00	6,785.71	7,031.61	6,785.71	21.26	28.96	70.62	167.61	1,277.82	2,052.70	2,019.63	33.08	62.061	
7,000.00	6,885.71	7,131.61	6,885.71	21.41	29.07	70.62	167.61	1,277.82	2,052.70	2,019.26	33.44	61.376	
7,100.00	6,985.71	7,231.61	6,985.71	21.56	29.19	70.62	167.61	1,277.82	2,052.70	2,018.89	33.82	60.703	
7,200.00	7,085.71	7,331.61	7,085.71	21.71	29.30	70.62	167.61	1,277.82	2,052.70	2,018.51	34.19	60.041	
7,300.00	7,185.71	7,431.61	7,185.71	21.86	29.42	70.62	167.61	1,277.82	2,052.70	2,018.14	34.56	59.390	
7,400.00	7,285.71	7,531.61	7,285.71	22.01	29.54	70.62	167.61	1,277.82	2,052.70	2,017.76	34.94	58.750	
7,500.00	7,385.71	7,631.61	7,385.71	22.16	29.65	70.62	167.61	1,277.82	2,052.70	2,017.38	35.32	58.121	
7,600.00	7,485.71	7,731.61	7,485.71	22.31	29.78	70.62	167.61	1,277.82	2,052.70	2,017.00	35.70	57.503	
7,700.00	7,585.71	7,831.61	7,585.71	22.47	29.90	70.62	167.61	1,277.82	2,052.70	2,016.62	36.08	56.895	
7,800.00	7,685.71	7,931.61	7,685.71	22.63	30.02	70.62	167.61	1,277.82	2,052.70	2,016.24	36.46	56.298	
7,900.00	7,785.71	8,031.61	7,785.71	22.78	30.14	70.62	167.61	1,277.82	2,052.70	2,015.85	36.85	55.710	
8,000.00	7,885.71	8,131.61	7,885.71	22.94	30.27	70.62	167.61	1,277.82	2,052.70	2,015.47	37.23	55.133	
8,100.00	7,985.71	8,231.61	7,985.71	23.10	30.39	70.62	167.61	1,277.82	2,052.70	2,015.08	37.62	54.565	
8,203.29	8,089.00	8,334.89	8,089.00	23.27	30.53	70.62	167.61	1,277.82	2,052.70	2,014.68	38.02	53.989	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWMD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-180.00	-87.44	0.00	87.44				
100.00	100.00	100.00	100.00	0.10	0.10	-180.00	-87.44	0.00	87.44	87.25	0.19	457.670	
200.00	200.00	200.00	200.00	0.32	0.32	-180.00	-87.44	0.00	87.44	86.80	0.64	136.498	
300.00	300.00	300.00	300.00	0.55	0.55	-180.00	-87.44	0.00	87.44	86.35	1.09	80.210	
400.00	400.00	400.00	400.00	0.77	0.77	-180.00	-87.44	0.00	87.44	85.90	1.54	56.791	
500.00	500.00	500.00	500.00	0.99	0.99	-180.00	-87.44	0.00	87.44	85.45	1.99	43.957	
600.00	600.00	600.00	600.00	1.22	1.22	-180.00	-87.44	0.00	87.44	85.00	2.44	35.854	
700.00	700.00	700.00	700.00	1.44	1.44	-180.00	-87.44	0.00	87.44	84.55	2.89	30.274	
800.00	800.00	800.00	800.00	1.67	1.67	-180.00	-87.44	0.00	87.44	84.10	3.34	26.197	
900.00	900.00	900.00	900.00	1.89	1.89	-180.00	-87.44	0.00	87.44	83.65	3.79	23.087	
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	-180.00	-87.44	0.00	87.44	83.20	4.24	20.638	
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	-180.00	-87.44	0.00	87.44	82.75	4.69	18.658	
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	-180.00	-87.44	0.00	87.44	82.30	5.14	17.025	
1,300.00	1,300.00	1,300.00	1,300.00	2.79	2.79	-180.00	-87.44	0.00	87.44	81.85	5.59	15.655	
1,400.00	1,400.00	1,400.00	1,400.00	3.02	3.02	-180.00	-87.44	0.00	87.44	81.40	6.03	14.489 CC, ES	
1,500.00	1,499.98	1,497.02	1,497.00	3.22	3.21	-52.93	-89.08	0.03	88.07	81.64	6.43	13.705	
1,600.00	1,599.84	1,593.90	1,593.75	3.41	3.38	-55.47	-94.00	0.11	90.09	83.31	6.78	13.294	
1,700.00	1,699.45	1,690.52	1,690.02	3.60	3.55	-59.43	-102.15	0.24	93.84	86.69	7.14	13.137 SF	
1,800.00	1,798.70	1,786.74	1,785.57	3.82	3.74	-64.40	-113.50	0.43	99.80	92.26	7.54	13.243	
1,900.00	1,897.47	1,882.44	1,880.16	4.06	3.96	-69.88	-127.96	0.67	108.46	100.49	7.97	13.610	
2,000.00	1,995.62	1,977.50	1,973.60	4.35	4.21	-75.37	-145.44	0.96	120.23	111.77	8.46	14.210	
2,100.00	2,093.06	2,071.81	2,065.67	4.67	4.49	-80.50	-165.84	1.30	135.32	126.30	9.03	14.993	
2,200.00	2,189.64	2,165.26	2,156.19	5.05	4.81	-85.04	-189.03	1.68	153.82	144.14	9.68	15.894	
2,269.87	2,256.57	2,229.99	2,218.42	5.36	5.07	-87.83	-206.82	1.98	168.75	158.56	10.19	16.557	
2,300.00	2,285.32	2,257.76	2,245.00	5.49	5.18	-89.02	-214.88	2.11	175.69	165.26	10.43	16.848	
2,400.00	2,380.74	2,349.49	2,332.20	5.97	5.60	-92.02	-243.33	2.58	200.71	189.46	11.25	17.842	
2,500.00	2,476.17	2,440.37	2,417.65	6.48	6.07	-93.83	-274.26	3.09	228.36	216.24	12.12	18.836	
