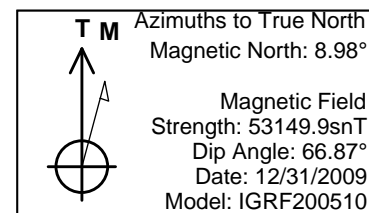
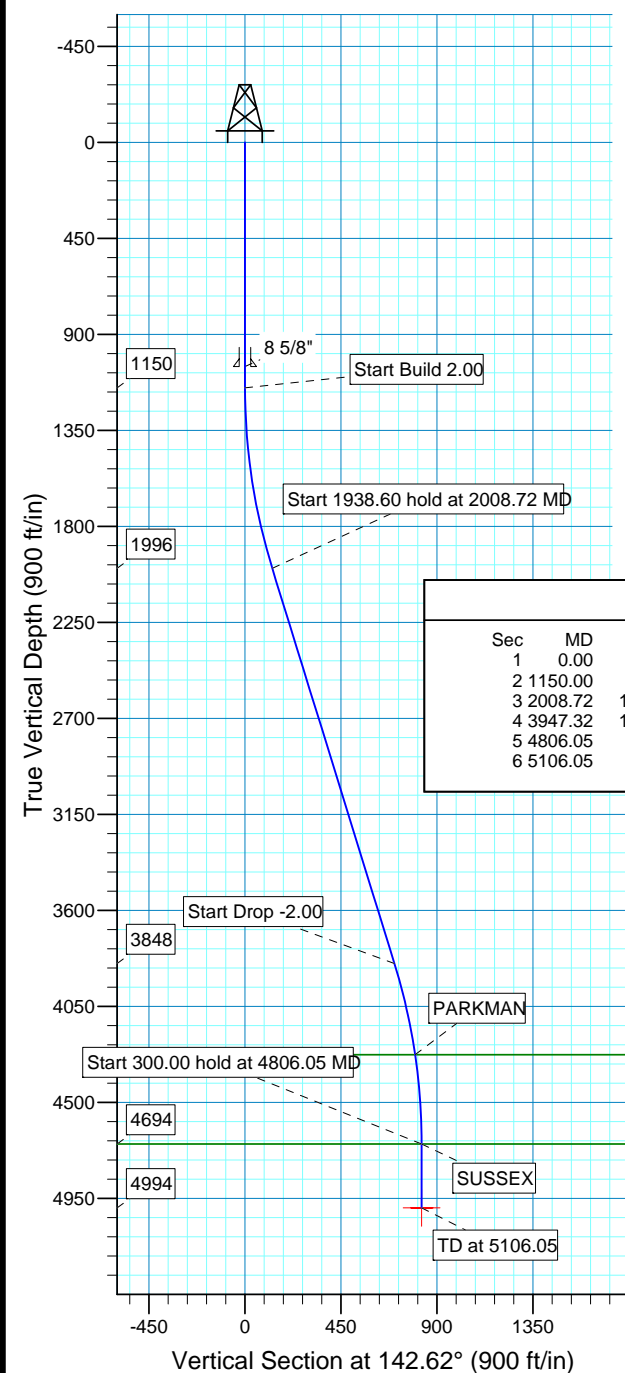
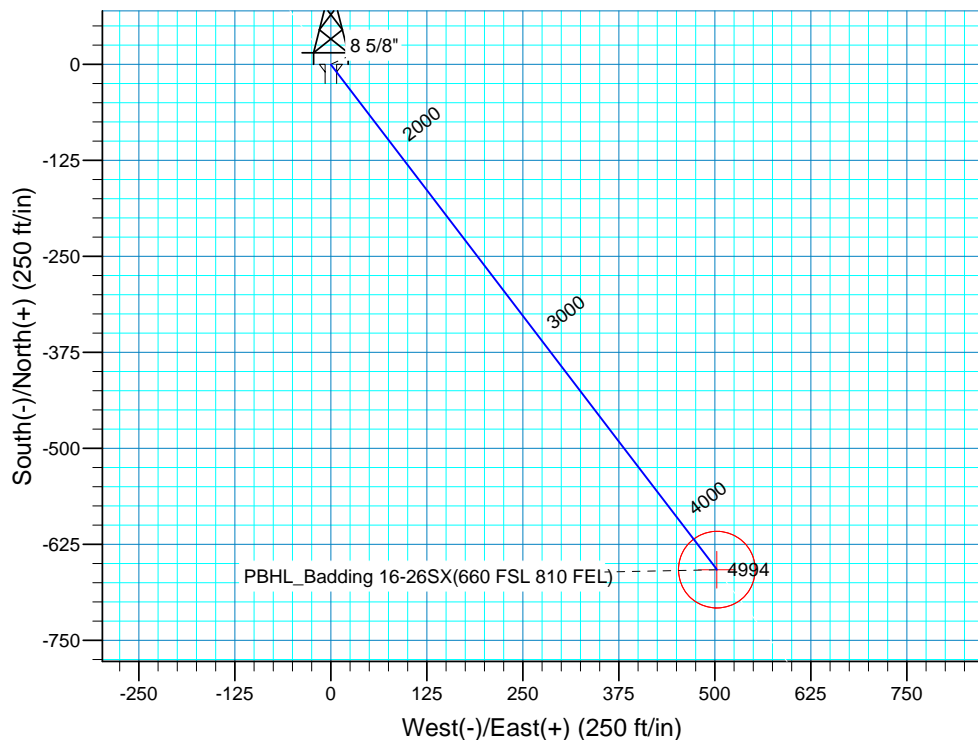


