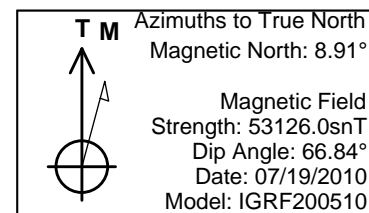
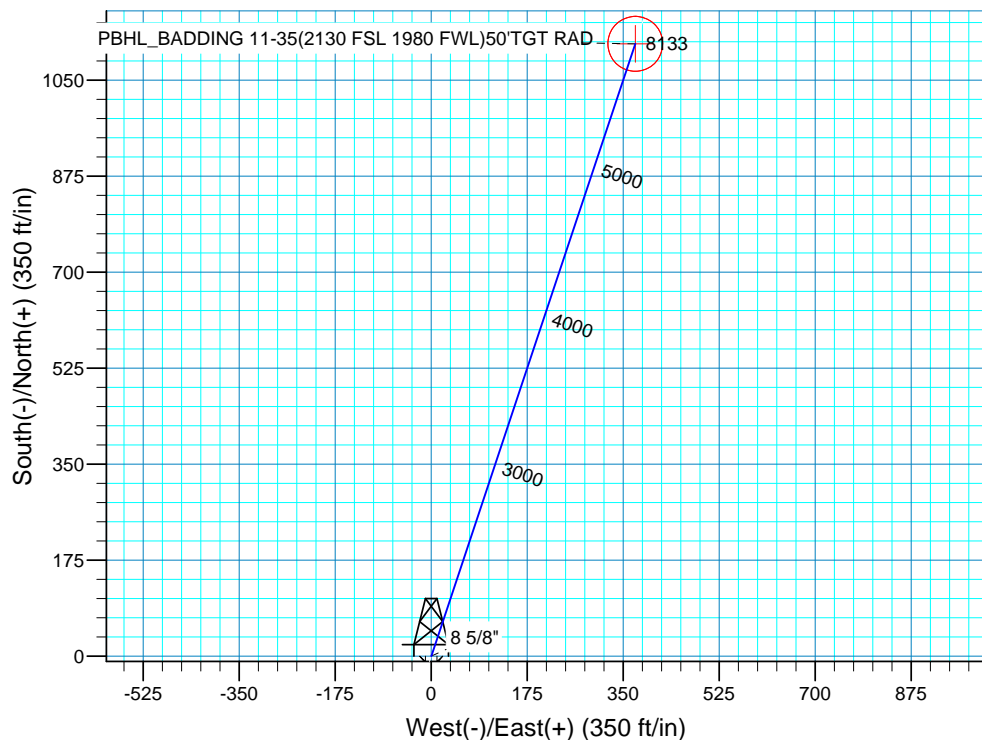
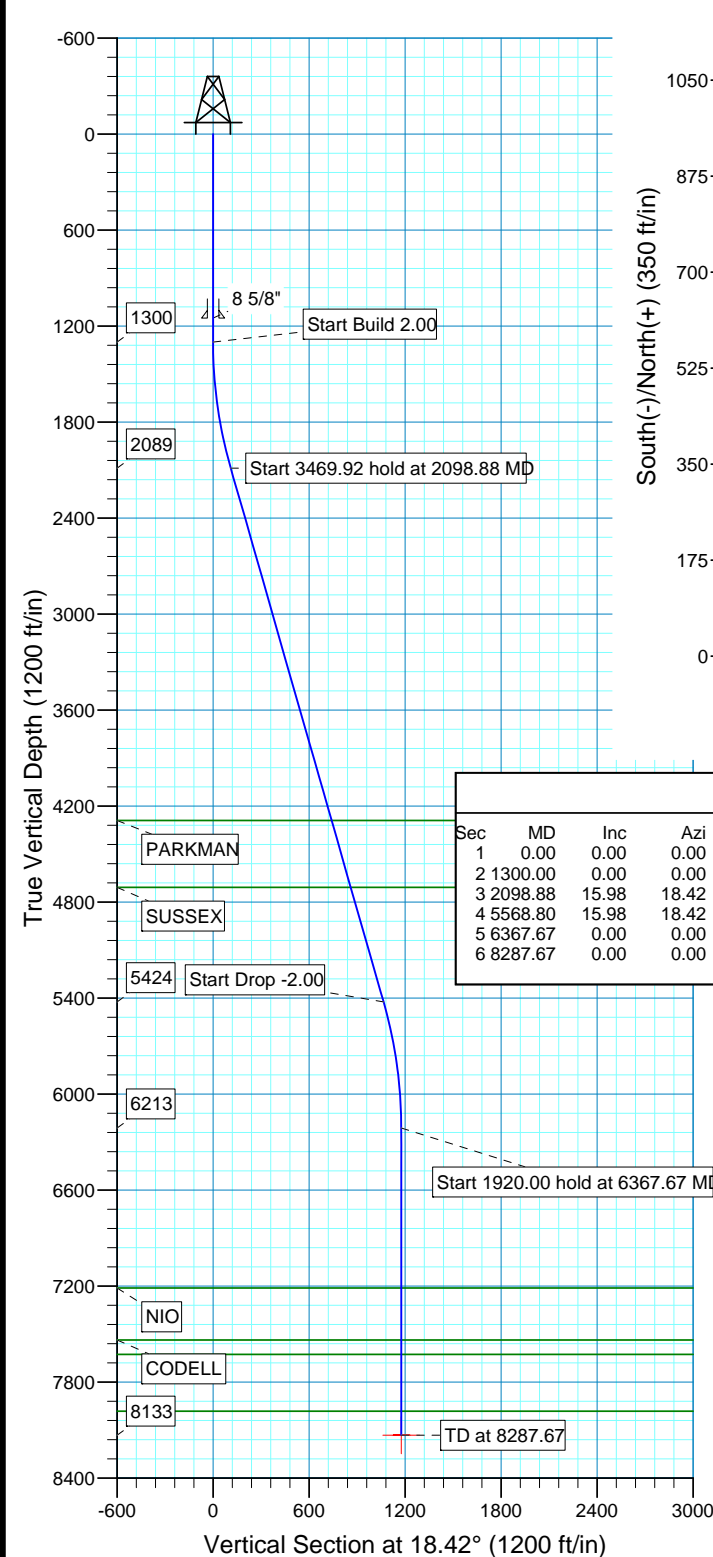