2,600.00	2,571.59	2,530.23	2,501.14	7.00	6.59	-94.78	-307.48	3.64	258.34	245.29	13.04	19.808	
2,700.00	2,667.02	2,623.26	2,586.72	7.54	7.18	-95.24	-343.94	4.24	289.96	275.94	14.02	20.681	
2,800.00	2,762.44	2,718.07	2,673.89	8.10	7.80	-95.60	-381.23	4.86	321.70	306.66	15.04	21.390	
2,900.00	2,857.87	2,812.88	2,761.06	8.66	8.44	-95.89	-418.52	5.48	353.45	337.37	16.09	21.973	
3,000.00	2,953.29	2,907.69	2,848.23	9.23	9.10	-96.14	-455.81	6.09	385.21	368.05	17.15	22.457	
3,100.00	3,048.72	3,002.51	2,935.40	9.81	9.77	-96.35	-493.10	6.71	416.97	398.73	18.24	22.862	
3,200.00	3,144.14	3,097.32	3,022.57	10.39	10.45	-96.52	-530.38	7.33	448.74	429.40	19.34	23.204	
3,300.00	3,239.57	3,192.13	3,109.74	10.98	11.13	-96.68	-567.67	7.95	480.50	460.05	20.45	23.495	
3,400.00	3,335.00	3,286.94	3,196.91	11.58	11.83	-96.82	-604.96	8.56	512.28	490.70	21.57	23.745	
3,500.00	3,430.42	3,381.75	3,284.08	12.17	12.53	-96.93	-642.25	9.18	544.05	521.35	22.71	23.961	
3,600.00	3,525.85	3,476.57	3,371.25	12.77	13.23	-97.04	-679.53	9.80	575.83	551.98	23.84	24.149	
3,700.00	3,621.27	3,571.38	3,458.42	13.37	13.94	-97.14	-716.82	10.41	607.61	582.62	24.99	24.315	
3,800.00	3,716.70	3,666.19	3,545.59	13.98	14.65	-97.22	-754.11	11.03	639.39	613.25	26.14	24.461	
3,900.00	3,812.12	3,761.00	3,632.76	14.58	15.36	-97.30	-791.40	11.65	671.17	643.87	27.29	24.590	
4,000.00	3,907.55	3,855.81	3,719.93	15.19	16.07	-97.37	-828.69	12.26	702.95	674.49	28.45	24.706	
4,100.00	4,002.97	3,950.63	3,807.09	15.80	16.79	-97.44	-865.97	12.88	734.73	705.12	29.61	24.810	
4,186.41	4,085.43	4,046.70	3,895.84	16.33	17.38	-97.56	-902.76	13.49	761.60	730.98	30.62	24.876	
4,200.00	4,098.41	4,062.51	3,910.56	16.40	17.47	-97.68	-908.54	13.58	765.65	734.88	30.77	24.883	
4,300.00	4,194.47	4,180.07	4,020.95	16.84	18.07	-98.46	-948.93	14.25	793.70	761.91	31.79	24.969	
4,400.00	4,291.44	4,299.56	4,134.76	17.24	18.64	-99.12	-985.31	14.85	818.57	785.84	32.73	25.006	
4,500.00	4,389.20	4,420.78	4,251.66	17.60	19.17	-99.66	-1,017.33	15.38	840.16	806.57	33.60	25.007	
4,600.00	4,487.64	4,543.54	4,371.32	17.92	19.64	-100.09	-1,044.69	15.84	858.38	824.01	34.37	24.974	
4,700.00	4,586.63	4,667.58	4,493.31	18.20	20.06	-100.43	-1,067.11	16.21	873.14	838.09	35.05	24.911	
4,800.00	4,686.06	4,792.67	4,617.20	18.44	20.41	-100.67	-1,084.34	16.49	884.39	848.76	35.63	24.820	
4,900.00	4,785.79	4,918.53	4,742.49	18.63	20.69	-100.83	-1,096.21	16.69	892.07	855.96	36.11	24.706	

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 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design ADAMS_TALON VIEW 7 PAD - P_TALON VIEW 22-9 - P_TALON VIEW 22-9 - 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						
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	4,885.72	5,044.88	4,868.67	18.78	20.89	-100.90	-1,102.58	16.80	896.15	859.67	36.48	24.566	
5,056.29	4,942.00	5,116.10	4,939.88	18.85	20.98	131.15	-1,103.72	16.81	896.86	860.21	36.65	24.470	
5,100.00	4,985.71	5,161.94	4,985.71	18.90	21.03	131.15	-1,103.74	16.81	896.87	860.11	36.76	24.400	
5,200.00	5,085.71	5,261.94	5,085.71	19.02	21.13	131.15	-1,103.74	16.81	896.87	859.87	36.99	24.244	
5,300.00	5,185.71	5,361.94	5,185.71	19.13	21.24	131.15	-1,103.74	16.81	896.87	859.63	37.23	24.088	
5,400.00	5,285.71	5,461.94	5,285.71	19.25	21.34	131.15	-1,103.74	16.81	896.87	859.39	37.48	23.931	
5,500.00	5,385.71	5,561.94	5,385.71	19.38	21.44	131.15	-1,103.74	16.81	896.87	859.14	37.72	23.774	
5,600.00	5,485.71	5,661.94	5,485.71	19.50	21.55	131.15	-1,103.74	16.81	896.87	858.89	37.98	23.617	
5,700.00	5,585.71	5,761.94	5,585.71	19.63	21.66	131.15	-1,103.74	16.81	896.87	858.64	38.23	23.459	
5,800.00	5,685.71	5,861.94	5,685.71	19.75	21.77	131.15	-1,103.74	16.81	896.87	858.38	38.49	23.302	
5,900.00	5,785.71	5,961.94	5,785.71	19.88	21.88	131.15	-1,103.74	16.81	896.87	858.11	38.75	23.144	
6,000.00	5,885.71	6,061.94	5,885.71	20.01	22.00	131.15	-1,103.74	16.81	896.87	857.85	39.02	22.987	
