



# **US ROCKIES REGION PLANNING**

**COLORADO NORTHERN ZONE - 83**

**WELD\_DRY CREEK 6-35 PAD**

**P\_DRY CREEK 22-35**

**P\_DRY CREEK 22-35**

**Plan: PLAN #1 10-28-09 RHS**

## **Standard Planning Report**

**28 October, 2009**





Azimuths to True North  
Magnetic North: 9.06°  
Magnetic Field  
Strength: 53104.3nT  
Dip Angle: 66.78°  
Date: 10/28/2009  
Model: IGRF200510

#### WELL DETAILS: P\_DRY CREEK 22-35

+N/-S	+E/-W	Northing	Ground Level:	5006.00	Longitude	Slot
0.00	0.00	1246751.00	Easting	3179360.07	40° 0' 32.184 N	104° 51' 34.884 W

#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3134.00	3162.84	PARKMAN TOP
4736.00	4795.34	SUSSEX TOP
7318.00	7400.42	NIO A TOP
7718.00	7800.42	CODELL TOP
8155.00	8237.42	JSAND TOP

#### SECTION DETAILS

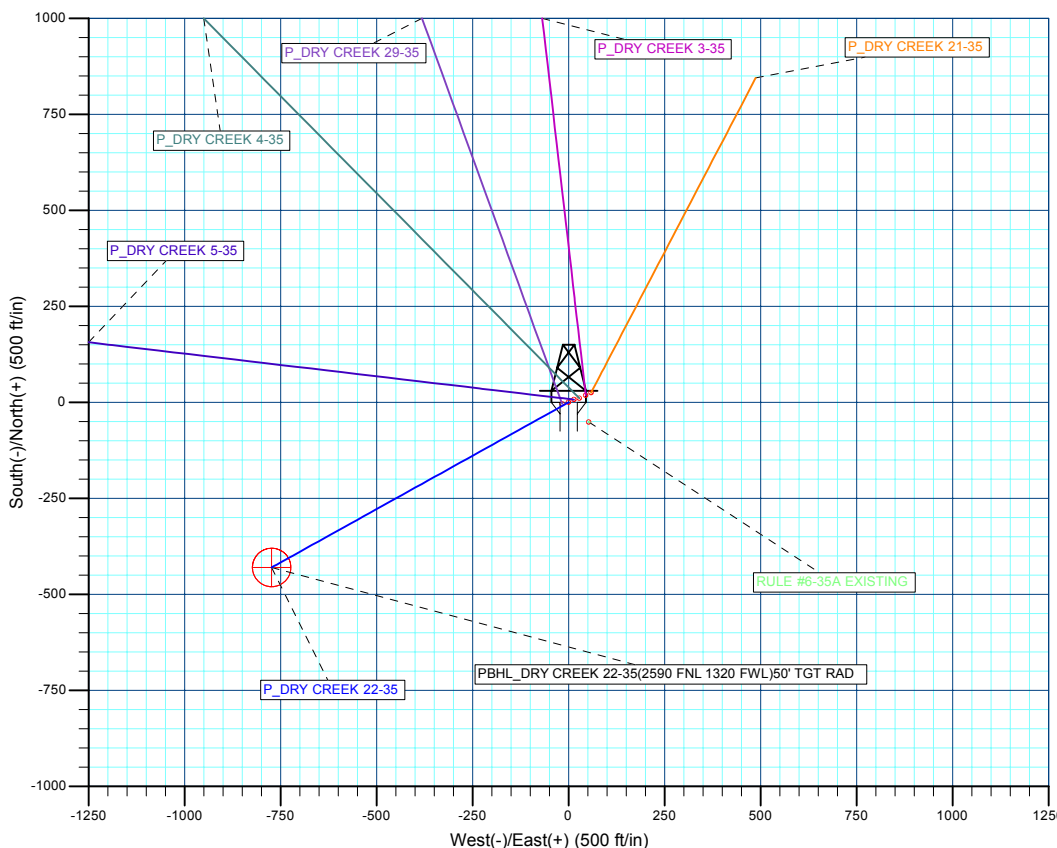
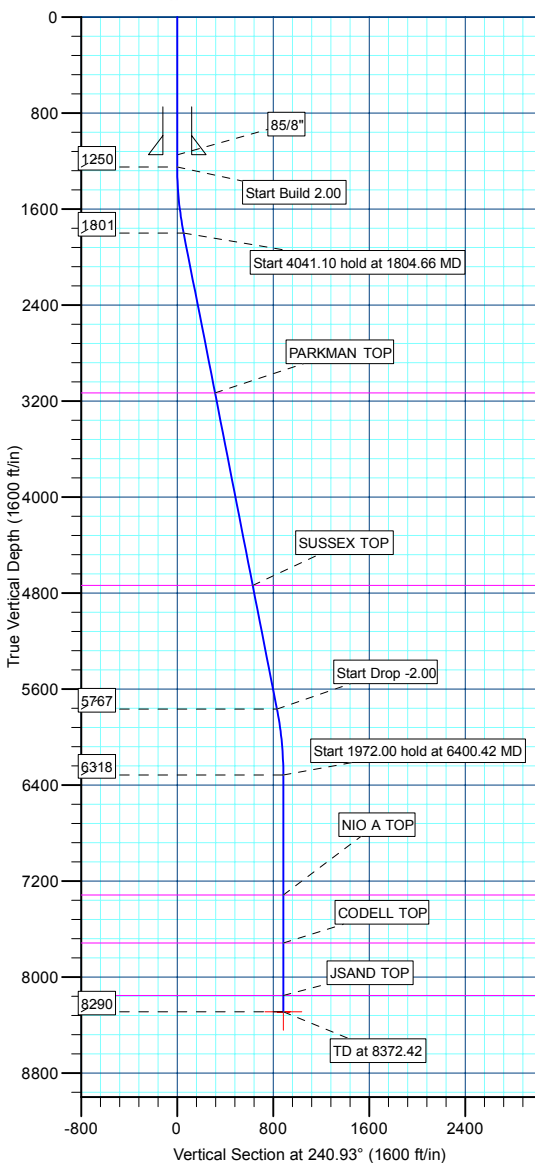
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1250.00	0.00	0.00	1250.00	0.00	0.00	0.00	0.00	0.00	
1804.66	11.09	240.93	1801.20	-26.01	-46.78	2.00	240.93	53.53	
5845.76	11.09	240.93	5766.80	-403.81	-726.35	0.00	0.00	831.06	
6400.42	0.00	0.00	6318.00	-429.82	-773.14	2.00	180.00	884.58	
8372.42	0.00	0.00	8290.00	-429.82	-773.14	0.00	0.00	884.58	PBHL_DRY CREEK 22-35(2590 FNL 1320 FWL)50' TGT RAD

#### CASING DETAILS

TVD	MD	Name	Size
1150.00	1150.00	85/8"	8.62



KB ELEV: WELL @ 5021.00ft (Original Well Elev)  
GRD ELEV: 5006.00



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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8290.00	-429.82	-773.14	1246315.61	3178590.06	40° 0' 27.936 N	104° 51' 44.820 W	Circle (Radius: 50.00)

Plan: PLAN #1 10-28-09 RHS (P\_DRY CREEK 22-35/P\_DRY CREEK 22-35)

Created By: Robert H. Scott

<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>North Reference:</b>	True
<b>Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	P_DRY CREEK 22-35		
<b>Design:</b>	PLAN #1 10-28-09 RHS		

<b>Project</b>	COLORADO NOTHERN ZONE - 83, KERR MCGEE OIL & GAS ONSHORE LP		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

<b>Site</b>	WELD_DRY CREEK 6-35 PAD, SECTION 35 T1N R67W			
<b>Site Position:</b>		<b>Northing:</b>	1,246,769.55 ft	<b>Latitude:</b> 40° 0' 32.364 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,179,404.76 ft	<b>Longitude:</b> 104° 51' 34.308 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in	<b>Grid Convergence:</b> 0.41 °

<b>Well</b>	P_DRY CREEK 22-35			
<b>Well Position</b>	<b>+N/-S</b>	-18.22 ft	<b>Northing:</b>	1,246,751.00 ft
	<b>+E/-W</b>	-44.82 ft	<b>Easting:</b>	3,179,360.07 ft
<b>Position Uncertainty</b>	0.00 ft		<b>Wellhead Elevation:</b>	ft
			<b>Ground Level:</b>	5,006.00 ft

<b>Wellbore</b>	P_DRY CREEK 22-35				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	10/28/2009	9.06	66.78	53,104

<b>Design</b>	PLAN #1 10-28-09 RHS			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	240.93

<b>Plan Sections</b>										
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	
1,250.00	0.00	0.00	1,250.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,804.66	11.09	240.93	1,801.20	-26.01	-46.78	2.00	2.00	0.00	240.93	
5,845.76	11.09	240.93	5,766.80	-403.81	-726.35	0.00	0.00	0.00	0.00	
6,400.42	0.00	0.00	6,318.00	-429.82	-773.14	2.00	-2.00	0.00	180.00	
8,372.42	0.00	0.00	8,290.00	-429.82	-773.14	0.00	0.00	0.00	0.00	PBHL_DRY CREEK

<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>North Reference:</b>	True
<b>Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	P_DRY CREEK 22-35		
<b>Design:</b>	PLAN #1 10-28-09 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)
<b>Start Build 2.00</b>									
1,250.00	0.00	0.00	1,250.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	1.00	240.93	1,300.00	-0.21	-0.38	0.44	2.00	2.00	0.00
1,400.00	3.00	240.93	1,399.93	-1.91	-3.43	3.93	2.00	2.00	0.00
1,500.00	5.00	240.93	1,499.68	-5.30	-9.53	10.90	2.00	2.00	0.00
1,600.00	7.00	240.93	1,599.13	-10.38	-18.66	21.35	2.00	2.00	0.00
1,700.00	9.00	240.93	1,698.15	-17.14	-30.83	35.27	2.00	2.00	0.00
1,800.00	11.00	240.93	1,796.63	-25.58	-46.00	52.63	2.00	2.00	0.00
<b>Start 4041.10 hold at 1804.66 MD</b>									
1,804.66	11.09	240.93	1,801.20	-26.01	-46.78	53.53	2.00	2.00	0.00
1,900.00	11.09	240.93	1,894.76	-34.92	-62.82	71.87	0.00	0.00	0.00
2,000.00	11.09	240.93	1,992.89	-44.27	-79.63	91.11	0.00	0.00	0.00
2,100.00	11.09	240.93	2,091.02	-53.62	-96.45	110.35	0.00	0.00	0.00
2,200.00	11.09	240.93	2,189.15	-62.97	-113.27	129.59	0.00	0.00	0.00
2,300.00	11.09	240.93	2,287.29	-72.32	-130.08	148.83	0.00	0.00	0.00
2,400.00	11.09	240.93	2,385.42	-81.67	-146.90	168.07	0.00	0.00	0.00
2,500.00	11.09	240.93	2,483.55	-91.02	-163.71	187.31	0.00	0.00	0.00
2,600.00	11.09	240.93	2,581.68	-100.37	-180.53	206.55	0.00	0.00	0.00
2,700.00	11.09	240.93	2,679.81	-109.72	-197.35	225.80	0.00	0.00	0.00
2,800.00	11.09	240.93	2,777.94	-119.06	-214.16	245.04	0.00	0.00	0.00
2,900.00	11.09	240.93	2,876.08	-128.41	-230.98	264.28	0.00	0.00	0.00
3,000.00	11.09	240.93	2,974.21	-137.76	-247.80	283.52	0.00	0.00	0.00
3,100.00	11.09	240.93	3,072.34	-147.11	-264.61	302.76	0.00	0.00	0.00
<b>PARKMAN TOP</b>									
3,162.84	11.09	240.93	3,134.00	-152.99	-275.18	314.85	0.00	0.00	0.00
3,200.00	11.09	240.93	3,170.47	-156.46	-281.43	322.00	0.00	0.00	0.00
3,300.00	11.09	240.93	3,268.60	-165.81	-298.25	341.24	0.00	0.00	0.00
3,400.00	11.09	240.93	3,366.73	-175.16	-315.06	360.48	0.00	0.00	0.00
3,500.00	11.09	240.93	3,464.86	-184.51	-331.88	379.72	0.00	0.00	0.00
3,600.00	11.09	240.93	3,563.00	-193.86	-348.70	398.96	0.00	0.00	0.00
3,700.00	11.09	240.93	3,661.13	-203.21	-365.51	418.20	0.00	0.00	0.00
3,800.00	11.09	240.93	3,759.26	-212.55	-382.33	437.44	0.00	0.00	0.00
3,900.00	11.09	240.93	3,857.39	-221.90	-399.15	456.68	0.00	0.00	0.00
4,000.00	11.09	240.93	3,955.52	-231.25	-415.96	475.92	0.00	0.00	0.00
4,100.00	11.09	240.93	4,053.65	-240.60	-432.78	495.16	0.00	0.00	0.00
4,200.00	11.09	240.93	4,151.79	-249.95	-449.59	514.40	0.00	0.00	0.00
4,300.00	11.09	240.93	4,249.92	-259.30	-466.41	533.64	0.00	0.00	0.00
4,400.00	11.09	240.93	4,348.05	-268.65	-483.23	552.88	0.00	0.00	0.00
4,500.00	11.09	240.93	4,446.18	-278.00	-500.04	572.13	0.00	0.00	0.00
4,600.00	11.09	240.93	4,544.31	-287.35	-516.86	591.37	0.00	0.00	0.00
4,700.00	11.09	240.93	4,642.44	-296.70	-533.68	610.61	0.00	0.00	0.00
<b>SUSSEX TOP</b>									
4,795.34	11.09	240.93	4,736.00	-305.61	-549.71	628.95	0.00	0.00	0.00
4,800.00	11.09	240.93	4,740.57	-306.05	-550.49	629.85	0.00	0.00	0.00
4,900.00	11.09	240.93	4,838.71	-315.39	-567.31	649.09	0.00	0.00	0.00
5,000.00	11.09	240.93	4,936.84	-324.74	-584.13	668.33	0.00	0.00	0.00
5,100.00	11.09	240.93	5,034.97	-334.09	-600.94	687.57	0.00	0.00	0.00
5,200.00	11.09	240.93	5,133.10	-343.44	-617.76	706.81	0.00	0.00	0.00
5,300.00	11.09	240.93	5,231.23	-352.79	-634.58	726.05	0.00	0.00	0.00
5,400.00	11.09	240.93	5,329.36	-362.14	-651.39	745.29	0.00	0.00	0.00
5,500.00	11.09	240.93	5,427.50	-371.49	-668.21	764.53	0.00	0.00	0.00
5,600.00	11.09	240.93	5,525.63	-380.84	-685.03	783.77	0.00	0.00	0.00
5,700.00	11.09	240.93	5,623.76	-390.19	-701.84	803.01	0.00	0.00	0.00

