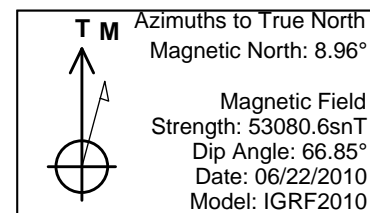
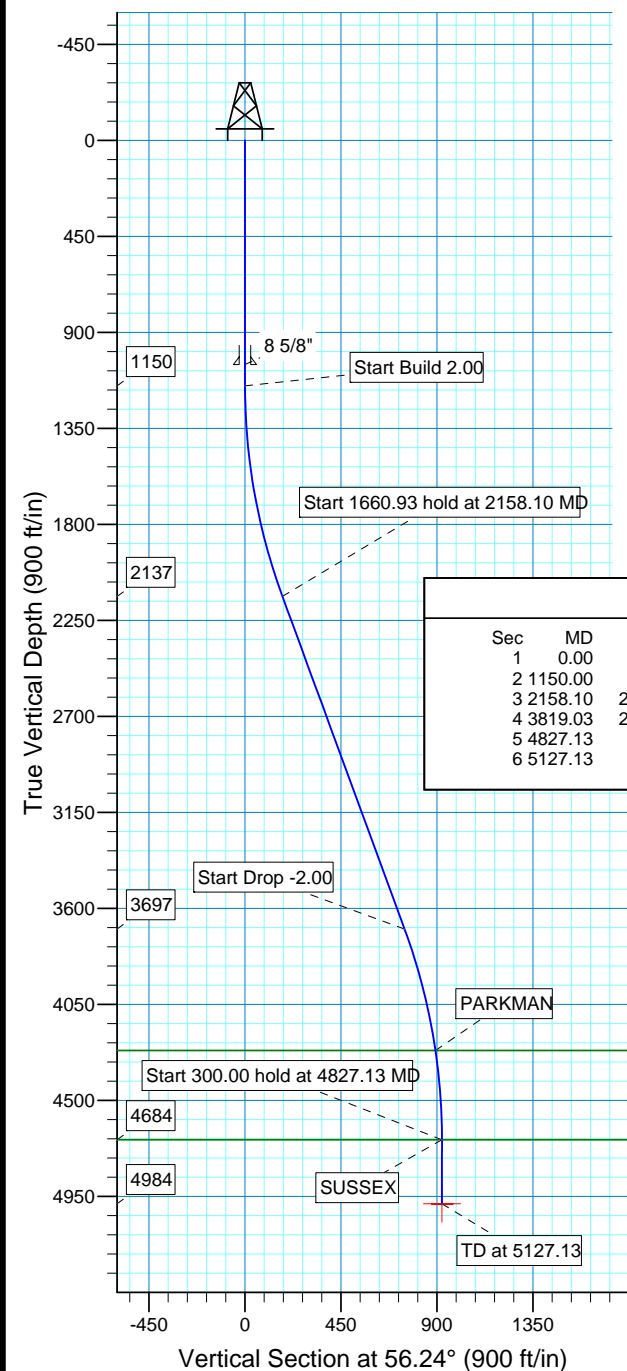
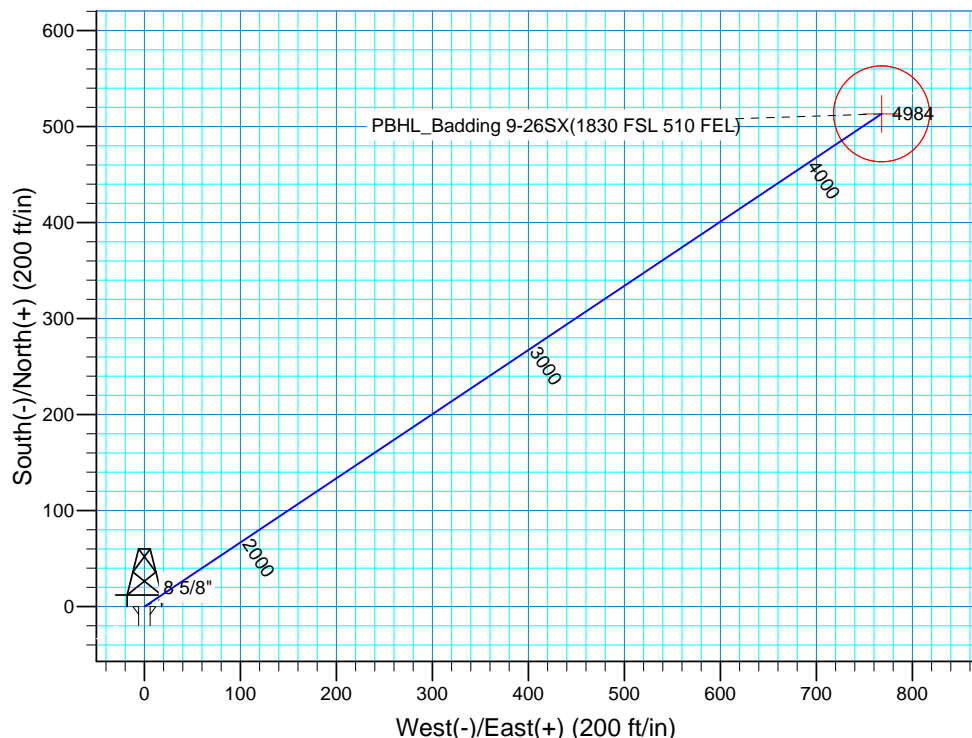