6,100.00	5,985.71	6,161.94	5,985.71	20.15	22.11	131.15	-1,103.74	16.81	896.87	857.58	39.29	22.830	
6,200.00	6,085.71	6,261.94	6,085.71	20.28	22.23	131.15	-1,103.74	16.81	896.87	857.31	39.56	22.673	
6,300.00	6,185.71	6,361.94	6,185.71	20.42	22.35	131.15	-1,103.74	16.81	896.87	857.03	39.83	22.516	
6,400.00	6,285.71	6,461.94	6,285.71	20.55	22.47	131.15	-1,103.74	16.81	896.87	856.75	40.11	22.359	
6,500.00	6,385.71	6,561.94	6,385.71	20.69	22.60	131.15	-1,103.74	16.81	896.87	856.47	40.39	22.203	
6,600.00	6,485.71	6,661.94	6,485.71	20.83	22.72	131.15	-1,103.74	16.81	896.87	856.19	40.68	22.048	
6,700.00	6,585.71	6,761.94	6,585.71	20.98	22.84	131.15	-1,103.74	16.81	896.87	855.90	40.97	21.893	
6,800.00	6,685.71	6,861.94	6,685.71	21.12	22.97	131.15	-1,103.74	16.81	896.87	855.61	41.26	21.739	
6,900.00	6,785.71	6,961.94	6,785.71	21.26	23.10	131.15	-1,103.74	16.81	896.87	855.32	41.55	21.585	
7,000.00	6,885.71	7,061.94	6,885.71	21.41	23.23	131.15	-1,103.74	16.81	896.87	855.02	41.85	21.433	
7,100.00	6,985.71	7,161.94	6,985.71	21.56	23.36	131.15	-1,103.74	16.81	896.87	854.72	42.15	21.280	
7,200.00	7,085.71	7,261.94	7,085.71	21.71	23.50	131.15	-1,103.74	16.81	896.87	854.42	42.45	21.129	
7,300.00	7,185.71	7,361.94	7,185.71	21.86	23.63	131.15	-1,103.74	16.81	896.87	854.11	42.75	20.979	
7,400.00	7,285.71	7,461.94	7,285.71	22.01	23.77	131.15	-1,103.74	16.81	896.87	853.81	43.06	20.829	
7,500.00	7,385.71	7,561.94	7,385.71	22.16	23.90	131.15	-1,103.74	16.81	896.87	853.50	43.37	20.681	
7,600.00	7,485.71	7,661.94	7,485.71	22.31	24.04	131.15	-1,103.74	16.81	896.87	853.19	43.68	20.533	
7,700.00	7,585.71	7,761.94	7,585.71	22.47	24.18	131.15	-1,103.74	16.81	896.87	852.87	43.99	20.386	
7,800.00	7,685.71	7,861.94	7,685.71	22.63	24.32	131.15	-1,103.74	16.81	896.87	852.56	44.31	20.241	
7,900.00	7,785.71	7,961.94	7,785.71	22.78	24.46	131.15	-1,103.74	16.81	896.87	852.24	44.63	20.096	
8,000.00	7,885.71	8,061.94	7,885.71	22.94	24.61	131.15	-1,103.74	16.81	896.87	851.92	44.95	19.952	
8,100.00	7,985.71	8,161.94	7,985.71	23.10	24.75	131.15	-1,103.74	16.81	896.87	851.59	45.27	19.810	
8,203.29	8,089.00	8,265.23	8,089.00	23.27	24.90	131.15	-1,103.74	16.81	896.87	851.26	45.61	19.664	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	180.00	-14.57	0.00	14.57				
100.00	100.00	100.00	100.00	0.10	0.10	180.00	-14.57	0.00	14.57	14.38	0.19	76.245	
200.00	200.00	200.00	200.00	0.32	0.32	180.00	-14.57	0.00	14.57	13.93	0.64	22.740	
300.00	300.00	300.00	300.00	0.55	0.55	180.00	-14.57	0.00	14.57	13.48	1.09	13.363	
400.00	400.00	400.00	400.00	0.77	0.77	180.00	-14.57	0.00	14.57	13.03	1.54	9.461	
500.00	500.00	500.00	500.00	0.99	0.99	180.00	-14.57	0.00	14.57	12.58	1.99	7.323	
600.00	600.00	600.00	600.00	1.22	1.22	180.00	-14.57	0.00	14.57	12.13	2.44	5.973	
700.00	700.00	700.00	700.00	1.44	1.44	180.00	-14.57	0.00	14.57	11.68	2.89	5.043	
800.00	800.00	800.00	800.00	1.67	1.67	180.00	-14.57	0.00	14.57	11.23	3.34	4.364	
900.00	900.00	900.00	900.00	1.89	1.89	180.00	-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	180.00	-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	180.00	-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	180.00	-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	180.00	-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	180.00	-14.57	0.00	14.57	8.53	6.03	2.414	
1,500.00	1,499.98	1,500.28	1,500.26	3.22	3.24	-63.60	-13.19	1.09	12.37	5.91	6.46	1.914	
1,572.09	1,571.98	1,572.16	1,572.06	3.35	3.40	-96.86	-10.51	3.20	10.33	3.58	6.75	1.530 CC, ES, SF	
1,600.00	1,599.84	1,599.84	1,599.68	3.41	3.46	-115.86	-9.10	4.32	10.93	4.08	6.86	1.595	
1,700.00	1,699.45	1,697.98	1,697.44	3.60	3.68	-160.00	-2.41	9.59	23.22	15.99	7.23	3.213	
1,800.00	1,798.70	1,794.03	1,792.79	3.82	3.91	-173.44	6.67	16.76	45.86	38.27	7.59	6.040	
1,900.00	1,897.47	1,887.41	1,885.06	4.06	4.15	-178.68	17.90	25.63	75.78	67.83	7.95	9.529	
2,000.00	1,995.62	1,977.58	1,973.67	4.35	4.41	178.71	30.98	35.96	112.20	103.90	8.30	13.516	