<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>North Reference:</b>	True
<b>Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	P_DRY CREEK 22-35		
<b>Design:</b>	PLAN #1 10-28-09 RHS		

#### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,800.00	11.09	240.93	5,721.89	-399.54	-718.66	822.25	0.00	0.00	0.00
<b>Start Drop -2.00</b>									
5,845.76	11.09	240.93	5,766.80	-403.81	-726.35	831.06	0.00	0.00	0.00
5,900.00	10.01	240.93	5,820.12	-408.64	-735.03	840.99	2.00	-2.00	0.00
6,000.00	8.01	240.93	5,918.88	-416.25	-748.72	856.65	2.00	-2.00	0.00
6,100.00	6.01	240.93	6,018.13	-422.18	-759.38	868.85	2.00	-2.00	0.00
6,200.00	4.01	240.93	6,117.74	-426.42	-767.01	877.58	2.00	-2.00	0.00
6,300.00	2.01	240.93	6,217.60	-428.97	-771.60	882.82	2.00	-2.00	0.00
6,400.00	0.01	240.93	6,317.58	-429.82	-773.14	884.58	2.00	-2.00	0.00
<b>Start 1972.00 hold at 6400.42 MD</b>									
6,400.42	0.00	0.00	6,318.00	-429.82	-773.14	884.58	2.00	-2.00	28,107.67
6,500.00	0.00	0.00	6,417.58	-429.82	-773.14	884.58	0.00	0.00	0.00
6,600.00	0.00	0.00	6,517.58	-429.82	-773.14	884.58	0.00	0.00	0.00
6,700.00	0.00	0.00	6,617.58	-429.82	-773.14	884.58	0.00	0.00	0.00
6,800.00	0.00	0.00	6,717.58	-429.82	-773.14	884.58	0.00	0.00	0.00
6,900.00	0.00	0.00	6,817.58	-429.82	-773.14	884.58	0.00	0.00	0.00
7,000.00	0.00	0.00	6,917.58	-429.82	-773.14	884.58	0.00	0.00	0.00
7,100.00	0.00	0.00	7,017.58	-429.82	-773.14	884.58	0.00	0.00	0.00
7,200.00	0.00	0.00	7,117.58	-429.82	-773.14	884.58	0.00	0.00	0.00
7,300.00	0.00	0.00	7,217.58	-429.82	-773.14	884.58	0.00	0.00	0.00
7,400.00	0.00	0.00	7,317.58	-429.82	-773.14	884.58	0.00	0.00	0.00
<b>NIO A TOP</b>									
7,400.42	0.00	0.00	7,318.00	-429.82	-773.14	884.58	0.00	0.00	0.00
7,500.00	0.00	0.00	7,417.58	-429.82	-773.14	884.58	0.00	0.00	0.00
7,600.00	0.00	0.00	7,517.58	-429.82	-773.14	884.58	0.00	0.00	0.00
7,700.00	0.00	0.00	7,617.58	-429.82	-773.14	884.58	0.00	0.00	0.00
7,800.00	0.00	0.00	7,717.58	-429.82	-773.14	884.58	0.00	0.00	0.00
<b>CODELL TOP</b>									
7,800.42	0.00	0.00	7,718.00	-429.82	-773.14	884.58	0.00	0.00	0.00
7,900.00	0.00	0.00	7,817.58	-429.82	-773.14	884.58	0.00	0.00	0.00
8,000.00	0.00	0.00	7,917.58	-429.82	-773.14	884.58	0.00	0.00	0.00
8,100.00	0.00	0.00	8,017.58	-429.82	-773.14	884.58	0.00	0.00	0.00
8,200.00	0.00	0.00	8,117.58	-429.82	-773.14	884.58	0.00	0.00	0.00
<b>JSAND TOP</b>									
8,237.42	0.00	0.00	8,155.00	-429.82	-773.14	884.58	0.00	0.00	0.00
8,300.00	0.00	0.00	8,217.58	-429.82	-773.14	884.58	0.00	0.00	0.00
<b>PBHL_DRY CREEK 22-35(2590 FNL 1320 FWL)50' TGT RAD</b>									
8,372.42	0.00	0.00	8,290.00	-429.82	-773.14	884.58	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_DRY CREEK 2	0.00	0.00	8,290.00	-429.82	-773.14	1,246,315.61	3,178,590.06	40° 0' 27.936 N	104° 51' 44.820 W
- plan hits target center									
- Circle (radius 50.00)									

<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>North Reference:</b>	True
<b>Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	P_DRY CREEK 22-35		
<b>Design:</b>	PLAN #1 10-28-09 RHS		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,150.00	1,150.00	85/8"	8.62	11.00	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,162.84	3,134.00	PARKMAN TOP				
4,795.34	4,736.00	SUSSEX TOP				
7,400.42	7,318.00	NIO A TOP				
7,800.42	7,718.00	CODELL TOP				
8,237.42	8,155.00	JSAND TOP				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,250.00	1,250.00	0.00	0.00	Start Build 2.00	
1,804.66	1,801.20	-26.01	-46.78	Start 4041.10 hold at 1804.66 MD	
5,845.76	5,766.80	-403.81	-726.35	Start Drop -2.00	
6,400.42	6,318.00	-429.82	-773.14	Start 1972.00 hold at 6400.42 MD	
8,372.42	8,290.00	-429.82	-773.14	TD at 8372.42	



# **US ROCKIES REGION PLANNING**

**COLORADO NOTHERN ZONE - 83  
WELD\_DRY CREEK 6-35 PAD  
P\_DRY CREEK 22-35**

**P\_DRY CREEK 22-35  
PLAN #1 10-28-09 RHS**

## **Anticollision Report**

**28 October, 2009**



<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PLAN #1 10-28-09 RHS		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	0.00 to 20,000.00ft	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.00ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>	<b>Date</b>	10/28/2009		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	8,372.42	PLAN #1 10-28-09 RHS (P_DRY CREEK	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						
WELD_DRY CREEK 6-35 PAD						
P_DRY CREEK 21-35 - P_DRY CREEK 21-35 - PLAN #	1,250.00	1,250.00	64.11	58.75	11.960	CC, ES
P_DRY CREEK 21-35 - P_DRY CREEK 21-35 - PLAN #	1,300.00	1,299.13	64.88	59.31	11.647	SF
P_DRY CREEK 29-35 - P_DRY CREEK 29-35 - PLAN #	200.00	200.00	17.20	16.56	26.848	CC
P_DRY CREEK 29-35 - P_DRY CREEK 29-35 - PLAN #	300.00	299.88	17.52	16.43	16.077	ES
P_DRY CREEK 29-35 - P_DRY CREEK 29-35 - PLAN #	500.00	498.67	24.76	22.74	12.255	SF
P_DRY CREEK 3-35 - P_DRY CREEK 3-35 - PLAN #1 1	200.00	200.00	48.38	42.36	8.036	CC
P_DRY CREEK 3-35 - P_DRY CREEK 3-35 - PLAN #1 1	500.00	497.57	54.67	36.12	2.948	ES
P_DRY CREEK 3-35 - P_DRY CREEK 3-35 - PLAN #1 1	700.00	692.83	72.92	46.14	2.723	SF
P_DRY CREEK 4-35 - P_DRY CREEK 4-35 - PLAN #1 1	461.13	461.49	27.60	25.78	15.171	CC, ES
P_DRY CREEK 4-35 - P_DRY CREEK 4-35 - PLAN #1 1	600.00	599.07	31.89	29.45	13.065	SF
P_DRY CREEK 5-35 - P_DRY CREEK 5-35 - PLAN #1 1	473.18	473.60	8.88	7.02	4.780	CC, ES
P_DRY CREEK 5-35 - P_DRY CREEK 5-35 - PLAN #1 1	500.00	500.27	9.27	7.30	4.709	SF
RULE #6-35A EXISTING - RULE #6-35A EXISTING - RL	1,250.00	1,239.00	73.77	23.53	1.468	Level 3, CC
RULE #6-35A EXISTING - RULE #6-35A EXISTING - RL	1,500.00	1,488.68	77.62	16.94	1.279	Level 3, ES
RULE #6-35A EXISTING - RULE #6-35A EXISTING - RL	1,600.00	1,588.13	82.51	17.72	1.273	Level 3, SF

Offset Design		WELD_DRY CREEK 6-35 PAD - P_DRY CREEK 21-35 - P_DRY CREEK 21-35 - PLAN #1 10-28-09 R										Offset Site Error:		0.00 ft	
Survey Program:		0-MWD										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	66.56	25.50	58.82	64.11						
100.00	100.00	100.00	100.00	0.10	0.10	66.56	25.50	58.82	64.11	63.92	0.19	335.583			
200.00	200.00	200.00	200.00	0.32	0.32	66.56	25.50	58.82	64.11	63.47	0.64	100.086			
300.00	300.00	300.00	300.00	0.55	0.55	66.56	25.50	58.82	64.11	63.02	1.09	58.814			
400.00	400.00	400.00	400.00	0.77	0.77	66.56	25.50	58.82	64.11	62.57	1.54	41.642			
500.00	500.00	500.00	500.00	0.99	0.99	66.56	25.50	58.82	64.11	62.12	1.99	32.231			
600.00	600.00	600.00	600.00	1.22	1.22	66.56	25.50	58.82	64.11	61.67	2.44	26.290			
700.00	700.00	700.00	700.00	1.44	1.44	66.56	25.50	58.82	64.11	61.23	2.89	22.198			
800.00	800.00	800.00	800.00	1.67	1.67	66.56	25.50	58.82	64.11	60.78	3.34	19.208			
900.00	900.00	900.00	900.00	1.89	1.89	66.56	25.50	58.82	64.11	60.33	3.79	16.929			
1,000.00	1,000.00	1,000.00	1,000.00	2.12	2.12	66.56	25.50	58.82	64.11	59.88	4.24	15.132			
1,100.00	1,100.00	1,100.00	1,100.00	2.34	2.34	66.56	25.50	58.82	64.11	59.43	4.69	13.681			
1,200.00	1,200.00	1,200.00	1,200.00	2.57	2.57	66.56	25.50	58.82	64.11	58.98	5.14	12.483			