WELL DETAILS: P_Badding 9-26SX					
WELL @ 5082.00ft (Original Well Elev) 5067.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1282247.79	3212735.86	40° 6' 20.369 N	104° 44' 22.049 W



WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	4984.00	513.29	767.82	1282767.64	3213499.24	40° 6' 25.441 N	104° 44' 12.167 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	2158.10	20.16	56.24	2137.43	97.56	145.95	2.00	56.24	175.55	
4	3819.03	20.16	56.24	3696.57	415.71	621.89	0.00	0.00	748.03	
5	4827.13	0.00	0.00	4684.00	513.26	767.83	2.00	180.00	923.58	
6	5127.13	0.00	0.00	4984.00	513.26	767.83	0.00	0.00	923.58	PBHL_Badding 9-26SX(1830 FSL 510 FEL)

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4266.00	4407.64	PARKMAN
4684.00	4827.13	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 9-26SX

P_Badding 9-26SX

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 9-26SX
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 9-26SX	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_Badding 9-26SX		
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 9-26SX					
Well Position	+N-S	0.00 ft	Northing:	1,282,247.79 ft	Latitude:	40° 6' 20.369 N
	+E-W	0.00 ft	Easting:	3,212,735.86 ft	Longitude:	104° 44' 22.049 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,067.00 ft

Wellbore	P_Badding 9-26SX				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	06/22/2010	8.96	66.85	53,081

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	56.24

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	
2,158.10	20.16	56.24	2,137.43	97.56	145.95	2.00	2.00	0.00	56.24	
3,819.03	20.16	56.24	3,696.57	415.71	621.89	0.00	0.00	0.00	0.00	
4,827.13	0.00	0.00	4,684.00	513.26	767.83	2.00	-2.00	0.00	180.00	
5,127.13	0.00	0.00	4,984.00	513.26	767.83	0.00	0.00	0.00	0.00	PBHL_Badding 9-2