2,100.00	2,093.06	2,064.09	2,058.16	4.67	4.68	177.20	45.58	47.48	154.70	146.07	8.64	17.910	
2,200.00	2,189.64	2,146.57	2,138.15	5.05	4.97	176.22	61.36	59.94	202.95	193.99	8.96	22.647	
2,269.87	2,256.57	2,200.00	2,189.64	5.36	5.17	175.72	72.54	68.77	239.89	230.72	9.17	26.148	
2,300.00	2,285.32	2,224.84	2,213.49	5.49	5.28	175.55	77.99	73.07	256.47	247.17	9.30	27.575	
2,400.00	2,380.74	2,300.00	2,285.27	5.97	5.60	175.10	95.48	86.88	312.92	303.21	9.70	32.249	
2,500.00	2,476.17	2,372.49	2,353.92	6.48	5.95	174.73	113.75	101.30	371.46	361.35	10.11	36.732	
2,600.00	2,571.59	2,449.70	2,426.56	7.00	6.34	174.40	134.29	117.52	431.51	420.97	10.54	40.940	
2,700.00	2,667.02	2,529.58	2,501.68	7.54	6.78	174.14	155.59	134.34	491.65	480.67	10.98	44.777	
2,800.00	2,762.44	2,609.45	2,576.81	8.10	7.22	173.94	176.90	151.16	551.79	540.37	11.43	48.287	
2,900.00	2,857.87	2,689.33	2,651.93	8.66	7.68	173.78	198.20	167.98	611.94	600.06	11.88	51.499	
3,000.00	2,953.29	2,769.21	2,727.05	9.23	8.15	173.64	219.51	184.80	672.09	659.75	12.34	54.443	
3,100.00	3,048.72	2,849.08	2,802.18	9.81	8.63	173.53	240.81	201.62	732.25	719.43	12.81	57.154	
3,200.00	3,144.14	2,928.96	2,877.30	10.39	9.11	173.44	262.12	218.44	792.40	779.12	13.28	59.655	
3,300.00	3,239.57	3,008.84	2,952.42	10.98	9.60	173.35	283.42	235.26	852.56	838.80	13.76	61.965	
3,400.00	3,335.00	3,088.72	3,027.55	11.58	10.10	173.28	304.73	252.08	912.71	898.48	14.24	64.101	
3,500.00	3,430.42	3,168.59	3,102.67	12.17	10.60	173.22	326.03	268.90	972.87	958.15	14.72	66.080	
3,600.00	3,525.85	3,248.47	3,177.79	12.77	11.11	173.17	347.34	285.72	1,033.03	1,017.82	15.21	67.920	
3,700.00	3,621.27	3,328.35	3,252.92	13.37	11.62	173.12	368.64	302.54	1,093.19	1,077.49	15.70	69.635	
3,800.00	3,716.70	3,408.22	3,328.04	13.98	12.13	173.07	389.95	319.36	1,153.35	1,137.16	16.19	71.234	
3,900.00	3,812.12	3,488.10	3,403.16	14.58	12.64	173.03	411.25	336.18	1,213.51	1,196.82	16.69	72.728	
4,000.00	3,907.55	3,567.98	3,478.29	15.19	13.16	173.00	432.56	353.00	1,273.67	1,256.49	17.18	74.125	
4,100.00	4,002.97	3,647.86	3,553.41	15.80	13.68	172.97	453.86	369.82	1,333.83	1,316.15	17.68	75.435	
4,186.41	4,085.43	3,716.88	3,618.33	16.33	14.13	172.94	472.28	384.35	1,385.82	1,367.70	18.11	76.505	
4,200.00	4,098.41	3,727.75	3,628.55	16.40	14.20	172.96	475.17	386.64	1,393.97	1,375.76	18.20	76.572	
4,300.00	4,194.47	3,808.93	3,704.90	16.84	14.73	173.10	496.83	403.73	1,452.35	1,433.50	18.85	77.048	
4,400.00	4,291.44	3,892.07	3,783.09	17.24	15.27	173.20	519.00	421.24	1,507.89	1,488.41	19.48	77.407	
4,500.00	4,389.20	3,977.09	3,863.05	17.60	15.83	173.27	541.68	439.14	1,560.51	1,540.42	20.09	77.665	
4,600.00	4,487.64	4,063.86	3,944.66	17.92	16.40	173.32	564.82	457.42	1,610.16	1,589.47	20.69	77.837	
4,700.00	4,586.63	4,152.30	4,027.83	18.20	16.98	173.35	588.41	476.04	1,656.77	1,635.51	21.26	77.933	
4,800.00	4,686.06	4,242.28	4,112.46	18.44	17.58	173.36	612.41	494.99	1,700.29	1,678.48	21.81	77.964	

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 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
ADAMS_TALON VIEW 7 PAD - P_TALON VIEW 3-9 - P_TALON VIEW 3-9 - PLAN #1 09-01-09 RHS												Offset Well Error:	0.00 ft
Survey Program: 0-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,785.79	4,333.71	4,198.45	18.63	18.19	173.35	636.80	514.24	1,740.67	1,718.33	22.33	77.936	
5,000.00	4,885.72	4,426.46	4,285.68	18.78	18.80	173.32	661.54	533.77	1,777.86	1,755.02	22.83	77.857	
5,056.29	4,942.00	4,479.21	4,335.29	18.85	19.15	45.34	675.61	544.88	1,797.37	1,774.27	23.11	77.790	
5,100.00	4,985.71	4,548.18	4,400.27	18.90	19.57	45.25	693.75	559.20	1,812.00	1,788.62	23.38	77.496	
5,200.00	5,085.71	4,809.90	4,651.31	19.02	20.79	44.96	751.60	604.87	1,840.02	1,815.79	24.23	75.947	
5,300.00	5,185.71	5,083.83	4,920.09	19.13	21.73	44.77	792.63	637.26	1,859.01	1,833.99	25.02	74.302	
5,400.00	5,285.71	5,365.57	5,200.44	19.25	22.35	44.68	813.62	653.84	1,868.46	1,842.73	25.73	72.608	