WELL DETAILS: P_BADDING 11-35				
WELL @ 5123.00ft (Original Well Elev) 5108.00				
+N/-S	+E/-W	Northing	Easting	Latitude
0.00	0.00	1276562.38	3210397.98	40° 5' 24.381 N
				104° 44' 52.757 W



WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL	8133.00	1116.18	371.82	1277681.66	3210760.32	40° 5' 35.412 N	104° 44' 47.972 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	1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	0.00		
3	2098.88	15.98	18.42	2088.56	104.99	34.98	2.00	18.42	110.67		
4	5568.80	15.98	18.42	5424.44	1011.17	336.84	0.00	0.00	1065.80		
5	6367.67	0.00	0.00	6213.00	1116.16	371.82	2.00	180.00	1176.46		
6	8287.67	0.00	0.00	8133.00	1116.16	371.82	0.00	0.00	1176.46	PBHL_BADDING 11-35(2130 FSL 1980 FWL)50°TGT	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4290.00	4388.77	PARKMAN
4708.00	4823.57	SUSSEX
7213.00	7367.67	NIO
7538.00	7692.67	CODELL
7628.00	7782.67	GREENHORN
7983.00	8137.67	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 35 T2N R66W
System Datum: Mean Sea Level
Local North: True

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_BADDING 19-35 PAD

P_BADDING 11-35

P_BADDING 11-35

Plan: PLAN #1 7-19-10 RHS

Standard Planning Report

20 July, 2010

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well P_BADDING 11-35
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5123.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5123.00ft (Original Well Elev)
Site:	WELD_BADDING 19-35 PAD	North Reference:	True
Well:	P_BADDING 11-35	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_BADDING 11-35		
Design:	PLAN #1 7-19-10 RHS		

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

Site		WELD_BADDING 19-35 PAD, SECTION 35 T2N R66W			
Site Position:		Northing:	1,276,562.14 ft	Latitude:	40° 5' 24.382 N
From:	Lat/Long	Easting:	3,210,367.76 ft	Longitude:	104° 44' 53.146 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.49 °

Well	P_BADDING 11-35, 1017 FSL 1607 FWL					
Well Position	+N-S	0.00 ft	Northing:	1,276,562.38 ft	Latitude:	40° 5' 24.381 N
	+E-W	0.00 ft	Easting:	3,210,397.98 ft	Longitude:	104° 44' 52.757 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,108.00 ft

Wellbore	P_BADDING 11-35				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	07/19/2010	8.91	66.84	53,126

Design	PLAN #1 7-19-10 RHS			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	18.42

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,098.88	15.98	18.42	2,088.56	104.99	34.98	2.00	2.00	0.00	18.42	
5,568.80	15.98	18.42	5,424.44	1,011.17	336.84	0.00	0.00	0.00	0.00	
6,367.67	0.00	0.00	6,213.00	1,116.16	371.82	2.00	-2.00	0.00	180.00	
8,287.67	0.00	0.00	8,133.00	1,116.16	371.82	0.00	0.00	0.00	0.00	PBHL_BADDING 1

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well P_BADDING 11-35
