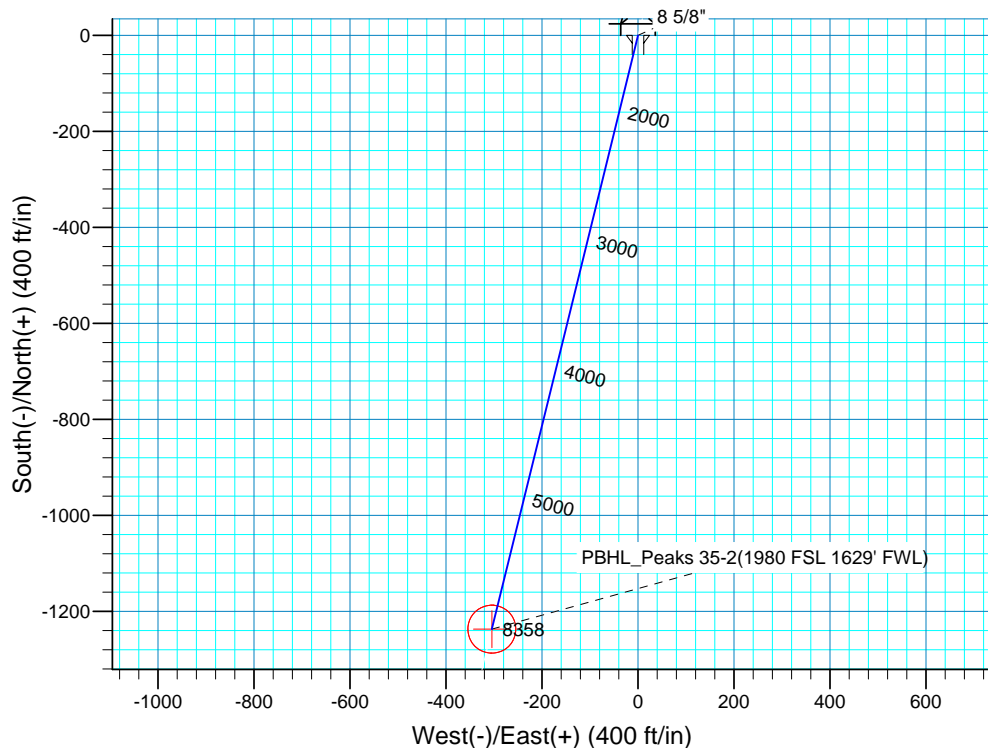
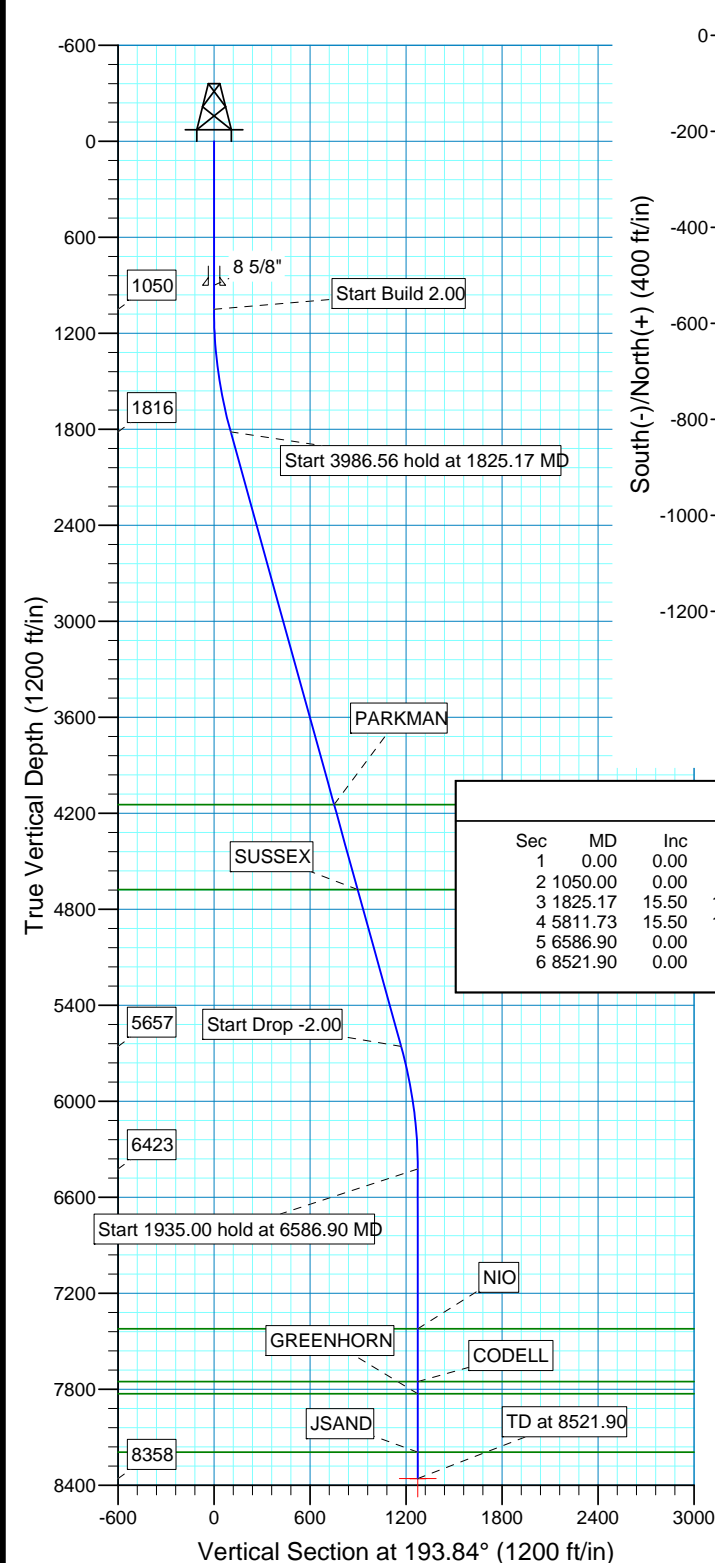
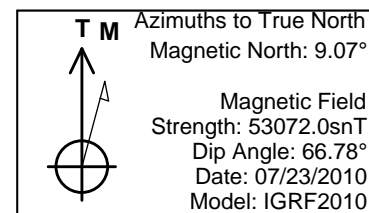


