

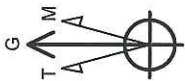
Continental Resources

Field: Weld County, Co. (NAD 83)
 Site: Marconi
 Well: 1-1H
 Wellpath: OH
 Plan: Plan #1

SITE DETAILS

Marconi
 Sec. 1-17N-82W
 504' FN: & 660' FEL
 Northing: 1467121.02
 Easting: 3343892.75
 Ground Level: 4917.00
 KB: 16.00

Azimuths to Grid North
 True North: -0.80°
 Magnetic North: 7.82°
 Magnetic Field
 Strength: 53342nT
 Dip Angle: 67.31°
 Date: 5/19/2011
 Model: IGRF-2010



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	6116.54	0.00	0.00	6116.54	0.00	0.00	0.00	0.00	-0.00	
3	6868.96	90.29	180.08	6594.00	-479.88	-0.68	12.00	180.08	479.88	PBHL
4	15764.86	90.29	180.08	6549.00	-9375.66	-13.20	0.00	0.00	9375.67	PBHL

TARGET DETAILS

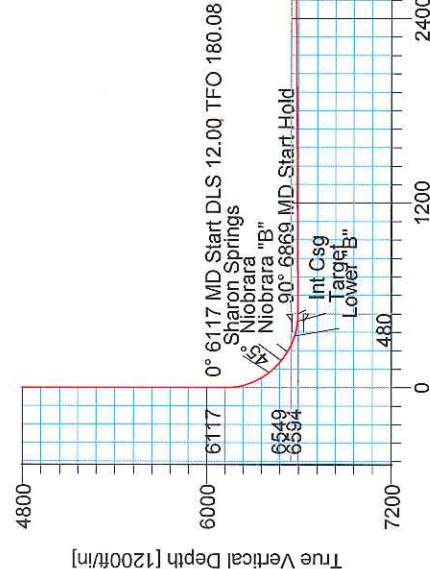
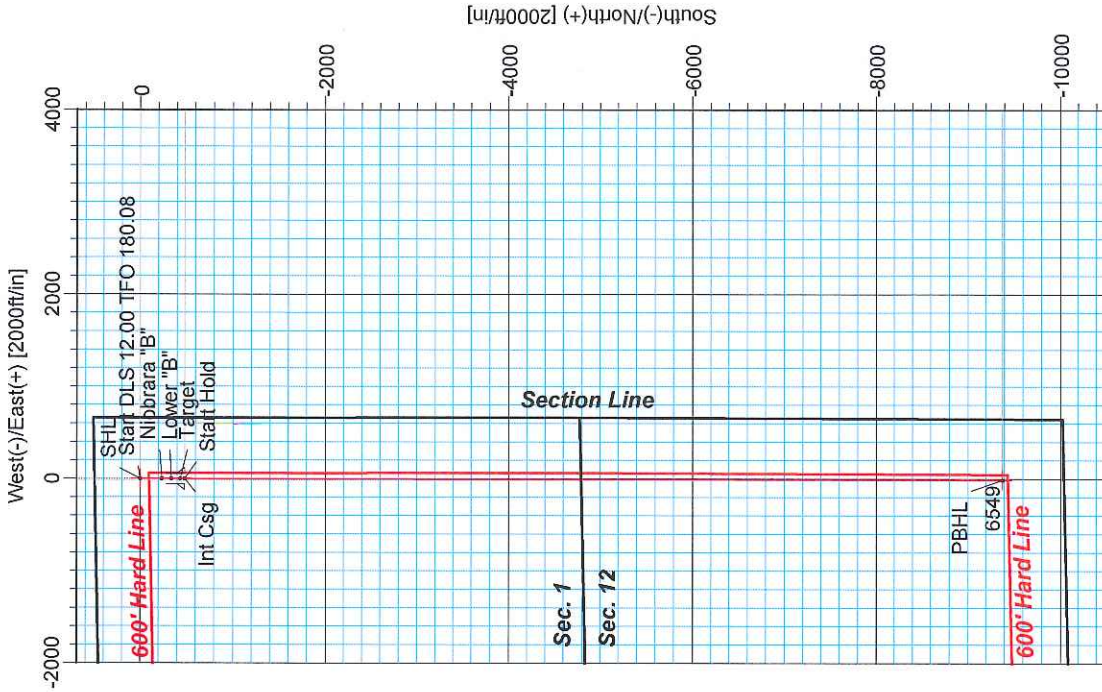
Name	TVD	+N/-S	+E/-W	North	Easting	Latitude	Longitude	Shape
SHL	0.00	0.00	0.00	1467121.02	3343892.75	40°36'32.558N 104°15'41.065W	Point	
PBHL	6549.00	-9375.66	-13.20	1457745.36	3343879.55	40°34'59.923N 104°15'42.934W	Point	