WELL DETAILS: P_Badding 16-26SX					
WELL @ 5082.00ft (Original Well Elev) 5067.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1282247.53	3212705.93	40° 6' 20.369 N	104° 44' 22.434 W



WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	4994.00	-657.88	502.67	1281593.99	3213214.22	40° 6' 13.867 N	104° 44' 15.965 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	1150.00	0.00	0.00	1150.00	0.00	0.00	0.00	0.00	0.00	
3	2008.72	17.17	142.62	1995.92	-101.50	77.56	2.00	142.62	127.74	
4	3947.32	17.17	142.62	3848.08	-556.35	425.11	0.00	0.00	700.17	
5	4806.05	0.00	0.00	4694.00	-657.85	502.67	2.00	180.00	827.91	
6	5106.05	0.00	0.00	4994.00	-657.85	502.67	0.00	0.00	827.91	PBHL_Badding 16-26SX(660 FSL 810 FEL)

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4276.00	4386.55	PARKMAN
4694.00	4806.05	SUSSEX

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 26 T2N R66W
System Datum:	Mean Sea Level
Local North:	True

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_BADDING 20-26 PAD

P_Badding 16-26SX

P_Badding 16-26SX

Plan: PLAN #1 7-22-10 RHS

Standard Planning Report

22 July, 2010

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well P_Badding 16-26SX
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5082.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5082.00ft (Original Well Elev)
Site:	WELD_BADDING 20-26 PAD	North Reference:	True
Well:	P_Badding 16-26SX	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_Badding 16-26SX		
Design:	PLAN #1 7-22-10 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 20-26 PAD, SECTION 26 T2N R66W			
Site Position:		Northing:	1,282,246.75 ft	Latitude:	40° 6' 20.365 N
From:	Lat/Long	Easting:	3,212,655.87 ft	Longitude:	104° 44' 23.078 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.49 °

Well	P_Badding 16-26SX					
Well Position	+N-S	0.00 ft	Northing:	1,282,247.53 ft	Latitude:	40° 6' 20.369 N
	+E-W	0.00 ft	Easting:	3,212,705.93 ft	Longitude:	104° 44' 22.434 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,067.00 ft

Wellbore	P_Badding 16-26SX				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	8.98	66.87	53,150

Design	PLAN #1 7-22-10 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	142.62

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	
1,150.00	0.00	0.00	1,150.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,008.72	17.17	142.62	1,995.92	-101.50	77.56	2.00	2.00	0.00	142.62	
3,947.32	17.17	142.62	3,848.08	-556.35	425.11	0.00	0.00	0.00	0.00	
4,806.05	0.00	0.00	4,694.00	-657.85	502.67	2.00	-2.00	0.00	180.00	
5,106.05	0.00	0.00	4,994.00	-657.85	502.67	0.00	0.00	0.00	0.00	PBHL_Badding 16-

