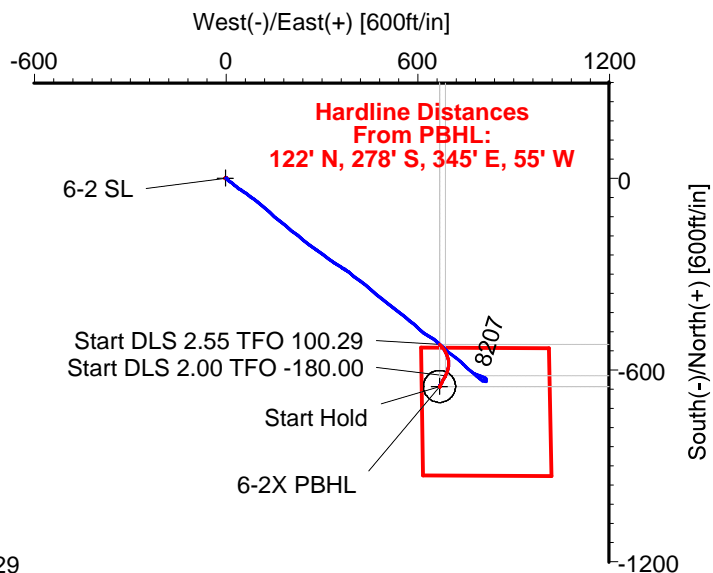
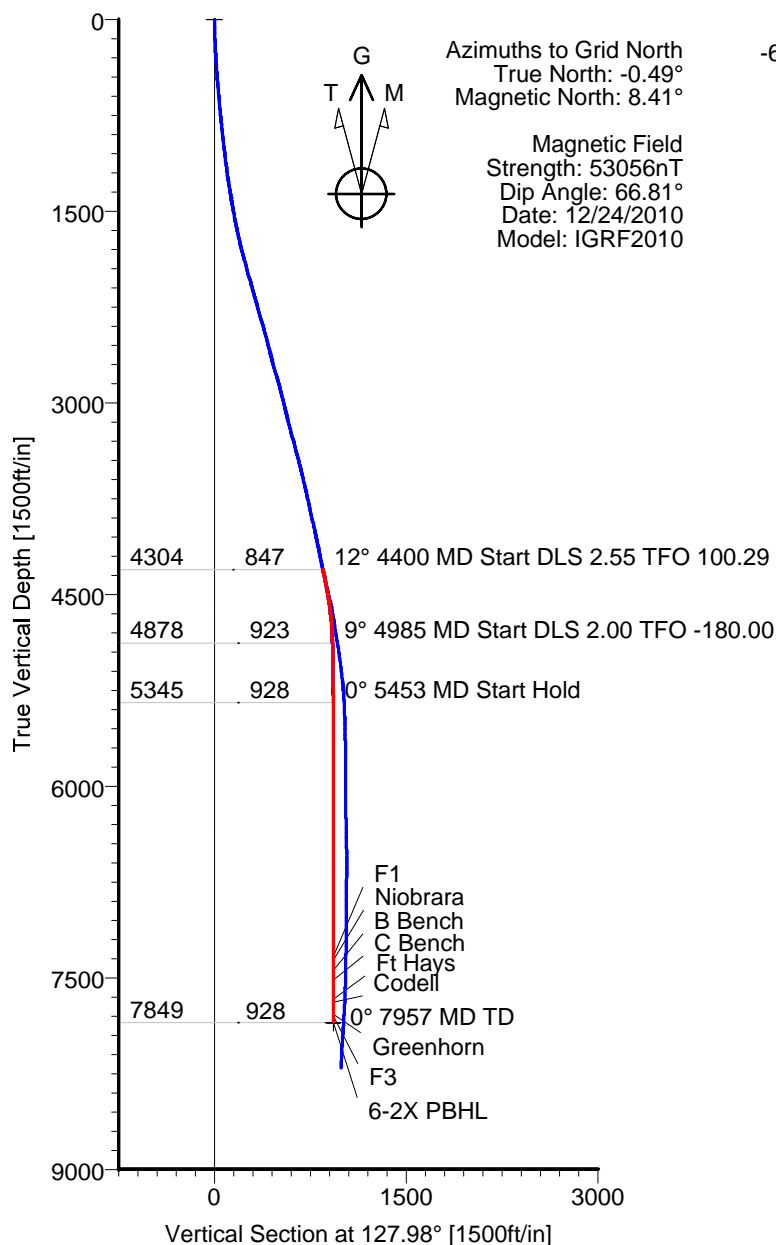


ANADARKO PETROLEUM

Field: Weld County, CO
Site: Jesser 18-2 Pad
Well: Brown 6-2
Wellpath: Brown 6-2X
Plan: Plan #1



FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	7329.00	7437.37	F1
2	7360.00	7468.37	Niobrara
3	7441.00	7549.37	B Bench
4	7515.00	7623.37	C Bench
5	7666.00	7774.37	Ft Hays
6	7689.00	7797.37	Codell
7	7784.00	7892.37	Greenhorn
8	7799.00	7907.37	F3