5,500.00	5,385.71	5,550.89	5,385.71	19.38	22.58	44.67	816.00	655.71	1,869.52	1,843.29	26.23	71.276	
5,600.00	5,485.71	5,650.89	5,485.71	19.50	22.69	44.67	816.00	655.71	1,869.52	1,842.92	26.60	70.291	
5,700.00	5,585.71	5,750.89	5,585.71	19.63	22.81	44.67	816.00	655.71	1,869.52	1,842.55	26.97	69.327	
5,800.00	5,685.71	5,850.89	5,685.71	19.75	22.92	44.67	816.00	655.71	1,869.52	1,842.18	27.34	68.382	
5,900.00	5,785.71	5,950.89	5,785.71	19.88	23.04	44.67	816.00	655.71	1,869.52	1,841.81	27.71	67.458	
6,000.00	5,885.71	6,050.89	5,885.71	20.01	23.15	44.67	816.00	655.71	1,869.52	1,841.43	28.09	66.553	
6,100.00	5,985.71	6,150.89	5,985.71	20.15	23.27	44.67	816.00	655.71	1,869.52	1,841.05	28.47	65.667	
6,200.00	6,085.71	6,250.89	6,085.71	20.28	23.39	44.67	816.00	655.71	1,869.52	1,840.67	28.85	64.800	
6,300.00	6,185.71	6,350.89	6,185.71	20.42	23.52	44.67	816.00	655.71	1,869.52	1,840.29	29.23	63.952	
6,400.00	6,285.71	6,450.89	6,285.71	20.55	23.64	44.67	816.00	655.71	1,869.52	1,839.90	29.62	63.121	
6,500.00	6,385.71	6,550.89	6,385.71	20.69	23.77	44.67	816.00	655.71	1,869.52	1,839.51	30.00	62.308	
6,600.00	6,485.71	6,650.89	6,485.71	20.83	23.89	44.67	816.00	655.71	1,869.52	1,839.13	30.39	61.512	
6,700.00	6,585.71	6,750.89	6,585.71	20.98	24.02	44.67	816.00	655.71	1,869.52	1,838.74	30.78	60.732	
6,800.00	6,685.71	6,850.89	6,685.71	21.12	24.15	44.67	816.00	655.71	1,869.52	1,838.34	31.17	59.969	
6,900.00	6,785.71	6,950.89	6,785.71	21.26	24.28	44.67	816.00	655.71	1,869.52	1,837.95	31.57	59.223	
7,000.00	6,885.71	7,050.89	6,885.71	21.41	24.41	44.67	816.00	655.71	1,869.52	1,837.56	31.96	58.492	
7,100.00	6,985.71	7,150.89	6,985.71	21.56	24.55	44.67	816.00	655.71	1,869.52	1,837.16	32.36	57.776	
7,200.00	7,085.71	7,250.89	7,085.71	21.71	24.68	44.67	816.00	655.71	1,869.52	1,836.76	32.76	57.075	
7,300.00	7,185.71	7,350.89	7,185.71	21.86	24.82	44.67	816.00	655.71	1,869.52	1,836.36	33.15	56.388	
7,400.00	7,285.71	7,450.89	7,285.71	22.01	24.96	44.67	816.00	655.71	1,869.52	1,835.96	33.55	55.716	
7,500.00	7,385.71	7,550.89	7,385.71	22.16	25.10	44.67	816.00	655.71	1,869.52	1,835.56	33.96	55.058	
7,600.00	7,485.71	7,650.89	7,485.71	22.31	25.24	44.67	816.00	655.71	1,869.52	1,835.16	34.36	54.413	
7,700.00	7,585.71	7,750.89	7,585.71	22.47	25.38	44.67	816.00	655.71	1,869.52	1,834.76	34.76	53.781	
7,800.00	7,685.71	7,850.89	7,685.71	22.63	25.52	44.67	816.00	655.71	1,869.52	1,834.35	35.17	53.162	
7,900.00	7,785.71	7,950.89	7,785.71	22.78	25.66	44.67	816.00	655.71	1,869.52	1,833.95	35.57	52.556	
8,000.00	7,885.71	8,050.89	7,885.71	22.94	25.81	44.67	816.00	655.71	1,869.52	1,833.54	35.98	51.961	
8,100.00	7,985.71	8,150.89	7,985.71	23.10	25.96	44.67	816.00	655.71	1,869.52	1,833.13	36.39	51.379	
8,203.29	8,089.00	8,254.17	8,089.00	23.27	26.11	44.67	816.00	655.71	1,869.52	1,832.71	36.81	50.790	



Weatherford International Ltd.

Anticollision Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
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 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-180.00	-43.71	0.00	43.71				
100.00	100.00	100.00	100.00	0.10	0.10	-180.00	-43.71	0.00	43.71	43.52	0.19	228.802	
200.00	200.00	200.00	200.00	0.32	0.32	-180.00	-43.71	0.00	43.71	43.07	0.64	68.239	
300.00	300.00	300.00	300.00	0.55	0.55	-180.00	-43.71	0.00	43.71	42.62	1.09	40.099	
400.00	400.00	400.00	400.00	0.77	0.77	-180.00	-43.71	0.00	43.71	42.17	1.54	28.391	
500.00	500.00	500.00	500.00	0.99	0.99	-180.00	-43.71	0.00	43.71	41.72	1.99	21.975	
600.00	600.00	600.00	600.00	1.22	1.22	-180.00	-43.71	0.00	43.71	41.27	2.44	17.925	
700.00	700.00	700.00	700.00	1.44	1.44	-180.00	-43.71	0.00	43.71	40.82	2.89	15.135	
800.00	800.00	800.00	800.00	1.67	1.67	-180.00	-43.71	0.00	43.71	40.38	3.34	13.096	