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

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design WELD_DRY CREEK 6-35 PAD - P_DRY CREEK 21-35 - P_DRY CREEK 21-35 - PLAN #1 10-28-09 R												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
1,250.00	1,250.00	1,250.00	1,250.00	2.68	2.68	66.56	25.50	58.82	64.11	58.75	5.36	11.960	CC, ES
1,300.00	1,300.00	1,299.13	1,299.13	2.78	2.79	-174.63	25.87	59.02	64.88	59.31	5.57	11.647	SF
1,400.00	1,399.93	1,397.07	1,397.01	2.97	3.01	-176.58	28.84	60.57	71.07	65.10	5.96	11.914	
1,500.00	1,499.68	1,494.06	1,493.76	3.17	3.22	-179.59	34.71	63.64	83.60	77.24	6.35	13.155	
1,600.00	1,599.13	1,589.47	1,588.68	3.38	3.45	177.28	43.30	68.13	102.59	95.85	6.74	15.223	
1,700.00	1,698.15	1,682.75	1,681.11	3.62	3.68	174.56	54.41	73.94	128.01	120.89	7.12	17.986	
1,804.66	1,801.20	1,777.54	1,774.56	3.91	3.93	172.27	68.42	81.27	161.32	153.81	7.51	21.491	
1,900.00	1,894.76	1,863.13	1,858.49	4.20	4.19	170.66	83.30	89.05	195.85	187.94	7.91	24.763	
2,000.00	1,992.89	1,955.96	1,949.39	4.53	4.49	169.37	99.99	97.77	232.75	224.40	8.35	27.875	
2,100.00	2,091.02	2,048.79	2,040.29	4.88	4.80	168.44	116.67	106.49	269.74	260.94	8.80	30.655	
2,200.00	2,189.15	2,141.63	2,131.20	5.23	5.13	167.73	133.35	115.22	306.77	297.51	9.26	33.141	
2,300.00	2,287.29	2,234.46	2,222.10	5.60	5.46	167.17	150.04	123.94	343.83	334.11	9.72	35.371	
2,400.00	2,385.42	2,327.29	2,313.00	5.98	5.81	166.72	166.72	132.66	380.91	370.72	10.19	37.378	
2,500.00	2,483.55	2,420.12	2,403.91	6.37	6.16	166.35	183.40	141.39	418.02	407.35	10.67	39.190	
2,600.00	2,581.68	2,512.95	2,494.81	6.76	6.52	166.04	200.09	150.11	455.13	443.98	11.15	40.833	
2,700.00	2,679.81	2,605.79	2,585.71	7.16	6.88	165.78	216.77	158.83	492.25	480.62	11.63	42.327	
2,800.00	2,777.94	2,698.62	2,676.61	7.56	7.25	165.55	233.45	167.56	529.38	517.27	12.12	43.689	
2,900.00	2,876.08	2,791.45	2,767.52	7.97	7.62	165.36	250.14	176.28	566.52	553.91	12.61	44.934	
3,000.00	2,974.21	2,884.28	2,858.42	8.38	8.00	165.19	266.82	185.01	603.66	590.56	13.10	46.078	
3,100.00	3,072.34	2,977.11	2,949.32	8.79	8.38	165.03	283.50	193.73	640.81	627.21	13.60	47.130	
3,200.00	3,170.47	3,069.95	3,040.23	9.20	8.76	164.90	300.19	202.45	677.96	663.87	14.09	48.101	
3,300.00	3,268.60	3,162.78	3,131.13	9.62	9.14	164.78	316.87	211.18	715.11	700.52	14.59	49.000	
3,400.00	3,366.73	3,255.61	3,222.03	10.03	9.52	164.67	333.55	219.90	752.27	737.17	15.10	49.834	
3,500.00	3,464.86	3,348.44	3,312.94	10.45	9.91	164.57	350.24	228.62	789.43	773.83	15.60	50.609	
3,600.00	3,563.00	3,441.27	3,403.84	10.87	10.30	164.48	366.92	237.35	826.59	810.48	16.10	51.331	
3,700.00	3,661.13	3,534.11	3,494.74	11.30	10.69	164.40	383.60	246.07	863.75	847.14	16.61	52.005	
3,800.00	3,759.26	3,626.94	3,585.64	11.72	11.08	164.32	400.29	254.79	900.91	883.80	17.12	52.636	
3,900.00	3,857.39	3,719.77	3,676.55	12.14	11.47	164.25	416.97	263.52	938.07	920.45	17.62	53.228	
4,000.00	3,955.52	3,812.60	3,767.45	12.57	11.86	164.19	433.65	272.24	975.24	957.11	18.13	53.783	
4,100.00	4,053.65	3,905.43	3,858.35	12.99	12.25	164.13	450.34	280.96	1,012.41	993.76	18.64	54.306	
4,200.00	4,151.79	3,998.27	3,949.26	13.42	12.65	164.07	467.02	289.69	1,049.57	1,030.42	19.15	54.798	
4,300.00	4,249.92	4,091.10	4,040.16	13.85	13.04	164.02	483.70	298.41	1,086.74	1,067.07	19.66	55.263	
4,400.00	4,348.05	4,183.93	4,131.06	14.27	13.43	163.97	500.39	307.13	1,123.91	1,103.73	20.18	55.702	
4,500.00	4,446.18	4,276.76	4,221.96	14.70	13.83	163.93	517.07	315.86	1,161.08	1,140.39	20.69	56.117	
4,600.00	4,544.31	4,369.59	4,312.87	15.13	14.23	163.88	533.75	324.58	1,198.25	1,177.04	21.20	56.511	
4,700.00	4,642.44	4,462.43	4,403.77	15.56	14.62	163.84	550.44	333.30	1,235.42	1,213.70	21.72	56.885	
4,800.00	4,740.57	4,555.26	4,494.67	15.99	15.02	163.81	567.12	342.03	1,272.59	1,250.35	22.23	57.240	
4,900.00	4,838.71	4,648.09	4,585.58	16.42	15.42	163.77	583.80	350.75	1,309.76	1,287.01	22.75	57.578	
5,000.00	4,936.84	4,740.92	4,676.48	16.85	15.81	163.74	600.49	359.47	1,346.93	1,323.67	23.26	57.900	
5,100.00	5,034.97	4,833.75	4,767.38	17.28	16.21	163.71	617.17	368.20	1,384.10	1,360.32	23.78	58.207	
5,200.00	5,133.10	4,926.59	4,858.28	17.71	16.61	163.68	633.85	376.92	1,421.27	1,396.98	24.30	58.499	
5,300.00	5,231.23	5,019.42	4,949.19	18.14	17.01	163.65	650.54	385.64	1,458.45	1,433.63	24.81	58.779	
5,400.00	5,329.36	5,112.25	5,040.09	18.57	17.41	163.62	667.22	394.37	1,495.62	1,470.29	25.33	59.047	
5,500.00	5,427.50	5,205.08	5,130.99	19.00	17.81	163.59	683.91	403.09	1,532.79	1,506.94	25.85	59.303	
5,600.00	5,525.63	5,297.91	5,221.90	19.43	18.21	163.57	700.59	411.81	1,569.96	1,543.60	26.36	59.548	
5,700.00	5,623.76	5,390.74	5,312.80	19.87	18.61	163.55	717.27	420.54	1,607.14	1,580.26	26.88	59.783	
5,800.00	5,721.89	5,483.58	5,403.70	20.30	19.01	163.52	733.96	429.26	1,644.31	1,616.91	27.40	60.009	
5,845.76	5,766.80	5,526.06	5,445.30	20.50	19.19	163.52	741.59	433.25	1,661.32	1,633.69	27.64	60.109	
5,900.00	5,820.12	5,576.59	5,494.78	20.69	19.41	163.62	750.67	438.00	1,681.03	1,653.03	27.99	60.052	
6,000.00	5,918.88	5,670.64	5,586.88	20.97	19.81	163.76	767.57	446.84	1,714.94	1,686.34	28.60	59.958	
6,100.00	6,018.13	5,765.76	5,680.02	21.21	20.22	163.85	784.67	455.78	1,745.68	1,716.50	29.18	59.831	
6,200.00	6,117.74	5,938.74	5,849.96	21.42	20.86	163.82	813.18	470.69	1,772.07	1,742.19	29.87	59.321	

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

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> WELD_DRY CREEK 6-35 PAD - P_DRY CREEK 21-35 - P_DRY CREEK 21-35 - PLAN #1 10-28-09 R												<b>Offset Site Error:</b>	0.00 ft
Survey Program: 0-MWD												<b>Offset Well Error:</b>	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	
6,300.00	6,217.60	6,181.76	6,091.27	21.59	21.46	163.75	838.19	483.76	1,788.17	1,757.59	30.58	58.471	
6,400.42	6,318.00	6,408.69	6,318.00	21.73	21.81	44.67	845.13	487.39	1,792.88	1,761.72	31.16	57.533	
6,500.00	6,417.58	6,508.26	6,417.58	21.85	21.95	44.67	845.13	487.39	1,792.88	1,761.36	31.53	56.867	
6,600.00	6,517.58	6,608.26	6,517.58	21.98	22.09	44.67	845.13	487.39	1,792.88	1,760.99	31.90	56.212	
6,700.00	6,617.58	6,708.26	6,617.58	22.11	22.23	44.67	845.13	487.39	1,792.88	1,760.62	32.26	55.568	
6,800.00	6,717.58	6,808.26	6,717.58	22.24	22.37	44.67	845.13	487.39	1,792.88	1,760.25	32.64	54.935	
6,900.00	6,817.58	6,908.26	6,817.58	22.37	22.51	44.67	845.13	487.39	1,792.88	1,759.88	33.01	54.314	
7,000.00	6,917.58	7,008.26	6,917.58	22.51	22.66	44.67	845.13	487.39	1,792.88	1,759.50	33.39	53.703	
7,100.00	7,017.58	7,108.26	7,017.58	22.64	22.80	44.67	845.13	487.39	1,792.88	1,759.12	33.76	53.103	
7,200.00	7,117.58	7,208.26	7,117.58	22.78	22.95	44.67	845.13	487.39	1,792.88	1,758.74	34.14	52.514	
7,300.00	7,217.58	7,308.26	7,217.58	22.92	23.10	44.67	845.13	487.39	1,792.88	1,758.36	34.52	51.935	
7,400.00	7,317.58	7,408.26	7,317.58	23.06	23.24	44.67	845.13	487.39	1,792.88	1,757.98	34.90	51.366	
7,500.00	7,417.58	7,508.26	7,417.58	23.20	23.39	44.67	845.13	487.39	1,792.88	1,757.60	35.29	50.807	
7,600.00	7,517.58	7,608.26	7,517.58	23.34	23.55	44.67	845.13	487.39	1,792.88	1,757.21	35.67	50.258	
7,700.00	7,617.58	7,708.26	7,617.58	23.48	23.70	44.67	845.13	487.39	1,792.88	1,756.82	36.06	49.719	
7,800.00	7,717.58	7,808.26	7,717.58	23.63	23.85	44.67	845.13	487.39	1,792.88	1,756.44	36.45	49.189	
7,900.00	7,817.58	7,908.26	7,817.58	23.78	24.01	44.67	845.13	487.39	1,792.88	1,756.05	36.84	48.669	
8,000.00	7,917.58	8,008.26	7,917.58	23.92	24.16	44.67	845.13	487.39	1,792.88	1,755.66	37.23	48.158	
8,100.00	8,017.58	8,108.26	8,017.58	24.07	24.32	44.67	845.13	487.39	1,792.88	1,755.26	37.62	47.655	
8,200.00	8,117.58	8,208.26	8,117.58	24.22	24.48	44.67	845.13	487.39	1,792.88	1,754.87	38.02	47.162	
8,300.00	8,217.58	8,308.26	8,217.58	24.37	24.64	44.67	845.13	487.39	1,792.88	1,754.47	38.41	46.677	
8,341.98	8,259.55	8,350.24	8,259.55	24.44	24.70	44.67	845.13	487.39	1,792.88	1,754.31	38.58	46.476	
8,372.42	8,290.00	8,365.69	8,275.00	24.48	24.73	44.67	845.13	487.39	1,792.95	1,754.28	38.67	46.369	

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design WELD_DRY CREEK 6-35 PAD - P_DRY CREEK 29-35 - P_DRY CREEK 29-35 - PLAN #1 10-28-09 R												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
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	-102.24	-3.65	-16.81	17.20				
100.00	100.00	100.00	100.00	0.10	0.10	-102.24	-3.65	-16.81	17.20	17.01	0.19	90.019	
200.00	200.00	200.00	200.00	0.32	0.32	-102.24	-3.65	-16.81	17.20	16.56	0.64	26.848 CC	
300.00	300.00	299.88	299.86	0.55	0.54	-96.59	-2.01	-17.40	17.52	16.43	1.09	16.077 ES	
400.00	400.00	399.52	399.35	0.77	0.77	-81.46	2.88	-19.18	19.40	17.86	1.54	12.564	
500.00	500.00	498.67	498.13	0.99	1.02	-63.61	10.97	-22.12	24.76	22.74	2.02	12.255 SF	
600.00	600.00	597.11	595.84	1.22	1.30	-49.74	22.18	-26.19	34.57	32.04	2.53	13.671	
700.00	700.00	694.62	692.17	1.44	1.62	-40.75	36.39	-31.35	48.66	45.59	3.07	15.845	
800.00	800.00	790.99	786.80	1.67	1.98	-35.09	53.45	-37.55	66.64	62.99	3.65	18.256	
900.00	900.00	886.02	879.48	1.89	2.38	-31.42	73.19	-44.72	88.19	83.92	4.27	20.667	
1,000.00	1,000.00	979.53	969.94	2.12	2.83	-28.95	95.42	-52.79	113.12	108.20	4.92	22.977	
1,100.00	1,100.00	1,071.37	1,058.00	2.34	3.32	-27.22	119.95	-61.70	141.28	135.66	5.62	25.147	
1,200.00	1,200.00	1,161.40	1,143.45	2.57	3.85	-25.96	146.56	-71.37	172.54	166.19	6.35	27.171	
1,250.00	1,250.00	1,205.70	1,185.17	2.68	4.12	-25.46	160.58	-76.46	189.30	182.58	6.72	28.155	
1,300.00	1,300.00	1,249.47	1,226.16	2.78	4.42	93.79	175.02	-81.71	206.82	201.11	5.71	36.219	
1,400.00	1,399.93	1,335.29	1,305.80	2.97	5.02	94.50	205.04	-92.61	244.21	238.06	6.15	39.727	
1,500.00	1,499.68	1,418.61	1,382.19	3.17	5.64	95.44	236.31	-103.97	284.78	278.19	6.59	43.212	
1,600.00	1,599.13	1,506.18	1,461.73	3.38	6.33	96.61	270.75	-116.48	327.84	320.77	7.07	46.392	
1,700.00	1,698.15	1,595.16	1,542.52	3.62	7.04	97.88	305.80	-129.21	371.74	364.17	7.57	49.089	
1,804.66	1,801.20	1,687.51	1,626.37	3.91	7.78	99.24	342.18	-142.43	418.67	410.53	8.14	51.451	
1,900.00	1,894.76	1,771.24	1,702.38	4.20	8.46	101.23	375.17	-154.41	462.14	453.45	8.69	53.168	
2,000.00	1,992.89	1,859.06	1,782.12	4.53	9.18	102.95	409.77	-166.97	508.14	498.83	9.31	54.607	
2,100.00	2,091.02	1,946.88	1,861.85	4.88	9.89	104.40	444.36	-179.54	554.45	544.50	9.94	55.755	
2,200.00	2,189.15	2,034.70	1,941.58	5.23	10.61	105.62	478.96	-192.11	601.00	590.39	10.60	56.679	
2,300.00	2,287.29	2,122.52	2,021.32	5.60	11.33	106.67	513.56	-204.67	647.73	636.45	11.28	57.430	
2,400.00	2,385.42	2,210.34	2,101.05	5.98	12.05	107.58	548.15	-217.24	694.61	682.65	11.97	58.046	
2,500.00	2,483.55	2,298.16	2,180.78	6.37	12.77	108.38	582.75	-229.81	741.62	728.95	12.67	58.555	
2,600.00	2,581.68	2,385.98	2,260.51	6.76	13.49	109.08	617.35	-242.38	788.72	775.35	13.37	58.981	
2,700.00	2,679.81	2,473.79	2,340.25	7.16	14.22	109.71	651.94	-254.94	835.91	821.82	14.09	59.339	
2,800.00	2,777.94	2,561.61	2,419.98	7.56	14.94	110.26	686.54	-267.51	883.16	868.36	14.81	59.643	
2,900.00	2,876.08	2,649.43	2,499.71	7.97	15.66	110.76	721.14	-280.08	930.48	914.95	15.53	59.904	
3,000.00	2,974.21	2,737.25	2,579.45	8.38	16.39	111.22	755.73	-292.64	977.84	961.58	16.26	60.128	
3,100.00	3,072.34	2,825.07	2,659.18	8.79	17.11	111.63	790.33	-305.21	1,025.25	1,008.26	17.00	60.323	
3,200.00	3,170.47	2,912.89	2,738.91	9.20	17.84	112.00	824.93	-317.78	1,072.70	1,054.96	17.73	60.493	
3,300.00	3,268.60	3,000.71	2,818.65	9.62	18.56	112.35	859.52	-330.34	1,120.18	1,101.70	18.47	60.642	
3,400.00	3,366.73	3,088.53	2,898.38	10.03	19.29	112.66	894.12	-342.91	1,167.68	1,148.47	19.21	60.774	
3,500.00	3,464.86	3,176.35	2,978.11	10.45	20.01	112.95	928.71	-355.48	1,215.22	1,195.26	19.96	60.890	
3,600.00	3,563.00	3,264.17	3,057.85	10.87	20.74	113.22	963.31	-368.04	1,262.77	1,242.07	20.70	60.994	
3,700.00	3,661.13	3,351.99	3,137.58	11.30	21.46	113.47	997.91	-380.61	1,310.35	1,288.90	21.45	61.087	
3,800.00	3,759.26	3,439.81	3,217.31	11.72	22.19	113.70	1,032.50	-393.18	1,357.94	1,335.74	22.20	61.170	
3,900.00	3,857.39	3,527.63	3,297.04	12.14	22.92	113.92	1,067.10	-405.74	1,405.55	1,382.60	22.95	61.245	
4,000.00	3,955.52	3,615.44	3,376.78	12.57	23.64	114.12	1,101.70	-418.31	1,453.17	1,429.47	23.70	61.313	
4,100.00	4,053.65	3,703.26	3,456.51	12.99	24.37	114.31	1,136.29	-430.88	1,500.81	1,476.36	24.45	61.375	
4,200.00	4,151.79	3,791.08	3,536.24	13.42	25.09	114.49	1,170.89	-443.44	1,548.46	1,523.25	25.21	61.431	
4,300.00	4,249.92	3,878.90	3,615.98	13.85	25.82	114.66	1,205.49	-456.01	1,596.12	1,570.16	25.96	61.482	
4,400.00	4,348.05	3,966.72	3,695.71	14.27	26.55	114.82	1,240.08	-468.58	1,643.79	1,617.07	26.72	61.529	
4,500.00	4,446.18	4,054.54	3,775.44	14.70	27.27	114.96	1,274.68	-481.14	1,691.47	1,663.99	27.47	61.572	
4,600.00	4,544.31	4,142.36	3,855.18	15.13	28.00	115.11	1,309.28	-493.71	1,739.15	1,710.93	28.23	61.612	
4,700.00	4,642.44	4,230.18	3,934.91	15.56	28.73	115.24	1,343.87	-506.28	1,786.85	1,757.86	28.98	61.648	
4,800.00	4,740.57	4,318.00	4,014.64	15.99	29.46	115.36	1,378.47	-518.84	1,834.55	1,804.81	29.74	61.682	
4,900.00	4,838.71	4,405.82	4,094.38	16.42	30.18	115.48	1,413.07	-531.41	1,882.26	1,851.76	30.50	61.713	
5,000.00	4,936.84	4,493.64	4,174.11	16.85	30.91	115.60	1,447.66	-543.98	1,929.97	1,898.71	31.26	61.742	