LEGEND

- Brown 6-2 (Original Hole)
- Brown 6-2X
- Plan #1

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
6-2 SL	0.00	0.00	0.00	40°05'02.659N	104°44'58.225W	Point
6-2X PBHL	7849.00	-651.43	668.51	40°04'56.165N	104°44'49.696W	Circle (Radius: 50)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	4400.00	12.03	131.28	4303.93	-520.08	668.90	0.00	0.00	847.29	
2	4984.55	9.37	210.32	4878.27	-618.45	687.79	2.55	100.29	922.72	
3	5452.97	0.00	72.05	5344.60	-651.43	668.51	2.00	-180.00	927.82	
4	7957.37	0.00	72.05	7849.00	-651.43	668.51	0.00	0.00	927.82	6-2X PBHL

Allis-Chalmers Energy, Inc.

Planning Report

Company: ANADARKO PETROLEUM Field: Weld County, CO Site: Jesser 18-2 Pad Well: Brown 6-2 Wellpath: Brown 6-2X	Date: 12/24/2010 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Plan:	Time: 13:33:13 Well: Brown 6-2, Grid North 5144'GL+13'KB 5157.0 Well (0.00N,0.00E,127.98Azi) Plan #1	Page: 1
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Field: Weld County, CO Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level	Map Zone: Colorado, Northern Zone Coordinate System: Well Centre Geomagnetic Model: IGRF2010
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Site: Jesser 18-2 Pad Centered on Jesser 21-2			
Site Position: From: Geographic Position Uncertainty: 0.00 ft Ground Level: 5144.00 ft	Northing: 1274364.19 ft Easting: 3210048.09 ft	Latitude: 40 5 2.663 N Longitude: 104 44 57.581 W North Reference: Grid Grid Convergence: 0.49 deg	

Well: Brown 6-2 Well Position: +N/-S -0.86 ft +E/-W -50.06 ft Position Uncertainty: 0.00 ft	Slot Name: 6-2 Well Position: +N/-S -0.86 ft +E/-W -50.06 ft Position Uncertainty: 0.00 ft
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Wellpath: Brown 6-2X Current Datum: 5144'GL+13'KB Magnetic Data: 12/24/2010 Field Strength: 53056 nT Vertical Section: Depth From (TVD) ft	Height 5157.00 ft	Drilled From: Original Hole Tie-on Depth: 4400.00 ft Above System Datum: Mean Sea Level Declination: 8.89 deg Mag Dip Angle: 66.81 deg +E/-W ft Direction deg
0.00	0.00	0.00 127.98

Plan: Plan #1 Principal: Yes	Date Composed: 12/24/2010 Version: 1 Tied-to: From: Definitive Path
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Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
4400.00	12.03	131.28	4303.93	-520.08	668.90	0.00	0.00	0.00	0.00	
4984.55	9.37	210.32	4878.27	-618.45	687.79	2.55	-0.46	13.52	100.29	
5452.97	0.00	72.05	5344.60	-651.43	668.51	2.00	-2.00	-29.52	-180.00	
7957.37	0.00	72.05	7849.00	-651.43	668.51	0.00	0.00	0.00	0.00	6-2X PBHL

Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4400.00	12.03	131.28	4303.93	-520.08	668.90	847.29	0.00	0.00	0.00	
4500.00	11.58	144.80	4401.82	-535.25	682.55	867.39	2.80	-0.46	13.52	
4600.00	11.12	158.32	4499.86	-552.50	691.91	885.39	2.69	-0.46	13.52	
4700.00	10.66	171.84	4598.06	-570.72	696.78	900.43	2.59	-0.46	13.52	
4800.00	10.21	185.36	4696.40	-588.79	697.24	911.91	2.49	-0.46	13.52	
4900.00	9.75	198.88	4794.89	-605.70	693.62	919.47	2.38	-0.46	13.52	
4984.55	9.37	210.32	4878.27	-618.45	687.79	922.72	2.29	-0.46	13.52	
5000.00	9.06	210.32	4893.52	-620.58	686.54	923.05	2.00	-2.00	0.00	
5100.00	7.06	210.32	4992.52	-632.68	679.47	924.92	2.00	-2.00	0.00	
5200.00	5.06	210.32	5091.96	-641.80	674.14	926.33	2.00	-2.00	0.00	
5300.00	3.06	210.32	5191.70	-647.91	670.57	927.27	2.00	-2.00	0.00	
5400.00	1.06	210.31	5291.63	-651.01	668.75	927.75	2.00	-2.00	0.00	
5452.97	0.00	72.05	5344.60	-651.43	668.51	927.82	2.00	-2.00	-261.03	
5500.00	0.00	72.05	5391.63	-651.43	668.51	927.82	0.00	0.00	0.00	
5600.00	0.00	72.05	5491.63	-651.43	668.51	927.82	0.00	0.00	0.00	
5700.00	0.00	72.05	5591.63	-651.43	668.51	927.82	0.00	0.00	0.00	
5800.00	0.00	72.05	5691.63	-651.43	668.51	927.82	0.00	0.00	0.00	