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well P_Badding 9-26SX
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 9-26SX	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_Badding 9-26SX		
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	56.24	1,200.00	0.24	0.36	0.44	2.00	2.00	0.00
1,300.00	3.00	56.24	1,299.93	2.18	3.26	3.93	2.00	2.00	0.00
1,400.00	5.00	56.24	1,399.68	6.06	9.06	10.90	2.00	2.00	0.00
1,500.00	7.00	56.24	1,499.13	11.87	17.75	21.35	2.00	2.00	0.00
1,600.00	9.00	56.24	1,598.15	19.60	29.32	35.27	2.00	2.00	0.00
1,700.00	11.00	56.24	1,696.63	29.25	43.76	52.63	2.00	2.00	0.00
1,800.00	13.00	56.24	1,794.44	40.80	61.04	73.42	2.00	2.00	0.00
1,900.00	15.00	56.24	1,891.46	54.25	81.15	97.62	2.00	2.00	0.00
2,000.00	17.00	56.24	1,987.58	69.57	104.07	125.18	2.00	2.00	0.00
2,100.00	19.00	56.24	2,082.68	86.74	129.76	156.08	2.00	2.00	0.00
2,158.10	20.16	56.24	2,137.43	97.56	145.95	175.55	2.00	2.00	0.00
Start 1660.93 hold at 2158.10 MD									
2,200.00	20.16	56.24	2,176.76	105.58	157.95	189.99	0.00	0.00	0.00
2,300.00	20.16	56.24	2,270.63	124.74	186.61	224.46	0.00	0.00	0.00
2,400.00	20.16	56.24	2,364.50	143.89	215.26	258.93	0.00	0.00	0.00
2,500.00	20.16	56.24	2,458.37	163.05	243.92	293.39	0.00	0.00	0.00
2,600.00	20.16	56.24	2,552.24	182.20	272.57	327.86	0.00	0.00	0.00
2,700.00	20.16	56.24	2,646.12	201.36	301.23	362.33	0.00	0.00	0.00
2,800.00	20.16	56.24	2,739.99	220.51	329.88	396.80	0.00	0.00	0.00
2,900.00	20.16	56.24	2,833.86	239.67	358.54	431.26	0.00	0.00	0.00
3,000.00	20.16	56.24	2,927.73	258.82	387.19	465.73	0.00	0.00	0.00
3,100.00	20.16	56.24	3,021.60	277.98	415.85	500.20	0.00	0.00	0.00
3,200.00	20.16	56.24	3,115.48	297.13	444.50	534.67	0.00	0.00	0.00
3,300.00	20.16	56.24	3,209.35	316.29	473.16	569.14	0.00	0.00	0.00
3,400.00	20.16	56.24	3,303.22	335.44	501.81	603.60	0.00	0.00	0.00
3,500.00	20.16	56.24	3,397.09	354.60	530.47	638.07	0.00	0.00	0.00
3,600.00	20.16	56.24	3,490.97	373.75	559.12	672.54	0.00	0.00	0.00
3,700.00	20.16	56.24	3,584.84	392.91	587.78	707.01	0.00	0.00	0.00
3,800.00	20.16	56.24	3,678.71	412.06	616.43	741.47	0.00	0.00	0.00
3,819.03	20.16	56.24	3,696.57	415.71	621.89	748.03	0.00	0.00	0.00
Start Drop -2.00									
3,900.00	18.54	56.24	3,772.97	430.62	644.19	774.86	2.00	-2.00	0.00
4,000.00	16.54	56.24	3,868.31	447.37	669.25	805.00	2.00	-2.00	0.00
4,100.00	14.54	56.24	3,964.65	462.26	691.52	831.80	2.00	-2.00	0.00
4,200.00	12.54	56.24	4,061.86	475.27	710.99	855.21	2.00	-2.00	0.00
4,300.00	10.54	56.24	4,159.84	486.39	727.63	875.22	2.00	-2.00	0.00
4,400.00	8.54	56.24	4,258.45	495.60	741.41	891.80	2.00	-2.00	0.00

Database:	EDM 2003.16 Single User Db	Local Co-ordinate Reference:	Well P_Badding 9-26SX
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 9-26SX	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_Badding 9-26SX		
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)
4,407.64	8.39	56.24	4,266.00	496.23	742.34	892.92	2.00	-2.00	0.00
PARKMAN									
4,500.00	6.54	56.24	4,357.58	502.90	752.32	904.93	2.00	-2.00	0.00
4,600.00	4.54	56.24	4,457.10	508.26	760.35	914.58	2.00	-2.00	0.00
4,700.00	2.54	56.24	4,556.91	511.70	765.49	920.76	2.00	-2.00	0.00
4,800.00	0.54	56.24	4,656.87	513.19	767.72	923.45	2.00	-2.00	0.00
4,827.13	0.00	0.00	4,684.00	513.26	767.83	923.58	2.00	-2.00	-207.27
Start 300.00 hold at 4827.13 MD - SUSSEX									
4,900.00	0.00	0.00	4,756.87	513.26	767.83	923.58	0.00	0.00	0.00
5,000.00	0.00	0.00	4,856.87	513.26	767.83	923.58	0.00	0.00	0.00
5,100.00	0.00	0.00	4,956.87	513.26	767.83	923.58	0.00	0.00	0.00
5,127.13	0.00	0.00	4,984.00	513.26	767.83	923.58	0.00	0.00	0.00
PBHL_Badding 9-26SX(1830 FSL 510 FEL)									

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_Badding 9-26S	0.00	0.00	4,984.00	513.29	767.82	1,282,767.64	3,213,499.24	40° 6' 25.441 N	104° 44' 12.167 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 (°)
4,407.64	4,266.00	PARKMAN			
4,827.13	4,684.00	SUSSEX			

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
2,158.10	2,137.43	97.56	145.95	Start 1660.93 hold at 2158.10 MD
3,819.03	3,696.57	415.71	621.89	Start Drop -2.00
4,827.13	4,684.00	513.26	767.83	Start 300.00 hold at 4827.13 MD
5,127.13	4,984.00	513.26	767.83	TD at 5127.13