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

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,100.00	5,034.97	4,581.46	4,253.84	17.28	31.64	115.71	1,482.26	-556.55	1,977.69	1,945.68	32.02	61.769	
5,200.00	5,133.10	4,669.28	4,333.58	17.71	32.36	115.81	1,516.86	-569.11	2,025.42	1,992.64	32.78	61.795	
5,300.00	5,231.23	4,757.09	4,413.31	18.14	33.09	115.91	1,551.45	-581.68	2,073.15	2,039.61	33.54	61.818	
5,400.00	5,329.36	4,844.91	4,493.04	18.57	33.82	116.00	1,586.05	-594.25	2,120.88	2,086.59	34.30	61.840	
5,500.00	5,427.50	4,932.73	4,572.77	19.00	34.55	116.09	1,620.65	-606.81	2,168.62	2,133.57	35.06	61.861	
5,600.00	5,525.63	5,020.55	4,652.51	19.43	35.27	116.18	1,655.24	-619.38	2,216.37	2,180.55	35.82	61.880	
5,700.00	5,623.76	5,108.37	4,732.24	19.87	36.00	116.26	1,689.84	-631.95	2,264.11	2,227.53	36.58	61.898	
5,800.00	5,721.89	5,196.19	4,811.97	20.30	36.73	116.34	1,724.44	-644.51	2,311.86	2,274.52	37.34	61.915	
5,845.76	5,766.80	5,236.38	4,848.46	20.50	37.06	116.38	1,740.27	-650.26	2,333.72	2,296.03	37.69	61.923	
5,900.00	5,820.12	5,284.13	4,891.82	20.69	37.46	116.93	1,759.08	-657.10	2,359.41	2,321.16	38.25	61.677	
6,000.00	5,918.88	5,372.76	4,972.28	20.97	38.19	117.84	1,794.00	-669.78	2,405.71	2,366.49	39.22	61.336	
6,100.00	6,018.13	5,462.06	5,053.36	21.21	38.93	118.63	1,829.18	-682.56	2,450.56	2,410.42	40.14	61.044	
6,200.00	6,117.74	5,590.10	5,169.77	21.42	39.94	119.22	1,879.29	-700.76	2,493.86	2,452.72	41.14	60.621	
6,300.00	6,217.60	5,727.99	5,279.21	21.59	42.67	118.97	2,039.21	-758.85	2,526.25	2,483.28	42.97	58.785	
6,400.42	6,318.00	5,872.10	5,372.65	21.73	44.07	-0.25	2,108.58	-784.05	2,538.92	2,494.67	44.25	57.376	
6,500.00	6,417.58	5,972.03	5,472.58	21.85	44.18	-0.25	2,109.17	-784.26	2,539.02	2,494.47	44.55	56.988	
6,600.00	6,517.58	6,072.03	5,572.58	21.98	44.24	-0.25	2,109.17	-784.26	2,539.02	2,494.21	44.81	56.658	
6,700.00	6,617.58	6,172.03	5,672.58	22.11	44.31	-0.25	2,109.17	-784.26	2,539.02	2,493.95	45.08	56.328	
6,800.00	6,717.58	6,272.03	5,772.58	22.24	44.37	-0.25	2,109.17	-784.26	2,539.02	2,493.68	45.34	55.998	
6,900.00	6,817.58	6,372.03	5,872.58	22.37	44.44	-0.25	2,109.17	-784.26	2,539.02	2,493.41	45.61	55.669	
7,000.00	6,917.58	6,472.03	5,972.58	22.51	44.51	-0.25	2,109.17	-784.26	2,539.02	2,493.14	45.88	55.340	
7,100.00	7,017.58	6,572.03	6,072.58	22.64	44.58	-0.25	2,109.17	-784.26	2,539.02	2,492.87	46.15	55.012	
7,200.00	7,117.58	6,672.03	6,172.58	22.78	44.65	-0.25	2,109.17	-784.26	2,539.02	2,492.59	46.43	54.684	
7,300.00	7,217.58	6,772.03	6,272.58	22.92	44.73	-0.25	2,109.17	-784.26	2,539.02	2,492.31	46.71	54.357	
7,400.00	7,317.58	6,872.03	6,372.58	23.06	44.80	-0.25	2,109.17	-784.26	2,539.02	2,492.03	46.99	54.031	
7,500.00	7,417.58	6,972.03	6,472.58	23.20	44.87	-0.25	2,109.17	-784.26	2,539.02	2,491.74	47.28	53.706	
7,600.00	7,517.58	7,072.03	6,572.58	23.34	44.95	-0.25	2,109.17	-784.26	2,539.02	2,491.46	47.56	53.382	
7,700.00	7,617.58	7,172.03	6,672.58	23.48	45.03	-0.25	2,109.17	-784.26	2,539.02	2,491.17	47.85	53.059	
7,800.00	7,717.58	7,272.03	6,772.58	23.63	45.10	-0.25	2,109.17	-784.26	2,539.02	2,490.88	48.14	52.738	
7,900.00	7,817.58	7,372.03	6,872.58	23.78	45.18	-0.25	2,109.17	-784.26	2,539.02	2,490.58	48.44	52.417	
8,000.00	7,917.58	7,472.03	6,972.58	23.92	45.26	-0.25	2,109.17	-784.26	2,539.02	2,490.29	48.74	52.098	
8,100.00	8,017.58	7,572.03	7,072.58	24.07	45.34	-0.25	2,109.17	-784.26	2,539.02	2,489.99	49.03	51.780	
8,200.00	8,117.58	7,672.03	7,172.58	24.22	45.42	-0.25	2,109.17	-784.26	2,539.02	2,489.69	49.34	51.464	
8,300.00	8,217.58	7,772.03	7,272.58	24.37	45.51	-0.25	2,109.17	-784.26	2,539.02	2,489.38	49.64	51.150	
8,372.42	8,290.00	7,844.46	7,290.00	24.48	45.57	-0.25	2,109.17	-784.26	2,539.02	2,489.16	49.86	50.923	

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design WELD_DRY CREEK 6-35 PAD - P_DRY CREEK 3-35 - P_DRY CREEK 3-35 - PLAN #1 10-28-09 RHS												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	
0.00	0.00	0.00	0.00	0.00	0.00	67.87	18.22	44.82	48.38				
100.00	100.00	100.00	100.00	0.10	1.70	67.87	18.22	44.82	48.38	46.59	1.80	26.946	
200.00	200.00	200.00	200.00	0.32	5.70	67.87	18.22	44.82	48.38	42.36	6.02	8.036 CC	
300.00	300.00	299.51	299.49	0.55	9.67	65.92	19.94	44.62	48.88	38.66	10.21	4.785	
400.00	400.00	398.78	398.62	0.77	13.65	60.34	25.07	44.03	50.69	36.29	14.39	3.522	
500.00	500.00	497.57	497.04	0.99	17.65	52.06	33.56	43.05	54.67	36.12	18.55	2.948 ES	
600.00	600.00	595.66	594.41	1.22	21.68	42.61	45.32	41.70	61.84	39.17	22.67	2.728	
700.00	700.00	692.83	690.40	1.44	25.76	33.57	60.23	39.98	72.92	46.14	26.79	2.723 SF	
800.00	800.00	788.86	784.72	1.67	29.90	25.89	78.13	37.91	88.18	57.27	30.91	2.852	
900.00	900.00	883.57	877.10	1.89	34.09	19.77	98.86	35.53	107.51	72.43	35.08	3.065	
1,000.00	1,000.00	976.78	967.30	2.12	38.35	15.04	122.20	32.84	130.69	91.41	39.28	3.327	
1,100.00	1,100.00	1,068.34	1,055.10	2.34	42.66	11.41	147.96	29.87	157.48	113.95	43.53	3.618	
1,200.00	1,200.00	1,158.10	1,140.34	2.57	47.04	8.61	175.90	26.65	187.65	139.83	47.82	3.924	
1,250.00	1,250.00	1,200.00	1,179.82	2.68	49.11	7.51	189.85	25.04	203.95	154.10	49.85	4.091	
1,300.00	1,300.00	1,245.89	1,222.81	2.78	51.47	125.29	205.79	23.20	221.25	171.73	49.52	4.468	
1,400.00	1,399.93	1,331.20	1,302.03	2.97	55.92	123.51	237.22	19.58	259.41	206.75	52.67	4.926	
1,500.00	1,499.68	1,413.71	1,377.73	3.17	60.35	122.37	269.84	15.82	302.02	246.38	55.64	5.428	
1,600.00	1,599.13	1,502.11	1,458.24	3.38	65.23	121.70	306.08	11.64	347.72	288.97	58.76	5.918	
1,700.00	1,698.15	1,590.10	1,538.39	3.62	70.14	121.43	342.16	7.49	395.08	333.27	61.81	6.392	
1,804.66	1,801.20	1,681.08	1,621.26	3.91	75.25	121.41	379.46	3.19	446.41	381.50	64.91	6.877	
1,900.00	1,894.76	1,763.40	1,696.24	4.20	79.90	122.33	413.22	-0.70	494.06	425.98	68.09	7.256	
2,000.00	1,992.89	1,849.74	1,774.88	4.53	84.80	123.12	448.62	-4.78	544.13	472.67	71.46	7.615	
2,100.00	2,091.02	1,936.09	1,853.53	4.88	89.73	123.77	484.03	-8.86	594.26	519.41	74.85	7.940	
2,200.00	2,189.15	2,022.43	1,932.18	5.23	94.67	124.33	519.43	-12.94	644.43	566.17	78.26	8.235	
2,300.00	2,287.29	2,108.77	2,010.82	5.60	99.62	124.80	554.84	-17.02	694.65	612.96	81.69	8.504	
2,400.00	2,385.42	2,195.12	2,089.47	5.98	104.59	125.21	590.24	-21.10	744.90	659.77	85.13	8.750	
2,500.00	2,483.55	2,281.46	2,168.11	6.37	109.57	125.57	625.65	-25.18	795.17	706.59	88.59	8.976	
2,600.00	2,581.68	2,367.80	2,246.76	6.76	114.56	125.89	661.05	-29.26	845.46	753.41	92.05	9.185	
2,700.00	2,679.81	2,454.15	2,325.40	7.16	119.55	126.17	696.45	-33.34	895.77	800.25	95.52	9.378	
2,800.00	2,777.94	2,540.49	2,404.05	7.56	124.56	126.42	731.86	-37.42	946.10	847.10	99.00	9.556	
2,900.00	2,876.08	2,626.83	2,482.69	7.97	129.56	126.65	767.26	-41.50	996.44	893.95	102.49	9.722	
3,000.00	2,974.21	2,713.18	2,561.34	8.38	134.58	126.85	802.67	-45.58	1,046.78	940.80	105.98	9.877	
3,100.00	3,072.34	2,799.52	2,639.98	8.79	139.60	127.04	838.07	-49.66	1,097.14	987.66	109.48	10.021	
3,200.00	3,170.47	2,885.87	2,718.63	9.20	144.62	127.21	873.48	-53.74	1,147.51	1,034.52	112.98	10.156	
3,300.00	3,268.60	2,972.21	2,797.28	9.62	149.65	127.36	908.88	-57.82	1,197.88	1,081.39	116.49	10.283	
3,400.00	3,366.73	3,058.55	2,875.92	10.03	154.69	127.50	944.28	-61.90	1,248.25	1,128.25	120.00	10.402	
3,500.00	3,464.86	3,144.90	2,954.57	10.45	159.72	127.64	979.69	-65.98	1,298.64	1,175.12	123.51	10.514	
3,600.00	3,563.00	3,231.24	3,033.21	10.87	164.76	127.76	1,015.09	-70.06	1,349.02	1,222.00	127.03	10.620	
3,700.00	3,661.13	3,317.58	3,111.86	11.30	169.80	127.87	1,050.50	-74.15	1,399.42	1,268.87	130.55	10.720	
3,800.00	3,759.26	3,403.93	3,190.50	11.72	174.85	127.98	1,085.90	-78.23	1,449.81	1,315.74	134.07	10.814	
3,900.00	3,857.39	3,490.27	3,269.15	12.14	179.89	128.07	1,121.31	-82.31	1,500.21	1,362.62	137.59	10.903	
4,000.00	3,955.52	3,576.61	3,347.79	12.57	184.94	128.17	1,156.71	-86.39	1,550.61	1,409.49	141.12	10.988	
4,100.00	4,053.65	3,662.96	3,426.44	12.99	189.99	128.25	1,192.11	-90.47	1,601.02	1,456.37	144.64	11.069	
4,200.00	4,151.79	3,749.30	3,505.08	13.42	195.04	128.33	1,227.52	-94.55	1,651.42	1,503.25	148.17	11.145	
4,300.00	4,249.92	3,835.46	3,584.65	13.85	200.91	128.47	1,262.11	-98.63	1,701.27	1,547.71	151.66	11.221	
4,400.00	4,348.05	3,921.61	3,664.36	14.27	206.76	128.59	1,297.04	-102.71	1,751.11	1,593.33	155.14	11.297	
4,500.00	4,446.18	4,007.76	3,744.07	14.70	212.59	128.71	1,342.91	-106.79	1,801.00	1,639.00	158.61	11.372	
4,600.00	4,544.31	4,093.91	3,821.78	15.13	218.42	128.83	1,388.78	-110.87	1,850.84	1,684.67	162.08	11.447	
4,700.00	4,642.44	4,180.06	3,900.49	15.56	224.25	128.95	1,434.65	-114.95	1,900.68	1,730.34	165.55	11.522	
4,800.00	4,740.57	4,266.21	3,979.20	15.99	230.08	129.07	1,480.52	-119.03	1,950.52	1,776.01	169.02	11.597	
4,900.00	4,838.71	4,352.36	4,057.91	16.42	235.91	129.19	1,526.39	-123.11	2,000.36	1,821.68	172.50	11.672	
5,000.00	4,936.84	4,438.51	4,136.62	16.85	241.74	129.31	1,572.26	-127.19	2,050.20	1,867.35	175.97	11.747	