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5123.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5123.00ft (Original Well Elev)
Site:	WELD_BADDING 19-35 PAD	North Reference:	True
Well:	P_BADDING 11-35	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_BADDING 11-35		
Design:	PLAN #1 7-19-10 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
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,150.00	0.00	0.00	1,150.00	0.00	0.00	0.00	0.00	0.00	0.00
8 5/8"									
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
1,400.00	2.00	18.42	1,399.98	1.66	0.55	1.75	2.00	2.00	0.00
1,500.00	4.00	18.42	1,499.84	6.62	2.21	6.98	2.00	2.00	0.00
1,600.00	6.00	18.42	1,599.45	14.89	4.96	15.69	2.00	2.00	0.00
1,700.00	8.00	18.42	1,698.70	26.45	8.81	27.88	2.00	2.00	0.00
1,800.00	10.00	18.42	1,797.47	41.29	13.76	43.52	2.00	2.00	0.00
1,900.00	12.00	18.42	1,895.62	59.39	19.79	62.60	2.00	2.00	0.00
2,000.00	14.00	18.42	1,993.06	80.73	26.89	85.10	2.00	2.00	0.00
2,098.88	15.98	18.42	2,088.56	104.99	34.98	110.67	2.00	2.00	0.00
Start 3469.92 hold at 2098.88 MD									
2,100.00	15.98	18.42	2,089.64	105.29	35.07	110.98	0.00	0.00	0.00
2,200.00	15.98	18.42	2,185.78	131.40	43.77	138.50	0.00	0.00	0.00
2,300.00	15.98	18.42	2,281.92	157.52	52.47	166.03	0.00	0.00	0.00
2,400.00	15.98	18.42	2,378.05	183.63	61.17	193.55	0.00	0.00	0.00
2,500.00	15.98	18.42	2,474.19	209.75	69.87	221.08	0.00	0.00	0.00
2,600.00	15.98	18.42	2,570.33	235.86	78.57	248.61	0.00	0.00	0.00
2,700.00	15.98	18.42	2,666.46	261.98	87.27	276.13	0.00	0.00	0.00
2,800.00	15.98	18.42	2,762.60	288.09	95.97	303.66	0.00	0.00	0.00
2,900.00	15.98	18.42	2,858.74	314.21	104.67	331.18	0.00	0.00	0.00
3,000.00	15.98	18.42	2,954.88	340.32	113.37	358.71	0.00	0.00	0.00
3,100.00	15.98	18.42	3,051.01	366.44	122.07	386.24	0.00	0.00	0.00
3,200.00	15.98	18.42	3,147.15	392.56	130.77	413.76	0.00	0.00	0.00
3,300.00	15.98	18.42	3,243.29	418.67	139.47	441.29	0.00	0.00	0.00
3,400.00	15.98	18.42	3,339.42	444.79	148.17	468.81	0.00	0.00	0.00
3,500.00	15.98	18.42	3,435.56	470.90	156.87	496.34	0.00	0.00	0.00
3,600.00	15.98	18.42	3,531.70	497.02	165.57	523.87	0.00	0.00	0.00
3,700.00	15.98	18.42	3,627.83	523.13	174.27	551.39	0.00	0.00	0.00
3,800.00	15.98	18.42	3,723.97	549.25	182.96	578.92	0.00	0.00	0.00
3,900.00	15.98	18.42	3,820.11	575.36	191.66	606.44	0.00	0.00	0.00
4,000.00	15.98	18.42	3,916.25	601.48	200.36	633.97	0.00	0.00	0.00
4,100.00	15.98	18.42	4,012.38	627.59	209.06	661.50	0.00	0.00	0.00
4,200.00	15.98	18.42	4,108.52	653.71	217.76	689.02	0.00	0.00	0.00
4,300.00	15.98	18.42	4,204.66	679.82	226.46	716.55	0.00	0.00	0.00
4,388.77	15.98	18.42	4,290.00	703.00	234.18	740.98	0.00	0.00	0.00
PARKMAN									
4,400.00	15.98	18.42	4,300.79	705.94	235.16	744.07	0.00	0.00	0.00
4,500.00	15.98	18.42	4,396.93	732.05	243.86	771.60	0.00	0.00	0.00