WELL DETAILS: P_PEAKS 35-2								
WELL @ 5046.00ft (Original Well Elev) 5031.00								
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude			
0.00	0.00	1271184.04	3147145.17	40° 4' 35.735 N	104° 58' 27.034 W			
WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8358.00	-1237.08	-304.76	1269945.18	3146847.7540° 4'	23.509 N	104° 58' 30.954 W	Circle (Radius: 50.00)



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1050.00	0.00	0.00	1050.00	0.00	0.00	0.00	0.00	0.00	
3	1825.17	15.50	193.84	1815.75	-101.21	-24.93	2.00	193.84	104.24	
4	5811.73	15.50	193.84	5657.25	-1135.87	-279.83	0.00	0.00	1169.83	
5	6586.90	0.00	0.00	6423.00	-1237.08	-304.76	2.00	180.00	1274.07	
6	8521.90	0.00	0.00	8358.00	-1237.08	-304.76	0.00	0.00	1274.07	PBHL_Peaks 35-2(1980 FSL 1629' FWL)

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4147.00	4244.45	PARKMAN
4677.00	4794.46	SUSSEX
7423.00	7586.90	NIO
7753.00	7916.90	CODELL
7828.00	7991.90	GREENHORN
8193.00	8356.90	JSAND

PROJECT DETAILS: COLORADO NORTHERN ZONE - 83

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Northern Zone  
Location: SECTION 2 T1N R68W  
System Datum: Mean Sea Level  
Local North: True

# **US ROCKIES REGION PLANNING**

**COLORADO NORTHERN ZONE - 83**

**WELD\_PEAKS 14-2 PAD**

**P\_PEAKS 35-2**

**P\_Peaks 35-2**

**Plan: Plan #1 7-23-10 RHS**

## **Standard Planning Report**

**25 July, 2010**

<b>Database:</b>	EDM 2003.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P_PEAKS 35-2
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	WELL @ 5046.00ft (Original Well Elev)
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	WELL @ 5046.00ft (Original Well Elev)
<b>Site:</b>	WELD_PEAKS 14-2 PAD	<b>North Reference:</b>	True
<b>Well:</b>	P_PEAKS 35-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	P_Peaks 35-2		
<b>Design:</b>	Plan #1 7-23-10 RHS		

<b>Project</b>	COLORADO NORTHERN 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		