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

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design WELD_DRY CREEK 6-35 PAD - P_DRY CREEK 3-35 - P_DRY CREEK 3-35 - PLAN #1 10-28-09 RHS												Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN												Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	5,034.97	5,319.89	5,034.97	17.28	262.07	133.04	1,500.82	-126.04	1,895.37	1,682.00	213.37	8.883	
5,200.00	5,133.10	5,418.02	5,133.10	17.71	265.22	133.46	1,500.82	-126.04	1,908.69	1,691.01	217.68	8.768	
5,300.00	5,231.23	5,516.15	5,231.23	18.14	268.38	133.87	1,500.82	-126.04	1,922.10	1,700.13	221.98	8.659	
5,400.00	5,329.36	5,614.28	5,329.36	18.57	271.57	134.28	1,500.82	-126.04	1,935.62	1,709.34	226.27	8.554	
5,500.00	5,427.50	5,712.41	5,427.50	19.00	274.77	134.68	1,500.82	-126.04	1,949.23	1,718.66	230.57	8.454	
5,600.00	5,525.63	5,810.54	5,525.63	19.43	277.99	135.08	1,500.82	-126.04	1,962.93	1,728.08	234.85	8.358	
5,700.00	5,623.76	5,908.67	5,623.76	19.87	281.23	135.47	1,500.82	-126.04	1,976.73	1,737.59	239.14	8.266	
5,800.00	5,721.89	6,006.81	5,721.89	20.30	284.49	135.85	1,500.82	-126.04	1,990.62	1,747.20	243.41	8.178	
5,845.76	5,766.80	6,051.72	5,766.80	20.50	285.99	136.03	1,500.82	-126.04	1,997.00	1,751.63	245.37	8.139	
5,900.00	5,820.12	6,105.03	5,820.12	20.69	287.77	136.32	1,500.82	-126.04	2,004.22	1,755.28	248.95	8.051	
6,000.00	5,918.88	6,203.80	5,918.88	20.97	291.08	136.79	1,500.82	-126.04	2,015.66	1,760.29	255.37	7.893	
6,100.00	6,018.13	6,303.04	6,018.13	21.21	294.42	137.14	1,500.82	-126.04	2,024.61	1,763.03	261.58	7.740	
6,200.00	6,117.74	6,402.66	6,117.74	21.42	297.80	137.40	1,500.82	-126.04	2,031.03	1,763.47	267.57	7.591	
6,300.00	6,217.60	6,502.51	6,217.60	21.59	301.19	137.55	1,500.82	-126.04	2,034.90	1,761.61	273.29	7.446	
6,400.42	6,318.00	6,602.92	6,318.00	21.73	304.62	18.53	1,500.82	-126.04	2,036.20	1,757.43	278.78	7.304	
6,500.00	6,417.58	6,702.49	6,417.58	21.85	308.03	18.53	1,500.82	-126.04	2,036.20	1,753.44	282.76	7.201	
6,600.00	6,517.58	6,802.49	6,517.58	21.98	311.48	18.53	1,500.82	-126.04	2,036.20	1,749.43	286.77	7.100	
6,700.00	6,617.58	6,902.49	6,617.58	22.11	314.93	18.53	1,500.82	-126.04	2,036.20	1,745.42	290.79	7.002	
6,800.00	6,717.58	7,002.49	6,717.58	22.24	318.40	18.53	1,500.82	-126.04	2,036.20	1,741.40	294.81	6.907	
6,900.00	6,817.58	7,102.49	6,817.58	22.37	321.88	18.53	1,500.82	-126.04	2,036.20	1,737.37	298.83	6.814	
7,000.00	6,917.58	7,202.49	6,917.58	22.51	325.37	18.53	1,500.82	-126.04	2,036.20	1,733.34	302.86	6.723	
7,100.00	7,017.58	7,302.49	7,017.58	22.64	328.88	18.53	1,500.82	-126.04	2,036.20	1,729.31	306.90	6.635	
7,200.00	7,117.58	7,402.49	7,117.58	22.78	332.39	18.53	1,500.82	-126.04	2,036.20	1,725.27	310.94	6.549	
7,300.00	7,217.58	7,502.49	7,217.58	22.92	335.92	18.53	1,500.82	-126.04	2,036.20	1,721.22	314.98	6.465	
7,400.00	7,317.58	7,602.49	7,317.58	23.06	339.45	18.53	1,500.82	-126.04	2,036.20	1,717.17	319.03	6.382	
7,500.00	7,417.58	7,702.49	7,417.58	23.20	343.00	18.53	1,500.82	-126.04	2,036.20	1,713.12	323.08	6.302	
7,600.00	7,517.58	7,802.49	7,517.58	23.34	346.56	18.53	1,500.82	-126.04	2,036.20	1,709.06	327.14	6.224	
7,700.00	7,617.58	7,902.49	7,617.58	23.48	350.12	18.53	1,500.82	-126.04	2,036.20	1,705.00	331.20	6.148	
7,800.00	7,717.58	8,002.49	7,717.58	23.63	353.70	18.53	1,500.82	-126.04	2,036.20	1,700.94	335.26	6.073	
7,900.00	7,817.58	8,102.49	7,817.58	23.78	357.28	18.53	1,500.82	-126.04	2,036.20	1,696.87	339.33	6.001	
7,939.86	7,857.43	8,142.35	7,857.43	23.83	358.71	18.53	1,500.82	-126.04	2,036.20	1,695.25	340.96	5.972	
8,000.00	7,917.58	8,157.92	7,873.00	23.92	359.27	18.53	1,500.82	-126.04	2,036.69	1,695.03	341.67	5.961	
8,100.00	8,017.58	8,157.92	7,873.00	24.07	359.27	18.53	1,500.82	-126.04	2,041.33	1,699.49	341.84	5.972	
8,200.00	8,117.58	8,157.92	7,873.00	24.22	359.27	18.53	1,500.82	-126.04	2,050.84	1,708.83	342.01	5.996	
8,300.00	8,217.58	8,157.92	7,873.00	24.37	359.27	18.53	1,500.82	-126.04	2,065.15	1,722.97	342.18	6.035	
8,372.42	8,290.00	8,157.92	7,873.00	24.48	359.27	18.53	1,500.82	-126.04	2,078.46	1,736.15	342.31	6.072	

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design WELD_DRY CREEK 6-35 PAD - P_DRY CREEK 4-35 - P_DRY CREEK 4-35 - PLAN #1 10-28-09 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
0.00	0.00	0.00	0.00	0.00	0.00	68.69	10.93	28.01	30.07				
100.00	100.00	100.00	100.00	0.10	0.10	68.69	10.93	28.01	30.07	29.88	0.19	157.382	
200.00	200.00	200.00	200.00	0.32	0.32	68.69	10.93	28.01	30.07	29.43	0.64	46.938	
300.00	300.00	300.38	300.36	0.55	0.54	65.54	12.18	26.78	29.42	28.33	1.09	27.021	
400.00	400.00	400.51	400.34	0.77	0.77	55.41	15.92	23.08	28.04	26.50	1.54	18.201	
461.13	461.13	461.49	461.13	0.91	0.93	45.32	19.41	19.63	27.60	25.78	1.82	15.171 CC, ES	
500.00	500.00	500.15	499.60	0.99	1.03	37.51	22.10	16.97	27.86	25.87	1.99	13.983	
600.00	600.00	599.07	597.78	1.22	1.31	15.49	30.66	8.50	31.89	29.45	2.44	13.065 SF	
700.00	700.00	697.04	694.55	1.44	1.63	-3.08	41.51	-2.23	41.93	39.01	2.92	14.354	
800.00	800.00	793.85	789.61	1.67	2.00	-15.49	54.54	-15.11	57.54	54.08	3.46	16.628	
900.00	900.00	889.31	882.68	1.89	2.41	-23.33	69.61	-30.02	77.76	73.70	4.06	19.161	
1,000.00	1,000.00	983.23	973.51	2.12	2.87	-28.39	86.59	-46.80	101.93	97.22	4.71	21.644	
1,100.00	1,100.00	1,075.45	1,061.89	2.34	3.37	-31.81	105.31	-65.31	129.64	124.23	5.41	23.968	
1,200.00	1,200.00	1,165.84	1,147.65	2.57	3.92	-34.21	125.61	-85.39	160.65	154.50	6.15	26.104	
1,250.00	1,250.00	1,210.31	1,189.50	2.68	4.21	-35.15	136.30	-95.96	177.33	170.79	6.54	27.120	
1,300.00	1,300.00	1,254.31	1,230.67	2.78	4.51	82.88	147.33	-106.87	194.71	188.95	5.77	33.769	
1,400.00	1,399.93	1,340.97	1,311.05	2.97	5.14	81.62	170.36	-129.65	231.32	225.11	6.21	37.257	
1,500.00	1,499.68	1,425.74	1,388.69	3.17	5.79	81.09	194.56	-153.57	270.21	263.54	6.67	40.512	
1,600.00	1,599.13	1,516.57	1,471.22	3.38	6.53	81.12	221.51	-180.22	310.21	303.03	7.19	43.173	
1,700.00	1,698.15	1,608.12	1,554.42	3.62	7.29	81.58	248.68	-207.09	349.84	342.10	7.74	45.193	
1,804.66	1,801.20	1,703.81	1,641.38	3.91	8.09	82.36	277.08	-235.17	391.02	382.64	8.37	46.689	
1,900.00	1,894.76	1,790.89	1,720.51	4.20	8.82	83.85	302.92	-260.73	428.57	419.55	9.01	47.548	
2,000.00	1,992.89	1,882.23	1,803.51	4.53	9.58	85.16	330.03	-287.53	468.17	458.46	9.71	48.191	
2,100.00	2,091.02	1,973.56	1,886.51	4.88	10.35	86.26	357.13	-314.34	507.96	497.51	10.44	48.643	
2,200.00	2,189.15	2,064.90	1,969.51	5.23	11.12	87.21	384.24	-341.14	547.88	536.69	11.19	48.957	
2,300.00	2,287.29	2,156.23	2,052.51	5.60	11.90	88.03	411.35	-367.94	587.91	575.95	11.96	49.172	
2,400.00	2,385.42	2,247.57	2,135.51	5.98	12.67	88.74	438.46	-394.75	628.02	615.29	12.74	49.315	
2,500.00	2,483.55	2,338.90	2,218.51	6.37	13.45	89.37	465.56	-421.55	668.21	654.69	13.52	49.406	
2,600.00	2,581.68	2,430.24	2,301.51	6.76	14.22	89.93	492.67	-448.36	708.46	694.14	14.32	49.459	
2,700.00	2,679.81	2,521.58	2,384.51	7.16	15.00	90.42	519.78	-475.16	748.76	733.63	15.13	49.486	
2,800.00	2,777.94	2,612.91	2,467.51	7.56	15.78	90.87	546.88	-501.97	789.10	773.16	15.94	49.492	
2,900.00	2,876.08	2,704.25	2,550.51	7.97	16.55	91.27	573.99	-528.77	829.48	812.72	16.76	49.483	
3,000.00	2,974.21	2,795.58	2,633.51	8.38	17.33	91.64	601.10	-555.58	869.89	852.31	17.59	49.464	
3,100.00	3,072.34	2,886.92	2,716.51	8.79	18.11	91.97	628.20	-582.38	910.33	891.92	18.41	49.438	
3,200.00	3,170.47	2,978.26	2,799.51	9.20	18.89	92.28	655.31	-609.19	950.79	931.55	19.24	49.406	
3,300.00	3,268.60	3,069.59	2,882.51	9.62	19.67	92.56	682.42	-635.99	991.28	971.20	20.08	49.370	
3,400.00	3,366.73	3,160.93	2,965.51	10.03	20.45	92.82	709.52	-662.80	1,031.78	1,010.86	20.91	49.332	
3,500.00	3,464.86	3,252.26	3,048.51	10.45	21.23	93.06	736.63	-689.60	1,072.29	1,050.54	21.75	49.293	
3,600.00	3,563.00	3,343.60	3,131.51	10.87	22.01	93.28	763.74	-716.41	1,112.82	1,090.23	22.59	49.252	
3,700.00	3,661.13	3,434.93	3,214.51	11.30	22.79	93.49	790.84	-743.21	1,153.37	1,129.93	23.44	49.212	
3,800.00	3,759.26	3,526.27	3,297.51	11.72	23.57	93.68	817.95	-770.01	1,193.93	1,169.64	24.28	49.171	
3,900.00	3,857.39	3,617.61	3,380.51	12.14	24.35	93.86	845.06	-796.82	1,234.49	1,209.37	25.13	49.130	
4,000.00	3,955.52	3,708.94	3,463.51	12.57	25.13	94.03	872.16	-823.62	1,275.07	1,249.09	25.97	49.091	
4,100.00	4,053.65	3,800.28	3,546.51	12.99	25.91	94.18	899.27	-850.43	1,315.65	1,288.83	26.82	49.052	
4,200.00	4,151.79	3,891.61	3,629.50	13.42	26.69	94.33	926.38	-877.23	1,356.25	1,328.57	27.67	49.013	
4,300.00	4,249.92	3,982.95	3,712.50	13.85	27.47	94.47	953.48	-904.04	1,396.84	1,368.32	28.52	48.976	
4,400.00	4,348.05	4,074.29	3,795.50	14.27	28.25	94.60	980.59	-930.84	1,437.45	1,408.08	29.37	48.939	
4,500.00	4,446.18	4,165.62	3,878.50	14.70	29.04	94.73	1,007.70	-957.65	1,478.06	1,447.84	30.22	48.904	
4,600.00	4,544.31	4,256.96	3,961.50	15.13	29.82	94.85	1,034.80	-984.45	1,518.68	1,487.60	31.08	48.869	
4,700.00	4,642.44	4,348.29	4,044.50	15.56	30.60	94.96	1,061.91	-1,011.26	1,559.30	1,527.37	31.93	48.836	
4,800.00	4,740.57	4,439.63	4,127.50	15.99	31.38	95.06	1,089.02	-1,038.06	1,599.93	1,567.15	32.78	48.803	
4,900.00	4,838.71	4,530.96	4,210.50	16.42	32.16	95.17	1,116.13	-1,064.87	1,640.56	1,606.93	33.64	48.772	