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well P_BADDING 11-35
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5123.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5123.00ft (Original Well Elev)
Site:	WELD_BADDING 19-35 PAD	North Reference:	True
Well:	P_BADDING 11-35	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_BADDING 11-35		
Design:	PLAN #1 7-19-10 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	15.98	18.42	4,493.07	758.17	252.56	799.13	0.00	0.00	0.00
4,700.00	15.98	18.42	4,589.20	784.28	261.26	826.65	0.00	0.00	0.00
4,800.00	15.98	18.42	4,685.34	810.40	269.96	854.18	0.00	0.00	0.00
4,823.57	15.98	18.42	4,708.00	816.55	272.01	860.67	0.00	0.00	0.00
SUSSEX									
4,900.00	15.98	18.42	4,781.48	836.51	278.66	881.70	0.00	0.00	0.00
5,000.00	15.98	18.42	4,877.62	862.63	287.36	909.23	0.00	0.00	0.00
5,100.00	15.98	18.42	4,973.75	888.74	296.06	936.76	0.00	0.00	0.00
5,200.00	15.98	18.42	5,069.89	914.86	304.76	964.28	0.00	0.00	0.00
5,300.00	15.98	18.42	5,166.03	940.97	313.46	991.81	0.00	0.00	0.00
5,400.00	15.98	18.42	5,262.16	967.09	322.16	1,019.33	0.00	0.00	0.00
5,500.00	15.98	18.42	5,358.30	993.20	330.86	1,046.86	0.00	0.00	0.00
5,568.80	15.98	18.42	5,424.44	1,011.17	336.84	1,065.80	0.00	0.00	0.00
Start Drop -2.00									
5,600.00	15.35	18.42	5,454.48	1,019.16	339.50	1,074.22	2.00	-2.00	0.00
5,700.00	13.35	18.42	5,551.36	1,042.68	347.34	1,099.01	2.00	-2.00	0.00
5,800.00	11.35	18.42	5,649.04	1,062.98	354.10	1,120.41	2.00	-2.00	0.00
5,900.00	9.35	18.42	5,747.40	1,080.03	359.78	1,138.38	2.00	-2.00	0.00
6,000.00	7.35	18.42	5,846.34	1,093.81	364.37	1,152.90	2.00	-2.00	0.00
6,100.00	5.35	18.42	5,945.72	1,104.31	367.87	1,163.97	2.00	-2.00	0.00
6,200.00	3.35	18.42	6,045.42	1,111.51	370.27	1,171.56	2.00	-2.00	0.00
6,300.00	1.35	18.42	6,145.34	1,115.41	371.56	1,175.67	2.00	-2.00	0.00
6,367.67	0.00	0.00	6,213.00	1,116.16	371.82	1,176.46	2.00	-2.00	0.00
Start 1920.00 hold at 6367.67 MD									
6,400.00	0.00	0.00	6,245.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
6,500.00	0.00	0.00	6,345.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
6,600.00	0.00	0.00	6,445.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
6,700.00	0.00	0.00	6,545.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
6,800.00	0.00	0.00	6,645.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
6,900.00	0.00	0.00	6,745.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
7,000.00	0.00	0.00	6,845.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
7,100.00	0.00	0.00	6,945.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
7,200.00	0.00	0.00	7,045.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
7,300.00	0.00	0.00	7,145.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
7,367.67	0.00	0.00	7,213.00	1,116.16	371.82	1,176.46	0.00	0.00	0.00
NIO									
7,400.00	0.00	0.00	7,245.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
7,500.00	0.00	0.00	7,345.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
7,600.00	0.00	0.00	7,445.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
7,692.67	0.00	0.00	7,538.00	1,116.16	371.82	1,176.46	0.00	0.00	0.00
CODELL									
7,700.00	0.00	0.00	7,545.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
7,782.67	0.00	0.00	7,628.00	1,116.16	371.82	1,176.46	0.00	0.00	0.00
GREENHORN									
7,800.00	0.00	0.00	7,645.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
7,900.00	0.00	0.00	7,745.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
8,000.00	0.00	0.00	7,845.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
8,100.00	0.00	0.00	7,945.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
8,137.67	0.00	0.00	7,983.00	1,116.16	371.82	1,176.46	0.00	0.00	0.00
JSAND									
8,200.00	0.00	0.00	8,045.33	1,116.16	371.82	1,176.46	0.00	0.00	0.00
8,287.67	0.00	0.00	8,133.00	1,116.16	371.82	1,176.46	0.00	0.00	0.00