900.00	900.00	900.00	900.00	1.89	1.89	-180.00	-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	-180.00	-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	-180.00	-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	-180.00	-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	-180.00	-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	-180.00	-43.71	0.00	43.71	37.68	6.03	7.243	
1,467.89	1,467.89	1,467.28	1,467.27	3.15	3.15	-53.72	-44.17	0.65	43.69	37.39	6.31	6.926 CC	
1,500.00	1,499.98	1,499.06	1,499.04	3.22	3.22	-55.68	-44.69	1.40	43.72	37.28	6.44	6.792 ES	
1,600.00	1,599.84	1,597.65	1,597.49	3.41	3.40	-66.26	-47.62	5.58	44.79	37.98	6.81	6.580 SF	
1,700.00	1,699.45	1,695.33	1,694.81	3.60	3.60	-81.67	-52.43	12.46	49.68	42.49	7.19	6.909	
1,800.00	1,798.70	1,791.67	1,790.45	3.82	3.81	-97.23	-59.04	21.91	61.23	53.64	7.59	8.070	
1,900.00	1,897.47	1,886.26	1,883.93	4.06	4.04	-109.36	-67.31	33.73	80.36	72.38	7.99	10.059	
2,000.00	1,995.62	1,978.72	1,974.80	4.35	4.30	-117.70	-77.10	47.74	106.55	98.14	8.41	12.676	
2,100.00	2,093.06	2,068.74	2,062.68	4.67	4.59	-123.24	-88.25	63.67	138.97	130.12	8.85	15.704	
2,200.00	2,189.64	2,156.01	2,147.27	5.05	4.90	-126.93	-100.56	81.27	176.99	167.66	9.33	18.971	
2,269.87	2,256.57	2,215.24	2,204.28	5.36	5.14	-128.75	-109.75	94.41	206.61	196.93	9.69	21.333	
2,300.00	2,285.32	2,241.29	2,229.26	5.49	5.25	-129.63	-113.99	100.47	220.01	210.15	9.86	22.320	
2,400.00	2,380.74	2,330.27	2,314.56	5.97	5.65	-131.97	-128.51	121.22	264.77	254.32	10.45	25.328	
2,500.00	2,476.17	2,419.25	2,399.86	6.48	6.07	-133.64	-143.02	141.97	309.79	298.71	11.08	27.959	
2,600.00	2,571.59	2,508.23	2,485.16	7.00	6.51	-134.89	-157.54	162.73	354.97	343.24	11.73	30.259	
2,700.00	2,667.02	2,597.21	2,570.46	7.54	6.97	-135.85	-172.05	183.48	400.25	387.85	12.40	32.270	
2,800.00	2,762.44	2,686.19	2,655.76	8.10	7.43	-136.62	-186.57	204.23	445.60	432.51	13.09	34.035	
2,900.00	2,857.87	2,775.17	2,741.06	8.66	7.91	-137.25	-201.09	224.98	491.01	477.21	13.80	35.591	
3,000.00	2,953.29	2,864.15	2,826.36	9.23	8.39	-137.77	-215.60	245.73	536.45	521.94	14.51	36.968	
3,100.00	3,048.72	2,953.13	2,911.66	9.81	8.88	-138.21	-230.12	266.49	581.93	566.69	15.24	38.193	
3,200.00	3,144.14	3,042.11	2,996.96	10.39	9.37	-138.59	-244.63	287.24	627.42	611.45	15.97	39.287	
3,300.00	3,239.57	3,131.09	3,082.26	10.98	9.87	-138.91	-259.15	307.99	672.94	656.23	16.71	40.269	
3,400.00	3,335.00	3,220.07	3,167.56	11.58	10.37	-139.20	-273.67	328.74	718.47	701.01	17.46	41.154	
3,500.00	3,430.42	3,309.05	3,252.86	12.17	10.88	-139.45	-288.18	349.49	764.02	745.81	18.21	41.954	
3,600.00	3,525.85	3,398.03	3,338.16	12.77	11.38	-139.67	-302.70	370.25	809.57	790.60	18.97	42.681	
3,700.00	3,621.27	3,487.01	3,423.46	13.37	11.90	-139.87	-317.21	391.00	855.13	835.40	19.73	43.344	
3,800.00	3,716.70	3,575.99	3,508.76	13.98	12.41	-140.05	-331.73	411.75	900.70	880.21	20.49	43.950	
3,900.00	3,812.12	3,664.97	3,594.06	14.58	12.93	-140.21	-346.24	432.50	946.28	925.02	21.26	44.508	
4,000.00	3,907.55	3,753.95	3,679.36	15.19	13.44	-140.36	-360.76	453.26	991.86	969.83	22.03	45.021	
4,100.00	4,002.97	3,842.93	3,764.66	15.80	13.96	-140.49	-375.28	474.01	1,037.45	1,014.65	22.80	45.496	
4,186.41	4,085.43	3,919.82	3,838.37	16.33	14.41	-140.60	-387.82	491.94	1,076.85	1,053.37	23.47	45.878	
4,200.00	4,098.41	3,931.92	3,849.97	16.40	14.48	-140.70	-389.79	494.76	1,083.02	1,059.43	23.59	45.918	
4,300.00	4,194.47	4,021.69	3,936.02	16.84	15.01	-141.35	-404.44	515.70	1,127.07	1,102.70	24.37	46.251	
4,400.00	4,291.44	4,112.61	4,023.18	17.24	15.54	-141.83	-419.27	536.90	1,168.66	1,143.53	25.13	46.499	
4,500.00	4,389.20	4,204.57	4,111.35	17.60	16.09	-142.16	-434.27	558.35	1,207.75	1,181.87	25.87	46.680	
4,600.00	4,487.64	4,334.17	4,236.10	17.92	16.73	-142.28	-454.37	587.08	1,243.31	1,216.65	26.65	46.645	
4,700.00	4,586.63	4,482.64	4,380.76	18.20	17.29	-142.33	-473.46	614.37	1,272.52	1,245.15	27.37	46.499	
4,800.00	4,686.06	4,635.91	4,531.72	18.44	17.78	-142.36	-488.64	636.07	1,294.94	1,266.94	28.00	46.248	

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



Weatherford International Ltd.