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

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
WELD_DRY CREEK 6-35 PAD - P_DRY CREEK 4-35 - P_DRY CREEK 4-35 - PLAN #1 10-28-09 RHS												Offset Well Error:	0.00 ft
Survey Program: 0-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,936.84	4,622.30	4,293.50	16.85	32.94	95.26	1,143.23	-1,091.67	1,681.20	1,646.71	34.49	48.741	
5,100.00	5,034.97	4,713.64	4,376.50	17.28	33.72	95.35	1,170.34	-1,118.47	1,721.84	1,686.49	35.35	48.711	
5,200.00	5,133.10	4,804.97	4,459.50	17.71	34.51	95.44	1,197.45	-1,145.28	1,762.48	1,726.28	36.20	48.683	
5,300.00	5,231.23	4,896.31	4,542.50	18.14	35.29	95.52	1,224.55	-1,172.08	1,803.13	1,766.07	37.06	48.655	
5,400.00	5,329.36	4,987.64	4,625.50	18.57	36.07	95.60	1,251.66	-1,198.89	1,843.78	1,805.86	37.92	48.628	
5,500.00	5,427.50	5,078.98	4,708.50	19.00	36.85	95.68	1,278.77	-1,225.69	1,884.43	1,845.66	38.77	48.601	
5,600.00	5,525.63	5,170.32	4,791.50	19.43	37.63	95.75	1,305.87	-1,252.50	1,925.09	1,885.46	39.63	48.576	
5,700.00	5,623.76	5,263.43	4,868.84	19.87	38.42	95.82	1,333.00	-1,279.63	1,965.71	1,926.30	40.49	48.551	
5,800.00	5,721.89	5,355.52	4,946.00	20.30	39.21	95.89	1,360.18	-1,306.76	1,996.25	1,957.39	41.35	48.526	
5,845.76	5,766.80	5,740.69	5,328.08	20.50	40.92	96.76	1,419.02	-1,364.38	1,996.25	1,953.99	42.26	47.238	
5,900.00	5,820.12	5,887.03	5,470.99	20.69	41.46	97.41	1,441.44	-1,386.55	2,008.31	1,965.42	42.89	46.826	
							1,463.80	-1,408.67	2,020.32	1,976.64	43.68	46.251	
6,000.00	5,918.88	6,163.02	5,744.07	20.97	42.17	98.48	1,491.73	-1,436.29	2,035.61	1,990.71	44.90	45.337	
6,100.00	6,018.13	6,437.49	6,018.13	21.21	42.51	99.39	1,500.87	-1,445.32	2,041.71	1,995.87	45.84	44.537	
6,200.00	6,117.74	6,537.10	6,117.74	21.42	42.58	99.66	1,500.87	-1,445.32	2,043.16	1,996.88	46.29	44.140	
6,300.00	6,217.60	6,636.96	6,217.60	21.59	42.64	99.82	1,500.87	-1,445.32	2,044.05	1,997.39	46.66	43.805	
6,400.42	6,318.00	6,737.36	6,318.00	21.73	42.71	-19.20	1,500.87	-1,445.32	2,044.35	1,997.39	46.97	43.529	
6,500.00	6,417.58	6,836.94	6,417.58	21.85	42.78	-19.20	1,500.87	-1,445.32	2,044.35	1,997.15	47.21	43.307	
6,600.00	6,517.58	6,936.94	6,517.58	21.98	42.85	-19.20	1,500.87	-1,445.32	2,044.35	1,996.90	47.45	43.083	
6,700.00	6,617.58	7,036.94	6,617.58	22.11	42.93	-19.20	1,500.87	-1,445.32	2,044.35	1,996.65	47.70	42.859	
6,800.00	6,717.58	7,136.94	6,717.58	22.24	43.00	-19.20	1,500.87	-1,445.32	2,044.35	1,996.40	47.95	42.634	
6,900.00	6,817.58	7,236.94	6,817.58	22.37	43.07	-19.20	1,500.87	-1,445.32	2,044.35	1,996.15	48.21	42.409	
7,000.00	6,917.58	7,336.94	6,917.58	22.51	43.15	-19.20	1,500.87	-1,445.32	2,044.35	1,995.89	48.46	42.184	
7,100.00	7,017.58	7,436.94	7,017.58	22.64	43.22	-19.20	1,500.87	-1,445.32	2,044.35	1,995.63	48.72	41.959	
7,200.00	7,117.58	7,536.94	7,117.58	22.78	43.30	-19.20	1,500.87	-1,445.32	2,044.35	1,995.37	48.98	41.734	
7,300.00	7,217.58	7,636.94	7,217.58	22.92	43.38	-19.20	1,500.87	-1,445.32	2,044.35	1,995.10	49.25	41.510	
7,400.00	7,317.58	7,736.94	7,317.58	23.06	43.46	-19.20	1,500.87	-1,445.32	2,044.35	1,994.84	49.52	41.285	
7,500.00	7,417.58	7,836.94	7,417.58	23.20	43.54	-19.20	1,500.87	-1,445.32	2,044.35	1,994.57	49.79	41.061	
7,600.00	7,517.58	7,936.94	7,517.58	23.34	43.62	-19.20	1,500.87	-1,445.32	2,044.35	1,994.29	50.06	40.837	
7,700.00	7,617.58	8,036.94	7,617.58	23.48	43.70	-19.20	1,500.87	-1,445.32	2,044.35	1,994.02	50.34	40.613	
7,800.00	7,717.58	8,136.94	7,717.58	23.63	43.79	-19.20	1,500.87	-1,445.32	2,044.35	1,993.74	50.62	40.390	
7,900.00	7,817.58	8,236.94	7,817.58	23.78	43.87	-19.20	1,500.87	-1,445.32	2,044.35	1,993.46	50.90	40.167	
7,956.07	7,873.65	8,293.01	7,873.65	23.86	43.92	-19.20	1,500.87	-1,445.32	2,044.35	1,993.30	51.05	40.043	
8,000.00	7,917.58	8,312.82	7,893.46	23.92	43.94	-19.20	1,500.87	-1,445.32	2,044.50	1,993.35	51.15	39.973	
8,100.00	8,017.58	8,312.82	7,893.46	24.07	43.94	-19.20	1,500.87	-1,445.32	2,048.12	1,996.82	51.30	39.927	
8,200.00	8,117.58	8,312.82	7,893.46	24.22	43.94	-19.20	1,500.87	-1,445.32	2,056.60	2,005.15	51.45	39.974	
8,300.00	8,217.58	8,312.82	7,893.46	24.37	43.94	-19.20	1,500.87	-1,445.32	2,069.89	2,018.29	51.60	40.113	
8,372.42	8,290.00	8,312.82	7,893.46	24.48	43.94	-19.20	1,500.87	-1,445.32	2,082.46	2,030.75	51.71	40.270	