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well P_Badding 16-26SX
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5082.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5082.00ft (Original Well Elev)
Site:	WELD_BADDING 20-26 PAD	North Reference:	True
Well:	P_Badding 16-26SX	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_Badding 16-26SX		
Design:	PLAN #1 7-22-10 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
1,050.00	0.00	0.00	1,050.00	0.00	0.00	0.00	0.00	0.00	0.00
8 5/8"									
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
Start Build 2.00									
1,200.00	1.00	142.62	1,200.00	-0.35	0.26	0.44	2.00	2.00	0.00
1,300.00	3.00	142.62	1,299.93	-3.12	2.38	3.93	2.00	2.00	0.00
1,400.00	5.00	142.62	1,399.68	-8.66	6.62	10.90	2.00	2.00	0.00
1,500.00	7.00	142.62	1,499.13	-16.97	12.96	21.35	2.00	2.00	0.00
1,600.00	9.00	142.62	1,598.15	-28.03	21.41	35.27	2.00	2.00	0.00
1,700.00	11.00	142.62	1,696.63	-41.82	31.96	52.63	2.00	2.00	0.00
1,800.00	13.00	142.62	1,794.44	-58.34	44.58	73.42	2.00	2.00	0.00
1,900.00	15.00	142.62	1,891.46	-77.56	59.27	97.62	2.00	2.00	0.00
2,000.00	17.00	142.62	1,987.58	-99.46	76.00	125.18	2.00	2.00	0.00
2,008.72	17.17	142.62	1,995.92	-101.50	77.56	127.74	2.00	2.00	0.00
Start 1938.60 hold at 2008.72 MD									
2,100.00	17.17	142.62	2,083.13	-122.92	93.92	154.69	0.00	0.00	0.00
2,200.00	17.17	142.62	2,178.67	-146.38	111.85	184.22	0.00	0.00	0.00
2,300.00	17.17	142.62	2,274.21	-169.84	129.78	213.75	0.00	0.00	0.00
2,400.00	17.17	142.62	2,369.75	-193.30	147.71	243.28	0.00	0.00	0.00
2,500.00	17.17	142.62	2,465.29	-216.77	165.63	272.81	0.00	0.00	0.00
2,600.00	17.17	142.62	2,560.83	-240.23	183.56	302.33	0.00	0.00	0.00
2,700.00	17.17	142.62	2,656.37	-263.69	201.49	331.86	0.00	0.00	0.00
2,800.00	17.17	142.62	2,751.92	-287.16	219.42	361.39	0.00	0.00	0.00
2,900.00	17.17	142.62	2,847.46	-310.62	237.35	390.92	0.00	0.00	0.00
3,000.00	17.17	142.62	2,943.00	-334.08	255.28	420.45	0.00	0.00	0.00
3,100.00	17.17	142.62	3,038.54	-357.54	273.20	449.98	0.00	0.00	0.00
3,200.00	17.17	142.62	3,134.08	-381.01	291.13	479.50	0.00	0.00	0.00
3,300.00	17.17	142.62	3,229.62	-404.47	309.06	509.03	0.00	0.00	0.00
3,400.00	17.17	142.62	3,325.16	-427.93	326.99	538.56	0.00	0.00	0.00
3,500.00	17.17	142.62	3,420.70	-451.39	344.92	568.09	0.00	0.00	0.00
3,600.00	17.17	142.62	3,516.24	-474.86	362.84	597.62	0.00	0.00	0.00
3,700.00	17.17	142.62	3,611.78	-498.32	380.77	627.14	0.00	0.00	0.00
3,800.00	17.17	142.62	3,707.33	-521.78	398.70	656.67	0.00	0.00	0.00
3,900.00	17.17	142.62	3,802.87	-545.25	416.63	686.20	0.00	0.00	0.00
3,947.32	17.17	142.62	3,848.08	-556.35	425.11	700.17	0.00	0.00	0.00
Start Drop -2.00									
4,000.00	16.12	142.62	3,898.55	-568.34	434.27	715.27	2.00	-2.00	0.00
4,100.00	14.12	142.62	3,995.08	-589.07	450.11	741.35	2.00	-2.00	0.00
4,200.00	12.12	142.62	4,092.46	-607.10	463.89	764.05	2.00	-2.00	0.00
4,300.00	10.12	142.62	4,190.58	-622.43	475.60	783.34	2.00	-2.00	0.00
4,386.55	8.39	142.62	4,276.00	-633.49	484.06	797.26	2.00	-2.00	0.00

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well P_Badding 16-26SX
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5082.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5082.00ft (Original Well Elev)
Site:	WELD_BADDING 20-26 PAD	North Reference:	True
Well:	P_Badding 16-26SX	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_Badding 16-26SX		
Design:	PLAN #1 7-22-10 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)
PARKMAN									
4,400.00	8.12	142.62	4,289.31	-635.02	485.23	799.19	2.00	-2.00	0.00
4,500.00	6.12	142.62	4,388.54	-644.87	492.75	811.58	2.00	-2.00	0.00
4,600.00	4.12	142.62	4,488.13	-651.96	498.17	820.51	2.00	-2.00	0.00
4,700.00	2.12	142.62	4,587.98	-656.29	501.48	825.95	2.00	-2.00	0.00
4,800.00	0.12	142.62	4,687.95	-657.84	502.67	827.91	2.00	-2.00	0.00
4,806.05	0.00	0.00	4,694.00	-657.85	502.67	827.91	2.00	-2.00	0.00
Start 300.00 hold at 4806.05 MD - SUSSEX									
4,900.00	0.00	0.00	4,787.95	-657.85	502.67	827.91	0.00	0.00	0.00
5,000.00	0.00	0.00	4,887.95	-657.85	502.67	827.91	0.00	0.00	0.00
5,100.00	0.00	0.00	4,987.95	-657.85	502.67	827.91	0.00	0.00	0.00
5,106.05	0.00	0.00	4,994.00	-657.85	502.67	827.91	0.00	0.00	0.00
PBHL_Badding 16-26SX(660 FSL 810 FEL)									

Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
PBHL_Badding 16-26	0.00	0.00	4,994.00	-657.88	502.67	1,281,593.99	3,213,214.22	40° 6' 13.867 N	104° 44' 15.965 W
- plan hits target center									
- Circle (radius 50.00)									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
1,050.00	1,050.00	8 5/8"	8.620	11.000

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,806.05	4,694.00	SUSSEX			
4,386.55	4,276.00	PARKMAN			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,150.00	1,150.00	0.00	0.00	Start Build 2.00
2,008.72	1,995.92	-101.50	77.56	Start 1938.60 hold at 2008.72 MD
3,947.32	3,848.08	-556.35	425.11	Start Drop -2.00
4,806.05	4,694.00	-657.85	502.67	Start 300.00 hold at 4806.05 MD
5,106.05	4,994.00	-657.85	502.67	TD at 5106.05