Anticollision Report



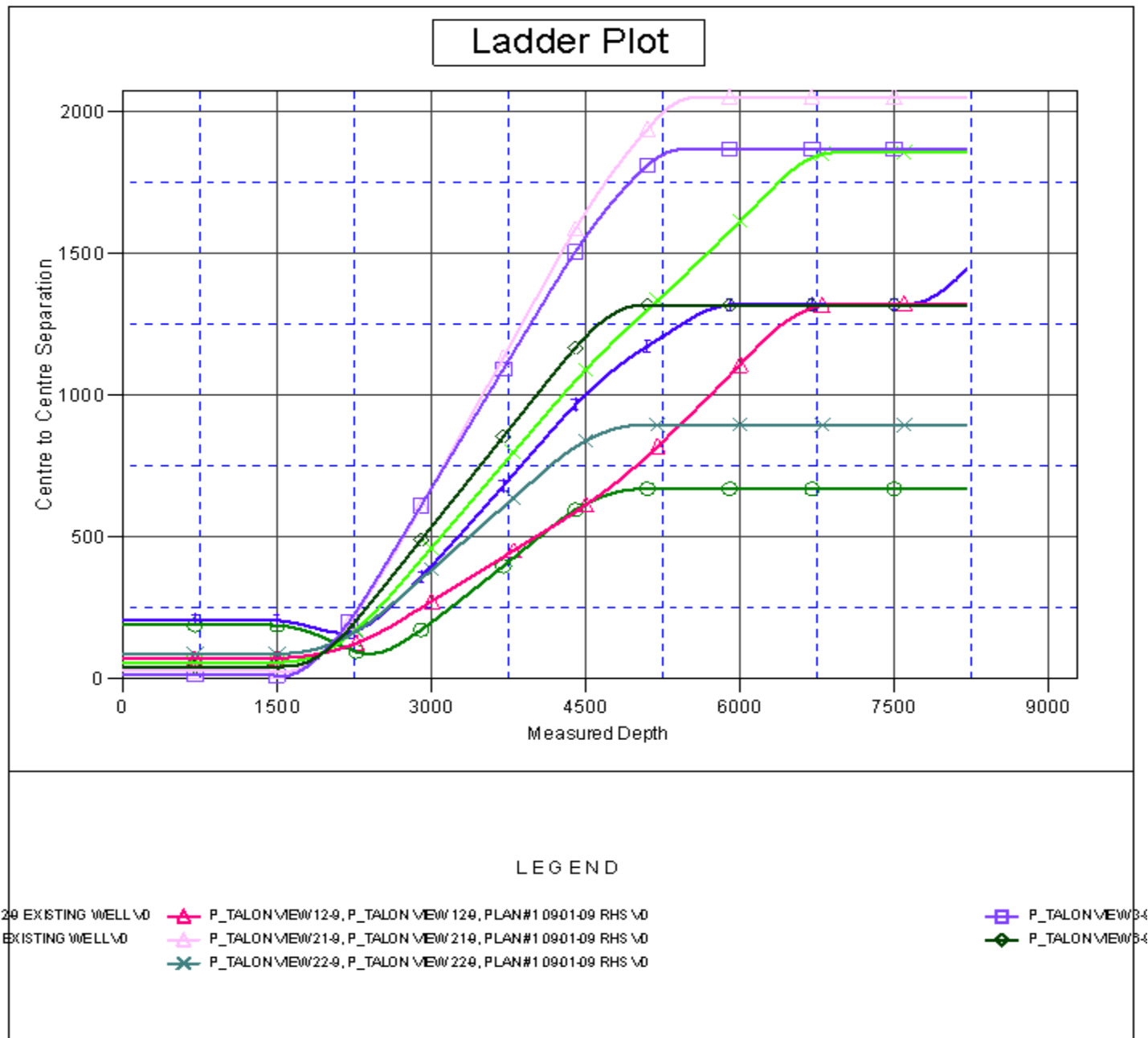
Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
4,900.00	4,785.79	4,792.85	4,687.52	18.63	18.17	-142.37	-499.36	651.40	1,310.33	1,281.78	28.55	45.897	
5,000.00	4,885.72	4,952.13	4,846.45	18.78	18.47	-142.37	-505.23	659.78	1,318.50	1,289.50	29.01	45.458	
5,056.29	4,942.00	5,042.28	4,936.58	18.85	18.59	89.68	-506.30	661.32	1,319.90	1,290.67	29.23	45.157	
5,100.00	4,985.71	5,091.42	4,985.71	18.90	18.65	89.68	-506.32	661.35	1,319.91	1,290.55	29.36	44.949	
5,200.00	5,085.71	5,191.42	5,085.71	19.02	18.77	89.68	-506.32	661.35	1,319.91	1,290.26	29.66	44.509	
5,300.00	5,185.71	5,291.42	5,185.71	19.13	18.89	89.68	-506.32	661.35	1,319.91	1,289.96	29.95	44.071	
5,400.00	5,285.71	5,391.42	5,285.71	19.25	19.01	89.68	-506.32	661.35	1,319.91	1,289.67	30.25	43.636	
5,500.00	5,385.71	5,491.42	5,385.71	19.38	19.14	89.68	-506.32	661.35	1,319.91	1,289.36	30.55	43.204	
5,600.00	5,485.71	5,591.42	5,485.71	19.50	19.27	89.68	-506.32	661.35	1,319.91	1,289.06	30.86	42.776	
5,700.00	5,585.71	5,691.42	5,585.71	19.63	19.40	89.68	-506.32	661.35	1,319.91	1,288.75	31.17	42.351	
5,800.00	5,685.71	5,791.42	5,685.71	19.75	19.53	89.68	-506.32	661.35	1,319.91	1,288.44	31.48	41.931	
5,900.00	5,785.71	5,891.42	5,785.71	19.88	19.66	89.68	-506.32	661.35	1,319.91	1,288.12	31.79	41.514	
6,000.00	5,885.71	5,991.42	5,885.71	20.01	19.79	89.68	-506.32	661.35	1,319.91	1,287.80	32.11	41.101	
6,100.00	5,985.71	6,091.42	5,985.71	20.15	19.93	89.68	-506.32	661.35	1,319.91	1,287.48	32.44	40.693	
6,200.00	6,085.71	6,191.42	6,085.71	20.28	20.07	89.68	-506.32	661.35	1,319.91	1,287.15	32.76	40.289	
6,300.00	6,185.71	6,291.42	6,185.71	20.42	20.21	89.68	-506.32	661.35	1,319.91	1,286.83	33.09	39.889	
6,400.00	6,285.71	6,391.42	6,285.71	20.55	20.35	89.68	-506.32	661.35	1,319.91	1,286.49	33.42	39.494	
6,500.00	6,385.71	6,491.42	6,385.71	20.69	20.49	89.68	-506.32	661.35	1,319.91	1,286.16	33.75	39.104	
6,600.00	6,485.71	6,591.42	6,485.71	20.83	20.63	89.68	-506.32	661.35	1,319.91	1,285.82	34.09	38.718	
6,700.00	6,585.71	6,691.42	6,585.71	20.98	20.78	89.68	-506.32	661.35	1,319.91	1,285.48	34.43	38.337	
6,800.00	6,685.71	6,791.42	6,685.71	21.12	20.92	89.68	-506.32	661.35	1,319.91	1,285.14	34.77	37.960	
6,900.00	6,785.71	6,891.42	6,785.71	21.26	21.07	89.68	-506.32	661.35	1,319.91	1,284.80	35.11	37.589	
7,000.00	6,885.71	6,991.42	6,885.71	21.41	21.22	89.68	-506.32	661.35	1,319.91	1,284.45	35.46	37.221	