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well P_BADDING 11-35
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5123.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5123.00ft (Original Well Elev)
Site:	WELD_BADDING 19-35 PAD	North Reference:	True
Well:	P_BADDING 11-35	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_BADDING 11-35		
Design:	PLAN #1 7-19-10 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)
PBHL_BADDING 11-35(2130 FSL 1980 FWL)50'TGT RAD									

Targets									
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude Longitude
PBHL_BADDING 11-35	- plan hits target center	0.00	0.49	8,133.00	1,116.18	371.82	1,277,681.66	3,210,760.32	40° 5' 35.412 N 104° 44' 47.972 W
	- Circle (radius 50.00)								

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,150.00	1,150.00	8 5/8"	8.620	11.000	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,782.67	7,628.00	GREENHORN				
4,388.77	4,290.00	PARKMAN				
4,823.57	4,708.00	SUSSEX				
7,692.67	7,538.00	CODELL				
8,137.67	7,983.00	JSAND				
7,367.67	7,213.00	NIO				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,300.00	1,300.00	0.00	0.00	Start Build 2.00	
2,098.88	2,088.56	104.99	34.98	Start 3469.92 hold at 2098.88 MD	
5,568.80	5,424.44	1,011.17	336.84	Start Drop -2.00	
6,367.67	6,213.00	1,116.16	371.82	Start 1920.00 hold at 6367.67 MD	
8,287.67	8,133.00	1,116.16	371.82	TD at 8287.67	