Site		WELD_PEAKS 14-2 PAD, SECTION 2 T1N R68W			
Site Position:		Northing:	1,271,180.07 ft	Latitude:	40° 4' 35.695 N
From:	Lat/Long	Easting:	3,147,154.18 ft	Longitude:	104° 58' 26.918 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.34 °

Well	P_PEAKS 35-2, 1284 FSL 1620 FWL					
Well Position	+N-S	0.00 ft	Northing:	1,271,184.04 ft	Latitude:	40° 4' 35.735 N
	+E-W	0.00 ft	Easting:	3,147,145.17 ft	Longitude:	104° 58' 27.034 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,031.00 ft

<b>Wellbore</b>	P_Peaks 35-2				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	07/23/2010	9.07	66.78	53,072

<b>Design</b>	Plan #1 7-23-10 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	193.84

<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	
1,050.00	0.00	0.00	1,050.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,825.17	15.50	193.84	1,815.75	-101.21	-24.93	2.00	2.00	0.00	193.84	
5,811.73	15.50	193.84	5,657.25	-1,135.87	-279.83	0.00	0.00	0.00	0.00	
6,586.90	0.00	0.00	6,423.00	-1,237.08	-304.76	2.00	-2.00	0.00	180.00	
8,521.90	0.00	0.00	8,358.00	-1,237.08	-304.76	0.00	0.00	0.00	0.00	PBHL_Peaks 35-2(

<b>Database:</b>	EDM 2003.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P_PEAKS 35-2
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	WELL @ 5046.00ft (Original Well Elev)
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	WELL @ 5046.00ft (Original Well Elev)
<b>Site:</b>	WELD_PEAKS 14-2 PAD	<b>North Reference:</b>	True
<b>Well:</b>	P_PEAKS 35-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	P_Peaks 35-2		
<b>Design:</b>	Plan #1 7-23-10 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>8 5/8"</b>									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,050.00	0.00	0.00	1,050.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.00</b>									
1,100.00	1.00	193.84	1,100.00	-0.42	-0.10	0.44	2.00	2.00	0.00
1,200.00	3.00	193.84	1,199.93	-3.81	-0.94	3.93	2.00	2.00	0.00
1,300.00	5.00	193.84	1,299.68	-10.58	-2.61	10.90	2.00	2.00	0.00
1,400.00	7.00	193.84	1,399.13	-20.73	-5.11	21.35	2.00	2.00	0.00
1,500.00	9.00	193.84	1,498.15	-34.25	-8.44	35.27	2.00	2.00	0.00
1,600.00	11.00	193.84	1,596.63	-51.11	-12.59	52.63	2.00	2.00	0.00
1,700.00	13.00	193.84	1,694.44	-71.29	-17.56	73.42	2.00	2.00	0.00
1,800.00	15.00	193.84	1,791.46	-94.78	-23.35	97.62	2.00	2.00	0.00
1,825.17	15.50	193.84	1,815.75	-101.21	-24.93	104.24	2.00	2.00	0.00
<b>Start 3986.56 hold at 1825.17 MD</b>									
1,900.00	15.50	193.84	1,887.85	-120.63	-29.72	124.24	0.00	0.00	0.00
2,000.00	15.50	193.84	1,984.21	-146.59	-36.11	150.97	0.00	0.00	0.00
2,100.00	15.50	193.84	2,080.58	-172.54	-42.51	177.70	0.00	0.00	0.00
2,200.00	15.50	193.84	2,176.94	-198.49	-48.90	204.43	0.00	0.00	0.00
2,300.00	15.50	193.84	2,273.30	-224.45	-55.29	231.16	0.00	0.00	0.00
2,400.00	15.50	193.84	2,369.66	-250.40	-61.69	257.89	0.00	0.00	0.00
2,500.00	15.50	193.84	2,466.02	-276.35	-68.08	284.62	0.00	0.00	0.00
2,600.00	15.50	193.84	2,562.38	-302.31	-74.47	311.35	0.00	0.00	0.00
2,700.00	15.50	193.84	2,658.74	-328.26	-80.87	338.08	0.00	0.00	0.00
2,800.00	15.50	193.84	2,755.11	-354.21	-87.26	364.81	0.00	0.00	0.00
2,900.00	15.50	193.84	2,851.47	-380.17	-93.66	391.53	0.00	0.00	0.00
3,000.00	15.50	193.84	2,947.83	-406.12	-100.05	418.26	0.00	0.00	0.00
3,100.00	15.50	193.84	3,044.19	-432.08	-106.44	444.99	0.00	0.00	0.00
3,200.00	15.50	193.84	3,140.55	-458.03	-112.84	471.72	0.00	0.00	0.00
3,300.00	15.50	193.84	3,236.91	-483.98	-119.23	498.45	0.00	0.00	0.00
3,400.00	15.50	193.84	3,333.27	-509.94	-125.63	525.18	0.00	0.00	0.00
3,500.00	15.50	193.84	3,429.64	-535.89	-132.02	551.91	0.00	0.00	0.00
3,600.00	15.50	193.84	3,526.00	-561.84	-138.41	578.64	0.00	0.00	0.00
3,700.00	15.50	193.84	3,622.36	-587.80	-144.81	605.37	0.00	0.00	0.00
3,800.00	15.50	193.84	3,718.72	-613.75	-151.20	632.10	0.00	0.00	0.00
3,900.00	15.50	193.84	3,815.08	-639.71	-157.59	658.83	0.00	0.00	0.00
4,000.00	15.50	193.84	3,911.44	-665.66	-163.99	685.56	0.00	0.00	0.00
4,100.00	15.50	193.84	4,007.80	-691.61	-170.38	712.29	0.00	0.00	0.00
4,200.00	15.50	193.84	4,104.17	-717.57	-176.78	739.02	0.00	0.00	0.00
4,244.45	15.50	193.84	4,147.00	-729.10	-179.62	750.90	0.00	0.00	0.00
<b>PARKMAN</b>									
4,300.00	15.50	193.84	4,200.53	-743.52	-183.17	765.75	0.00	0.00	0.00
4,400.00	15.50	193.84	4,296.89	-769.47	-189.56	792.48	0.00	0.00	0.00
4,500.00	15.50	193.84	4,393.25	-795.43	-195.96	819.21	0.00	0.00	0.00