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design WELD_DRY CREEK 6-35 PAD - P_DRY CREEK 5-35 - P_DRY CREEK 5-35 - PLAN #1 10-28-09 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	
0.00	0.00	0.00	0.00	0.00	0.00	62.52	7.29	14.01	15.79				
100.00	100.00	100.00	100.00	0.10	0.10	62.52	7.29	14.01	15.79	15.60	0.19	82.634	
200.00	200.00	200.00	200.00	0.32	0.32	62.52	7.29	14.01	15.79	15.15	0.64	24.645	
300.00	300.00	300.42	300.40	0.55	0.54	58.57	7.49	12.26	14.37	13.29	1.08	13.276	
400.00	400.00	400.59	400.42	0.77	0.76	40.94	8.11	7.03	10.74	9.21	1.53	7.017	
473.18	473.18	473.60	473.18	0.93	0.95	6.73	8.82	1.04	8.88	7.02	1.86	4.780 CC, ES	
500.00	500.00	500.27	499.72	0.99	1.02	-9.99	9.13	-1.61	9.27	7.30	1.97	4.709 SF	
600.00	600.00	599.23	597.94	1.22	1.30	-52.17	10.54	-13.58	17.31	14.86	2.45	7.072	
700.00	700.00	697.23	694.74	1.44	1.63	-66.78	12.33	-28.74	31.71	28.73	2.99	10.614	
800.00	800.00	794.08	789.83	1.67	2.00	-72.86	14.48	-46.95	50.17	46.60	3.57	14.050	
900.00	900.00	889.57	882.93	1.89	2.42	-75.99	16.97	-68.02	72.15	67.95	4.20	17.180	
1,000.00	1,000.00	983.52	973.79	2.12	2.89	-77.84	19.77	-91.74	97.44	92.56	4.88	19.981	
1,100.00	1,100.00	1,075.78	1,062.20	2.34	3.41	-79.03	22.85	-117.90	125.91	120.31	5.60	22.478	
1,200.00	1,200.00	1,166.20	1,147.98	2.57	3.98	-79.84	26.20	-146.28	157.45	151.07	6.37	24.705	
1,250.00	1,250.00	1,210.68	1,189.84	2.68	4.27	-80.16	27.97	-161.22	174.33	167.56	6.77	25.748	
1,300.00	1,300.00	1,254.77	1,231.10	2.78	4.58	38.50	29.79	-176.66	191.63	185.93	5.70	33.635	
1,400.00	1,399.93	1,342.15	1,312.13	2.97	5.23	38.13	33.62	-209.12	226.45	220.30	6.15	36.794	
1,500.00	1,499.68	1,432.61	1,395.11	3.17	5.95	38.21	37.84	-244.90	261.15	254.51	6.64	39.327	
1,600.00	1,599.13	1,527.10	1,481.67	3.38	6.72	38.66	42.29	-282.55	293.61	286.45	7.16	41.009	
1,700.00	1,698.15	1,622.34	1,568.90	3.62	7.51	39.37	46.77	-320.48	323.56	315.85	7.71	41.986	
1,804.66	1,801.20	1,722.67	1,660.81	3.91	8.34	40.35	51.48	-360.45	352.28	343.97	8.32	42.357	
1,900.00	1,894.76	1,814.34	1,744.78	4.20	9.10	41.60	55.79	-396.97	377.34	368.43	8.91	42.347	
2,000.00	1,992.89	1,910.49	1,832.86	4.53	9.90	42.74	60.31	-435.28	403.77	394.21	9.56	42.235	
2,100.00	2,091.02	2,006.64	1,920.93	4.88	10.71	43.74	64.83	-473.58	430.34	420.10	10.23	42.053	
2,200.00	2,189.15	2,102.79	2,009.01	5.23	11.52	44.62	69.36	-511.88	457.01	446.08	10.93	41.825	
2,300.00	2,287.29	2,198.94	2,097.08	5.60	12.32	45.41	73.88	-550.18	483.77	472.14	11.64	41.569	
2,400.00	2,385.42	2,295.09	2,185.16	5.98	13.13	46.11	78.40	-588.49	510.61	498.25	12.36	41.298	
2,500.00	2,483.55	2,391.24	2,273.23	6.37	13.94	46.75	82.92	-626.79	537.52	524.41	13.10	41.021	
2,600.00	2,581.68	2,487.39	2,361.31	6.76	14.75	47.32	87.44	-665.09	564.48	550.62	13.85	40.744	
2,700.00	2,679.81	2,583.54	2,449.38	7.16	15.57	47.84	91.96	-703.40	591.49	576.87	14.61	40.472	
2,800.00	2,777.94	2,679.69	2,537.46	7.56	16.38	48.32	96.48	-741.70	618.54	603.15	15.38	40.208	
2,900.00	2,876.08	2,775.84	2,625.53	7.97	17.19	48.76	101.00	-780.00	645.62	629.46	16.16	39.953	
3,000.00	2,974.21	2,871.99	2,713.61	8.38	18.00	49.16	105.52	-818.31	672.74	655.80	16.94	39.707	
3,100.00	3,072.34	2,968.14	2,801.69	8.79	18.82	49.53	110.04	-856.61	699.89	682.16	17.73	39.473	
3,200.00	3,170.47	3,064.29	2,889.76	9.20	19.63	49.87	114.56	-894.91	727.06	708.53	18.52	39.249	
3,300.00	3,268.60	3,160.44	2,977.84	9.62	20.45	50.19	119.09	-933.22	754.25	734.93	19.32	39.035	
3,400.00	3,366.73	3,256.59	3,065.91	10.03	21.26	50.49	123.61	-971.52	781.47	761.34	20.12	38.832	
3,500.00	3,464.86	3,352.74	3,153.99	10.45	22.07	50.76	128.13	-1,009.82	808.70	787.77	20.93	38.638	
3,600.00	3,563.00	3,448.89	3,242.06	10.87	22.89	51.02	132.65	-1,048.13	835.95	814.21	21.74	38.454	
3,700.00	3,661.13	3,545.04	3,330.14	11.30	23.70	51.26	137.17	-1,086.43	863.21	840.66	22.55	38.279	
3,800.00	3,759.26	3,641.19	3,418.21	11.72	24.52	51.49	141.69	-1,124.73	890.48	867.12	23.36	38.112	
3,900.00	3,857.39	3,737.34	3,506.29	12.14	25.33	51.70	146.21	-1,163.03	917.77	893.59	24.18	37.954	
4,000.00	3,955.52	3,837.26	3,597.82	12.57	26.17	51.91	150.91	-1,202.81	945.06	920.04	25.01	37.783	
4,100.00	4,053.65	3,979.29	3,729.51	12.99	27.11	52.26	157.14	-1,255.63	969.71	943.74	25.97	37.337	
4,200.00	4,151.79	4,124.26	3,866.47	13.42	27.92	52.73	162.70	-1,302.77	989.75	962.83	26.92	36.765	
4,300.00	4,249.92	4,271.49	4,007.84	13.85	28.62	53.32	167.52	-1,343.55	1,005.07	977.19	27.88	36.054	
4,400.00	4,348.05	4,420.24	4,152.62	14.27	29.21	54.03	171.51	-1,377.38	1,015.60	986.76	28.83	35.221	
4,500.00	4,446.18	4,569.72	4,299.70	14.70	29.68	54.86	174.63	-1,403.80	1,021.33	991.53	29.79	34.281	
4,600.00	4,544.31	4,719.13	4,447.89	15.13	30.04	55.84	176.84	-1,422.57	1,022.29	991.53	30.76	33.232	
4,700.00	4,642.44	4,867.66	4,595.99	15.56	30.28	56.96	178.14	-1,433.59	1,018.57	986.80	31.77	32.065	
4,800.00	4,740.57	5,012.30	4,740.57	15.99	30.42	58.22	178.55	-1,436.99	1,010.30	977.52	32.79	30.816	
4,900.00	4,838.71	5,110.44	4,838.71	16.42	30.49	59.14	178.55	-1,436.99	1,000.16	966.54	33.62	29.748	

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

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
WELD_DRY CREEK 6-35 PAD - P_DRY CREEK 5-35 - P_DRY CREEK 5-35 - PLAN #1 10-28-09 RHS												Offset Well Error:	0.00 ft
Survey Program: 0-MWD													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,936.84	5,208.57	4,936.84	16.85	30.56	60.09	178.55	-1,436.99	990.29	955.82	34.47	28.728	
5,100.00	5,034.97	5,306.70	5,034.97	17.28	30.64	61.05	178.55	-1,436.99	980.70	945.37	35.33	27.756	
5,200.00	5,133.10	5,404.83	5,133.10	17.71	30.71	62.03	178.55	-1,436.99	971.40	935.19	36.21	26.830	
5,300.00	5,231.23	5,502.96	5,231.23	18.14	30.79	63.02	178.55	-1,436.99	962.39	925.30	37.09	25.948	
5,400.00	5,329.36	5,601.09	5,329.36	18.57	30.87	64.04	178.55	-1,436.99	953.68	915.70	37.98	25.109	
5,500.00	5,427.50	5,699.22	5,427.50	19.00	30.95	65.07	178.55	-1,436.99	945.29	906.40	38.88	24.311	
5,600.00	5,525.63	5,797.36	5,525.63	19.43	31.03	66.12	178.55	-1,436.99	937.21	897.42	39.79	23.553	
5,700.00	5,623.76	5,895.49	5,623.76	19.87	31.12	67.19	178.55	-1,436.99	929.46	888.76	40.71	22.833	
5,800.00	5,721.89	5,993.62	5,721.89	20.30	31.20	68.27	178.55	-1,436.99	922.05	880.42	41.63	22.149	
5,845.76	5,766.80	6,038.53	5,766.80	20.50	31.24	68.77	178.55	-1,436.99	918.78	876.72	42.05	21.848	
5,900.00	5,820.12	6,091.85	5,820.12	20.69	31.29	69.28	178.55	-1,436.99	915.17	872.71	42.46	21.555	
6,000.00	5,918.88	6,190.61	5,918.88	20.97	31.37	70.09	178.55	-1,436.99	909.67	866.59	43.08	21.115	
6,100.00	6,018.13	6,289.86	6,018.13	21.21	31.46	70.73	178.55	-1,436.99	905.55	861.93	43.62	20.759	
6,200.00	6,117.74	6,389.47	6,117.74	21.42	31.56	71.20	178.55	-1,436.99	902.69	858.62	44.07	20.483	
6,300.00	6,217.60	6,489.33	6,217.60	21.59	31.65	71.48	178.55	-1,436.99	901.01	856.59	44.42	20.284	
6,400.42	6,318.00	6,589.73	6,318.00	21.73	31.74	-47.50	178.55	-1,436.99	900.45	855.77	44.68	20.152	
6,500.00	6,417.58	6,689.31	6,417.58	21.85	31.84	-47.50	178.55	-1,436.99	900.45	855.52	44.94	20.038	
6,600.00	6,517.58	6,789.31	6,517.58	21.98	31.94	-47.50	178.55	-1,436.99	900.45	855.26	45.19	19.925	
6,700.00	6,617.58	6,889.31	6,617.58	22.11	32.03	-47.50	178.55	-1,436.99	900.45	855.00	45.45	19.812	
6,800.00	6,717.58	6,989.31	6,717.58	22.24	32.13	-47.50	178.55	-1,436.99	900.45	854.74	45.71	19.698	
6,900.00	6,817.58	7,089.31	6,817.58	22.37	32.23	-47.50	178.55	-1,436.99	900.45	854.48	45.98	19.585	
7,000.00	6,917.58	7,189.31	6,917.58	22.51	32.34	-47.50	178.55	-1,436.99	900.45	854.21	46.25	19.471	
7,100.00	7,017.58	7,289.31	7,017.58	22.64	32.44	-47.50	178.55	-1,436.99	900.45	853.94	46.52	19.358	
7,200.00	7,117.58	7,389.31	7,117.58	22.78	32.54	-47.50	178.55	-1,436.99	900.45	853.66	46.79	19.245	
7,300.00	7,217.58	7,489.31	7,217.58	22.92	32.65	-47.50	178.55	-1,436.99	900.45	853.39	47.06	19.132	
7,400.00	7,317.58	7,589.31	7,317.58	23.06	32.76	-47.50	178.55	-1,436.99	900.45	853.11	47.34	19.020	
7,500.00	7,417.58	7,689.31	7,417.58	23.20	32.86	-47.50	178.55	-1,436.99	900.45	852.83	47.62	18.907	
7,600.00	7,517.58	7,789.31	7,517.58	23.34	32.97	-47.50	178.55	-1,436.99	900.45	852.54	47.91	18.795	
7,700.00	7,617.58	7,889.31	7,617.58	23.48	33.08	-47.50	178.55	-1,436.99	900.45	852.26	48.20	18.684	
7,800.00	7,717.58	7,989.31	7,717.58	23.63	33.20	-47.50	178.55	-1,436.99	900.45	851.97	48.48	18.572	
7,900.00	7,817.58	8,089.31	7,817.58	23.78	33.31	-47.50	178.55	-1,436.99	900.45	851.68	48.78	18.461	
8,000.00	7,917.58	8,189.31	7,917.58	23.92	33.42	-47.50	178.55	-1,436.99	900.45	851.38	49.07	18.351	
8,100.00	8,017.58	8,289.31	8,017.58	24.07	33.54	-47.50	178.55	-1,436.99	900.45	851.09	49.37	18.241	
8,200.00	8,117.58	8,389.31	8,117.58	24.22	33.65	-47.50	178.55	-1,436.99	900.45	850.79	49.66	18.131	
8,300.00	8,217.58	8,489.31	8,217.58	24.37	33.77	-47.50	178.55	-1,436.99	900.45	850.49	49.96	18.022	
8,372.42	8,290.00	8,561.73	8,290.00	24.48	33.86	-47.50	178.55	-1,436.99	900.45	850.27	50.18	17.943	