7,100.00	6,985.71	7,091.42	6,985.71	21.56	21.37	89.68	-506.32	661.35	1,319.91	1,284.10	35.81	36.859	
7,200.00	7,085.71	7,191.42	7,085.71	21.71	21.52	89.68	-506.32	661.35	1,319.91	1,283.75	36.16	36.502	
7,300.00	7,185.71	7,291.42	7,185.71	21.86	21.67	89.68	-506.32	661.35	1,319.91	1,283.40	36.51	36.149	
7,400.00	7,285.71	7,391.42	7,285.71	22.01	21.83	89.68	-506.32	661.35	1,319.91	1,283.05	36.87	35.800	
7,500.00	7,385.71	7,491.42	7,385.71	22.16	21.98	89.68	-506.32	661.35	1,319.91	1,282.69	37.23	35.457	
7,600.00	7,485.71	7,591.42	7,485.71	22.31	22.14	89.68	-506.32	661.35	1,319.91	1,282.33	37.58	35.118	
7,700.00	7,585.71	7,691.42	7,585.71	22.47	22.30	89.68	-506.32	661.35	1,319.91	1,281.97	37.95	34.784	
7,800.00	7,685.71	7,791.42	7,685.71	22.63	22.46	89.68	-506.32	661.35	1,319.91	1,281.61	38.31	34.455	
7,900.00	7,785.71	7,891.42	7,785.71	22.78	22.62	89.68	-506.32	661.35	1,319.91	1,281.24	38.67	34.130	
8,000.00	7,885.71	7,991.42	7,885.71	22.94	22.78	89.68	-506.32	661.35	1,319.91	1,280.87	39.04	33.809	
8,100.00	7,985.71	8,091.42	7,985.71	23.10	22.94	89.68	-506.32	661.35	1,319.91	1,280.51	39.41	33.493	
8,203.29	8,089.00	8,194.71	8,089.00	23.27	23.11	89.68	-506.32	661.35	1,319.91	1,280.12	39.79	33.172	



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Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5171.00ft (Original Well Elev) Coordinates are relative to: P_TALON VIEW 5-9
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W °
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.39°

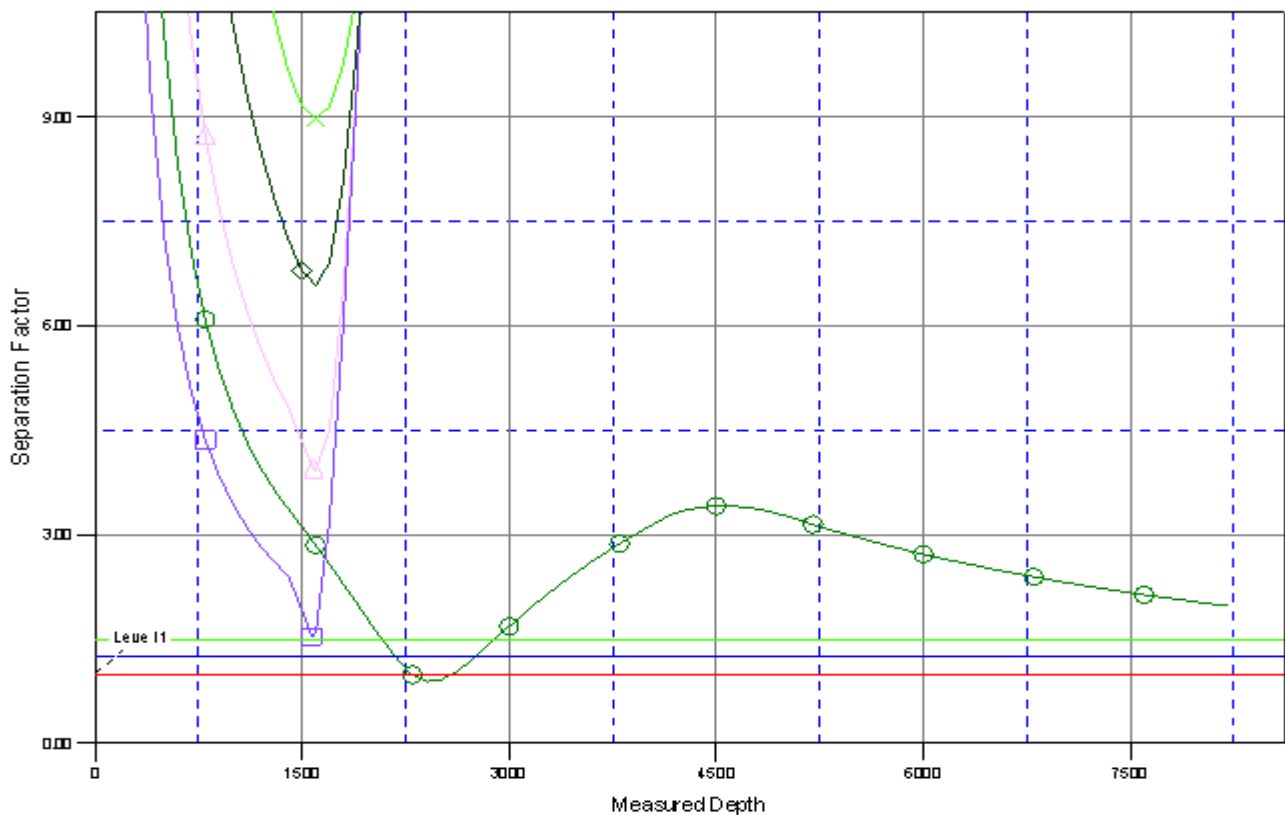




Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_TALON VIEW 5-9
Project:	KERR MCGEE OIL & GAS ONSHORE LP	TVD Reference:	WELL @ 5171.00ft (Original Well Elev)
Reference Site:	ADAMS_TALON VIEW 7 PAD	MD Reference:	WELL @ 5171.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_TALON VIEW 5-9	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_TALON VIEW 5-9	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 09-01-09 RHS	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5171.00ft (Original Well Elev) Coordinates are relative to: P_TALON VIEW 5-9
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.39°

Separation Factor Plot



LEGEND

12# EXISTING WELL \0	P_TALON\VIEW\12#_P_TALON\VIEW\12#, PLAN#1 0901-09 RHS \0	P_TALON\VIEW\3-4
9# EXISTING WELL \0	P_TALON\VIEW\21#_P_TALON\VIEW\21#, PLAN#1 0901-09 RHS \0	P_TALON\VIEW\5-9
	P_TALON\VIEW\22#_P_TALON\VIEW\22#, PLAN#1 0901-09 RHS \0	