<b>Database:</b>	EDM 2003.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P_PEAKS 35-2
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	WELL @ 5046.00ft (Original Well Elev)
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	WELL @ 5046.00ft (Original Well Elev)
<b>Site:</b>	WELD_PEAKS 14-2 PAD	<b>North Reference:</b>	True
<b>Well:</b>	P_PEAKS 35-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	P_Peaks 35-2		
<b>Design:</b>	Plan #1 7-23-10 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)
4,600.00	15.50	193.84	4,489.61	-821.38	-202.35	845.94	0.00	0.00	0.00
4,700.00	15.50	193.84	4,585.97	-847.33	-208.74	872.67	0.00	0.00	0.00
4,794.46	15.50	193.84	4,677.00	-871.85	-214.78	897.92	0.00	0.00	0.00
<b>SUSSEX</b>									
4,800.00	15.50	193.84	4,682.33	-873.29	-215.14	899.40	0.00	0.00	0.00
4,900.00	15.50	193.84	4,778.70	-899.24	-221.53	926.13	0.00	0.00	0.00
5,000.00	15.50	193.84	4,875.06	-925.20	-227.93	952.86	0.00	0.00	0.00
5,100.00	15.50	193.84	4,971.42	-951.15	-234.32	979.59	0.00	0.00	0.00
5,200.00	15.50	193.84	5,067.78	-977.10	-240.71	1,006.32	0.00	0.00	0.00
5,300.00	15.50	193.84	5,164.14	-1,003.06	-247.11	1,033.05	0.00	0.00	0.00
5,400.00	15.50	193.84	5,260.50	-1,029.01	-253.50	1,059.78	0.00	0.00	0.00
5,500.00	15.50	193.84	5,356.86	-1,054.96	-259.90	1,086.51	0.00	0.00	0.00
5,600.00	15.50	193.84	5,453.23	-1,080.92	-266.29	1,113.24	0.00	0.00	0.00
5,700.00	15.50	193.84	5,549.59	-1,106.87	-272.68	1,139.96	0.00	0.00	0.00
5,800.00	15.50	193.84	5,645.95	-1,132.82	-279.08	1,166.69	0.00	0.00	0.00
5,811.73	15.50	193.84	5,657.25	-1,135.87	-279.83	1,169.83	0.00	0.00	0.00
<b>Start Drop -2.00</b>									
5,900.00	13.74	193.84	5,742.66	-1,157.50	-285.16	1,192.11	2.00	-2.00	0.00
6,000.00	11.74	193.84	5,840.19	-1,178.91	-290.43	1,214.16	2.00	-2.00	0.00
6,100.00	9.74	193.84	5,938.44	-1,197.00	-294.89	1,232.79	2.00	-2.00	0.00
6,200.00	7.74	193.84	6,037.27	-1,211.75	-298.52	1,247.98	2.00	-2.00	0.00
6,300.00	5.74	193.84	6,136.58	-1,223.14	-301.33	1,259.71	2.00	-2.00	0.00
6,400.00	3.74	193.84	6,236.23	-1,231.16	-303.30	1,267.97	2.00	-2.00	0.00
6,500.00	1.74	193.84	6,336.11	-1,235.80	-304.45	1,272.75	2.00	-2.00	0.00
6,586.90	0.00	0.00	6,423.00	-1,237.08	-304.76	1,274.07	2.00	-2.00	0.00
<b>Start 1935.00 hold at 6586.90 MD</b>									
6,600.00	0.00	0.00	6,436.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
6,700.00	0.00	0.00	6,536.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
6,800.00	0.00	0.00	6,636.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
6,900.00	0.00	0.00	6,736.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,000.00	0.00	0.00	6,836.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,100.00	0.00	0.00	6,936.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,200.00	0.00	0.00	7,036.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,300.00	0.00	0.00	7,136.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,400.00	0.00	0.00	7,236.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,500.00	0.00	0.00	7,336.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,586.90	0.00	0.00	7,423.00	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
<b>NIO</b>									
7,600.00	0.00	0.00	7,436.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,700.00	0.00	0.00	7,536.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,800.00	0.00	0.00	7,636.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,900.00	0.00	0.00	7,736.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
7,916.90	0.00	0.00	7,753.00	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
<b>CODELL</b>									
7,991.90	0.00	0.00	7,828.00	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
<b>GREENHORN</b>									
8,000.00	0.00	0.00	7,836.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
8,100.00	0.00	0.00	7,936.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
8,200.00	0.00	0.00	8,036.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
8,300.00	0.00	0.00	8,136.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
8,356.90	0.00	0.00	8,193.00	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
<b>JSAND</b>									
8,400.00	0.00	0.00	8,236.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00