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	134.14	-51.37	52.94	74.58				
100.00	100.00	89.00	89.00	0.10	1.78	134.14	-51.37	52.94	73.77	71.89	1.88	39.332	
200.00	200.00	189.00	189.00	0.32	5.56	134.14	-51.37	52.94	73.77	67.89	5.88	12.545	
300.00	300.00	289.00	289.00	0.55	9.56	134.14	-51.37	52.94	73.77	63.66	10.11	7.300	
400.00	400.00	389.00	389.00	0.77	13.56	134.14	-51.37	52.94	73.77	59.44	14.33	5.148	
500.00	500.00	489.00	489.00	0.99	17.56	134.14	-51.37	52.94	73.77	55.21	18.55	3.976	
600.00	600.00	589.00	589.00	1.22	21.56	134.14	-51.37	52.94	73.77	50.99	22.78	3.238	
700.00	700.00	689.00	689.00	1.44	25.56	134.14	-51.37	52.94	73.77	46.76	27.00	2.732	
800.00	800.00	789.00	789.00	1.67	29.56	134.14	-51.37	52.94	73.77	42.54	31.23	2.362	
900.00	900.00	889.00	889.00	1.89	33.56	134.14	-51.37	52.94	73.77	38.32	35.45	2.081	
1,000.00	1,000.00	989.00	989.00	2.12	37.56	134.14	-51.37	52.94	73.77	34.09	39.68	1.859	
1,100.00	1,100.00	1,089.00	1,089.00	2.34	41.56	134.14	-51.37	52.94	73.77	29.87	43.90	1.680	
1,200.00	1,200.00	1,189.00	1,189.00	2.57	45.56	134.14	-51.37	52.94	73.77	25.64	48.13	1.533	
1,250.00	1,250.00	1,239.00	1,239.00	2.68	47.56	134.14	-51.37	52.94	73.77	23.53	50.24	1.468	Level 3, CC
1,300.00	1,300.00	1,289.00	1,289.00	2.78	49.56	-107.11	-51.37	52.94	73.90	21.55	52.34	1.412	Level 3
1,400.00	1,399.93	1,388.93	1,388.93	2.97	53.56	-109.64	-51.37	52.94	75.00	18.48	56.52	1.327	Level 3
1,500.00	1,499.68	1,488.68	1,488.68	3.17	57.55	-114.44	-51.37	52.94	77.62	16.94	60.68	1.279	Level 3, ES
1,600.00	1,599.13	1,588.13	1,588.13	3.38	61.53	-120.95	-51.37	52.94	82.51	17.72	64.79	1.273	Level 3, SF
1,700.00	1,698.15	1,687.15	1,687.15	3.62	65.49	-128.35	-51.37	52.94	90.49	21.70	68.80	1.315	Level 3
1,804.66	1,801.20	1,790.20	1,790.20	3.91	69.61	-136.12	-51.37	52.94	102.90	30.09	72.81	1.413	Level 3
1,900.00	1,894.76	1,883.76	1,883.76	4.20	73.35	-142.32	-51.37	52.94	116.92	40.32	76.60	1.526	
2,000.00	1,992.89	1,981.89	1,981.89	4.53	77.28	-147.37	-51.37	52.94	132.76	52.17	80.60	1.647	
2,100.00	2,091.02	2,080.02	2,080.02	4.88	81.20	-151.34	-51.37	52.94	149.41	64.79	84.62	1.766	
2,200.00	2,189.15	2,178.15	2,178.15	5.23	85.13	-154.50	-51.37	52.94	166.61	77.96	88.65	1.879	
2,300.00	2,287.29	2,276.29	2,276.29	5.60	89.05	-157.07	-51.37	52.94	184.22	91.52	92.70	1.987	
2,400.00	2,385.42	2,374.42	2,374.42	5.98	92.98	-159.19	-51.37	52.94	202.12	105.36	96.76	2.089	
2,500.00	2,483.55	2,472.55	2,472.55	6.37	96.90	-160.97	-51.37	52.94	220.25	119.43	100.83	2.184	
2,600.00	2,581.68	2,570.68	2,570.68	6.76	100.83	-162.47	-51.37	52.94	238.56	133.66	104.90	2.274	
2,700.00	2,679.81	2,668.81	2,668.81	7.16	104.75	-163.76	-51.37	52.94	257.00	148.02	108.98	2.358	
2,800.00	2,777.94	2,766.94	2,766.94	7.56	108.68	-164.88	-51.37	52.94	275.55	162.49	113.06	2.437	
2,900.00	2,876.08	2,865.08	2,865.08	7.97	112.60	-165.86	-51.37	52.94	294.19	177.05	117.14	2.511	
3,000.00	2,974.21	2,963.21	2,963.21	8.38	116.53	-166.72	-51.37	52.94	312.90	191.67	121.23	2.581	
3,100.00	3,072.34	3,061.34	3,061.34	8.79	120.45	-167.48	-51.37	52.94	331.67	206.35	125.32	2.647	
3,200.00	3,170.47	3,159.47	3,159.47	9.20	124.38	-168.16	-51.37	52.94	350.50	221.08	129.41	2.708	
3,300.00	3,268.60	3,257.60	3,257.60	9.62	128.30	-168.77	-51.37	52.94	369.36	235.86	133.51	2.767	
3,400.00	3,366.73	3,355.73	3,355.73	10.03	132.23	-169.32	-51.37	52.94	388.27	250.66	137.60	2.822	
3,500.00	3,464.86	3,453.86	3,453.86	10.45	136.15	-169.83	-51.37	52.94	407.20	265.50	141.70	2.874	
3,600.00	3,563.00	3,552.00	3,552.00	10.87	140.08	-170.28	-51.37	52.94	426.16	280.36	145.80	2.923	
3,700.00	3,661.13	3,650.13	3,650.13	11.30	144.01	-170.70	-51.37	52.94	445.15	295.25	149.90	2.970	
3,800.00	3,759.26	3,748.26	3,748.26	11.72	147.93	-171.08	-51.37	52.94	464.16	310.15	154.00	3.014	
3,900.00	3,857.39	3,846.39	3,846.39	12.14	151.86	-171.44	-51.37	52.94	483.18	325.08	158.10	3.056	
4,000.00	3,955.52	3,944.52	3,944.52	12.57	155.78	-171.76	-51.37	52.94	502.22	340.02	162.21	3.096	
4,100.00	4,053.65	4,042.65	4,042.65	12.99	159.71	-172.07	-51.37	52.94	521.28	354.97	166.31	3.134	
4,200.00	4,151.79	4,140.79	4,140.79	13.42	163.63	-172.35	-51.37	52.94	540.35	369.94	170.41	3.171	
4,300.00	4,249.92	4,238.92	4,238.92	13.85	167.56	-172.61	-51.37	52.94	559.43	384.91	174.52	3.206	
4,400.00	4,348.05	4,337.05	4,337.05	14.27	171.48	-172.86	-51.37	52.94	578.52	399.90	178.62	3.239	
4,500.00	4,446.18	4,435.18	4,435.18	14.70	175.41	-173.09	-51.37	52.94	597.62	414.89	182.73	3.271	
4,600.00	4,544.31	4,533.31	4,533.31	15.13	179.33	-173.30	-51.37	52.94	616.73	429.90	186.84	3.301	
4,700.00	4,642.44	4,631.44	4,631.44	15.56	183.26	-173.50	-51.37	52.94	635.85	444.91	190.94	3.330	
4,800.00	4,740.57	4,729.57	4,729.57	15.99	187.18	-173.69	-51.37	52.94	654.98	459.93	195.05	3.358	
4,900.00	4,838.71	4,827.71	4,827.71	16.42	191.11	-173.87	-51.37	52.94	674.11	474.95	199.16	3.385	
5,000.00	4,936.84	4,925.84	4,925.84	16.85	195.03	-174.04	-51.37	52.94	693.25	489.98	203.27	3.411	

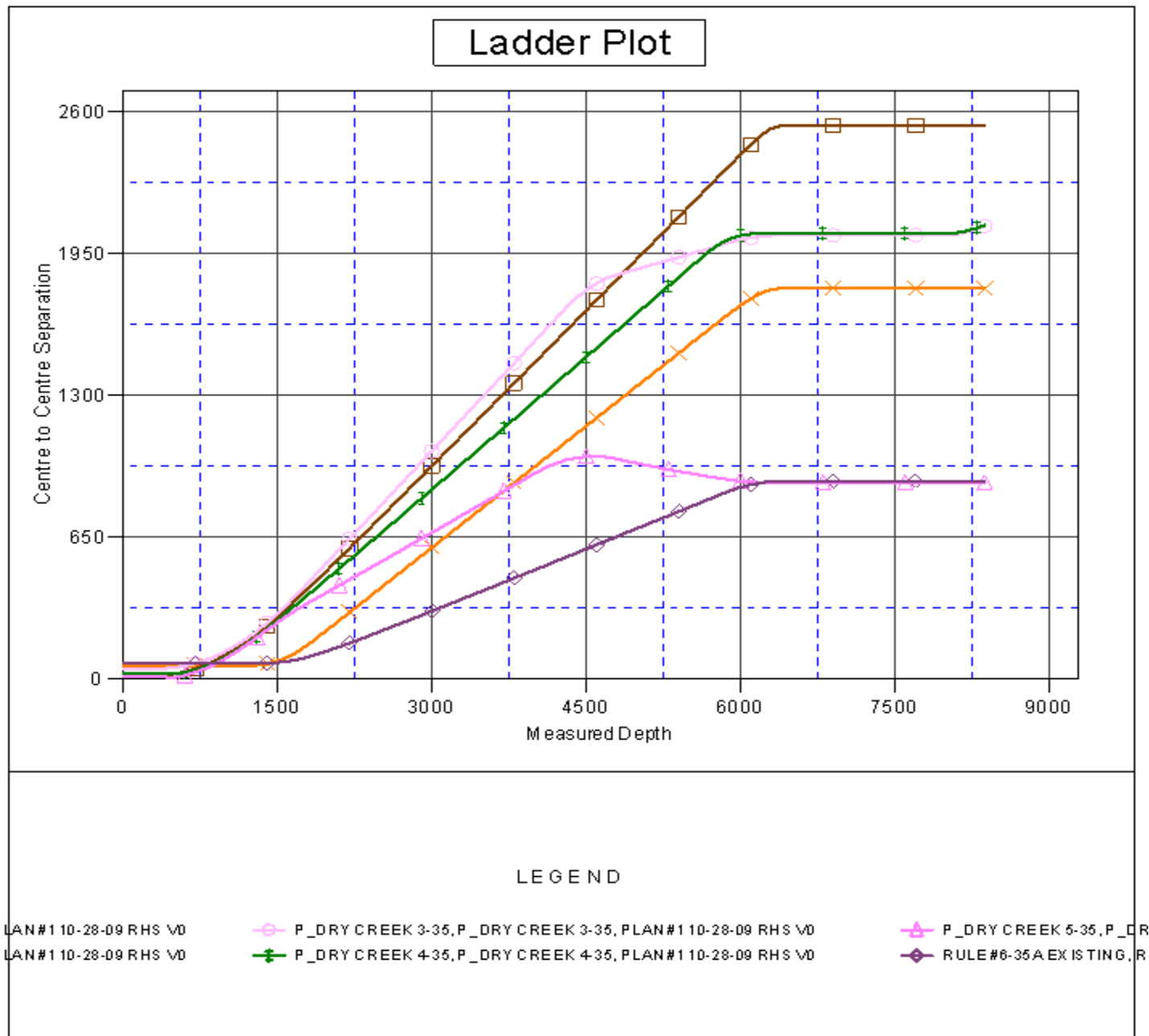
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN												Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	5,034.97	5,023.97	5,023.97	17.28	198.96	-174.20	-51.37	52.94	712.39	505.01	207.38	3.435	
5,200.00	5,133.10	5,122.10	5,122.10	17.71	202.88	-174.36	-51.37	52.94	731.54	520.05	211.48	3.459	
5,300.00	5,231.23	5,220.23	5,220.23	18.14	206.81	-174.50	-51.37	52.94	750.69	535.10	215.59	3.482	
5,400.00	5,329.36	5,318.36	5,318.36	18.57	210.73	-174.64	-51.37	52.94	769.85	550.15	219.70	3.504	
5,500.00	5,427.50	5,416.50	5,416.50	19.00	214.66	-174.77	-51.37	52.94	789.01	565.20	223.81	3.525	
5,600.00	5,525.63	5,514.63	5,514.63	19.43	218.59	-174.89	-51.37	52.94	808.17	580.25	227.92	3.546	
5,700.00	5,623.76	5,612.76	5,612.76	19.87	222.51	-175.01	-51.37	52.94	827.34	595.31	232.03	3.566	
5,800.00	5,721.89	5,710.89	5,710.89	20.30	226.44	-175.12	-51.37	52.94	846.51	610.37	236.14	3.585	
5,845.76	5,766.80	5,755.80	5,755.80	20.50	228.23	-175.17	-51.37	52.94	855.29	617.27	238.02	3.593	
5,900.00	5,820.12	5,809.12	5,809.12	20.69	230.36	-175.25	-51.37	52.94	865.19	624.23	240.96	3.591	
6,000.00	5,918.88	5,907.88	5,907.88	20.97	234.32	-175.36	-51.37	52.94	880.79	634.50	246.29	3.576	
6,100.00	6,018.13	6,007.13	6,007.13	21.21	238.29	-175.44	-51.37	52.94	892.95	641.54	251.42	3.552	
6,200.00	6,117.74	6,106.74	6,106.74	21.42	242.27	-175.50	-51.37	52.94	901.66	645.39	256.27	3.518	
6,300.00	6,217.60	6,206.60	6,206.60	21.59	246.26	-175.53	-51.37	52.94	906.89	646.05	260.84	3.477	
6,400.42	6,318.00	6,307.00	6,307.00	21.73	250.28	65.39	-51.37	52.94	908.64	643.53	265.12	3.427	
6,500.00	6,417.58	6,406.58	6,406.58	21.85	254.26	65.39	-51.37	52.94	908.64	639.36	269.28	3.374	
6,600.00	6,517.58	6,506.58	6,506.58	21.98	258.26	65.39	-51.37	52.94	908.64	635.18	273.46	3.323	
6,700.00	6,617.58	6,606.58	6,606.58	22.11	262.26	65.39	-51.37	52.94	908.64	631.00	277.64	3.273	
6,800.00	6,717.58	6,706.58	6,706.58	22.24	266.26	65.39	-51.37	52.94	908.64	626.82	281.83	3.224	
6,900.00	6,817.58	6,806.58	6,806.58	22.37	270.26	65.39	-51.37	52.94	908.64	622.63	286.01	3.177	
7,000.00	6,917.58	6,906.58	6,906.58	22.51	274.26	65.39	-51.37	52.94	908.64	618.45	290.19	3.131	
7,100.00	7,017.58	7,006.58	7,006.58	22.64	278.26	65.39	-51.37	52.94	908.64	614.26	294.38	3.087	
7,200.00	7,117.58	7,106.58	7,106.58	22.78	282.26	65.39	-51.37	52.94	908.64	610.08	298.57	3.043	
7,300.00	7,217.58	7,206.58	7,206.58	22.92	286.26	65.39	-51.37	52.94	908.64	605.89	302.75	3.001	
7,400.00	7,317.58	7,306.58	7,306.58	23.06	290.26	65.39	-51.37	52.94	908.64	601.70	306.94	2.960	
7,500.00	7,417.58	7,406.58	7,406.58	23.20	294.26	65.39	-51.37	52.94	908.64	597.51	311.13	2.920	
7,600.00	7,517.58	7,506.58	7,506.58	23.34	298.26	65.39	-51.37	52.94	908.64	593.32	315.32	2.882	
7,700.00	7,617.58	7,606.58	7,606.58	23.48	302.26	65.39	-51.37	52.94	908.64	589.13	319.51	2.844	
7,800.00	7,717.58	7,706.58	7,706.58	23.63	306.26	65.39	-51.37	52.94	908.64	584.94	323.70	2.807	
7,900.00	7,817.58	7,806.58	7,806.58	23.78	310.26	65.39	-51.37	52.94	908.64	580.75	327.90	2.771	
8,000.00	7,917.58	7,906.58	7,906.58	23.92	314.26	65.39	-51.37	52.94	908.64	576.55	332.09	2.736	
8,100.00	8,017.58	8,006.58	8,006.58	24.07	318.26	65.39	-51.37	52.94	908.64	572.36	336.28	2.702	
8,200.00	8,117.58	8,106.58	8,106.58	24.22	322.26	65.39	-51.37	52.94	908.64	568.16	340.48	2.669	
8,300.00	8,217.58	8,206.58	8,206.58	24.37	326.26	65.39	-51.37	52.94	908.64	563.97	344.67	2.636	
8,372.42	8,290.00	8,279.00	8,279.00	24.48	329.16	65.39	-51.37	52.94	908.64	560.93	347.71	2.613	

<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 5021.00ft (Original Well Elev) Coordinates are relative to: P\_DRY CREEK 22-35  
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: 0.41°



<b>Company:</b>	US ROCKIES REGION PLANNING	<b>Local Co-ordinate Reference:</b>	Well P_DRY CREEK 22-35
<b>Project:</b>	COLORADO NOTHERN ZONE - 83	<b>TVD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Reference Site:</b>	WELD_DRY CREEK 6-35 PAD	<b>MD Reference:</b>	WELL @ 5021.00ft (Original Well Elev)
<b>Site Error:</b>	0.00ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	P_DRY CREEK 22-35	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	P_DRY CREEK 22-35	<b>Database:</b>	EDM 2003.21 Single User Db
<b>Reference Design:</b>	PLAN #1 10-28-09 RHS	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 5021.00ft (Original Well Elev) Coordinates are relative to: P\_DRY CREEK 22-35  
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