<b>Database:</b>	EDM 2003.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well P_PEAKS 35-2
<b>Company:</b>	US ROCKIES REGION PLANNING	<b>TVD Reference:</b>	WELL @ 5046.00ft (Original Well Elev)
<b>Project:</b>	COLORADO NORTHERN ZONE - 83	<b>MD Reference:</b>	WELL @ 5046.00ft (Original Well Elev)
<b>Site:</b>	WELD_PEAKS 14-2 PAD	<b>North Reference:</b>	True
<b>Well:</b>	P_PEAKS 35-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	P_Peaks 35-2		
<b>Design:</b>	Plan #1 7-23-10 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)
8,500.00	0.00	0.00	8,336.10	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
8,521.90	0.00	0.00	8,358.00	-1,237.08	-304.76	1,274.07	0.00	0.00	0.00
PBHL_Peaks 35-2(1980 FSL 1629' FWL)									

Targets									
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	
- Shape									Latitude Longitude
PBHL_Peaks 35-2(19	- plan hits target center	0.00	0.00	8,358.00	-1,237.08	-304.76	1,269,945.18	3,146,847.75	40° 4' 23.509 N 104° 58' 30.954 W
- Circle (radius 50.00)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
900.00	900.00	8 5/8"	8.625	11.000	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,916.90	7,753.00	CODELL				
7,991.90	7,828.00	GREENHORN				
8,356.90	8,193.00	JSAND		0.00		
7,586.90	7,423.00	NIO				
4,244.45	4,147.00	PARKMAN				
4,794.46	4,677.00	SUSSEX				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,050.00	1,050.00	0.00	0.00	Start Build 2.00	
1,825.17	1,815.75	-101.21	-24.93	Start 3986.56 hold at 1825.17 MD	
5,811.73	5,657.25	-1,135.87	-279.83	Start Drop -2.00	
6,586.90	6,423.00	-1,237.08	-304.76	Start 1935.00 hold at 6586.90 MD	
8,521.90	8,358.00	-1,237.08	-304.76	TD at 8521.90	