CASING DETAILS

No.	TVD	MD	Name	Int Csg	Size
1	6594.00	6868.96	Int Csg		0.000

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	1603.00	1603.00	Pierre
2	3499.00	3499.00	Laramie
3	6408.00	6430.05	Sharon Springs
4	6487.11	6540.76	Niobrara
5	6526.82	6610.18	Niobrara "B"
6	6572.30	6722.03	Lower "B"
7	6591.81	6820.69	Target



LEAM DRILLING SYSTEMS, INC.
 2010 East Davis, Conroe, Texas 77301
 Phone: 936-756-7577 Fax: 936-756-7595

Plan: Plan #1 (1-HCH)
 Created By: Justin Andue
 Date: 5/19/2011
 Checked: _____
 Reviewed: _____
 Approved: _____

LEAM Drilling Systems, Inc.

Planning Report

Company: Continental Resources	Date: 5/19/2011	Time: 11:13:56	Page: 1
Field: Weld County, Co. (NAD 83)	Co-ordinate(NE) Reference: Well: 1-1H, Grid North		
Site: Marconi	Vertical (TVD) Reference: GL 4917'+KB 16" 4933.0		
Well: 1-1H	Section (VS) Reference: Well (0.00N,0.00E,180.08Azi)		
Wellpath: OH	Survey Calculation Method: Minimum Curvature	Db: Adapti	

Field: Weld County, Co. (NAD 83)

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

Site: Marconi
 Sec. 1-T7N-62W
 504' FN: & 660' FEL

Site Position:	Northing: 1467121.02 ft	Latitude: 40 36 32.558 N
From: Map	Easting: 3343892.75 ft	Longitude: 104 15 41.065 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 4917.00 ft		Grid Convergence: 0.80 deg

Well: 1-1H

Slot Name:

Well Position:	+N/-S 0.00 ft	Northing: 1467121.02 ft	Latitude: 40 36 32.558 N
	+E/-W 0.00 ft	Easting: 3343892.75 ft	Longitude: 104 15 41.065 W
Position Uncertainty: 0.00 ft			

Wellpath: OH

Current Datum: GL 4917'+KB 16"	Height 4933.00 ft	Drilled From: Surface
Magnetic Data: 5/19/2011		Tie-on Depth: 0.00 ft
Field Strength: 53342 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S ft	Declination: 8.62 deg
		Mag Dip Angle: 67.31 deg
		+E/-W ft
		Direction deg
6549.00	0.00	0.00 180.08

Plan: Plan #1

Date Composed: 5/19/2011
Version: 1
Tied-to: User Defined

Principal: No

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6116.54	0.00	0.00	6116.54	0.00	0.00	0.00	0.00	0.00	0.00	
6868.96	90.29	180.08	6594.00	-479.88	-0.68	12.00	12.00	-23.91	180.08	
15764.86	90.29	180.08	6549.00	-9375.66	-13.20	0.00	0.00	0.00	0.00	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
6116.54	0.00	0.00	6116.54	0.00	0.00	-0.00	0.00	0.00	0.00	
6125.00	1.02	180.08	6125.00	-0.07	0.00	0.07	12.00	12.00	0.00	
6150.00	4.02	180.08	6149.97	-1.17	0.00	1.17	12.00	12.00	0.00	
6175.00	7.02	180.08	6174.85	-3.57	-0.01	3.57	12.00	12.00	0.00	
6200.00	10.02	180.08	6199.58	-7.28	-0.01	7.28	12.00	12.00	0.00	
6225.00	13.02	180.08	6224.07	-12.27	-0.02	12.27	12.00	12.00	0.00	
6250.00	16.02	180.08	6248.27	-18.53	-0.03	18.53	12.00	12.00	0.00	
6275.00	19.02	180.08	6272.11	-26.05	-0.04	26.05	12.00	12.00	0.00	
6300.00	22.02	180.08	6295.52	-34.81	-0.05	34.81	12.00	12.00	0.00	
6325.00	25.02	180.08	6318.44	-44.79	-0.06	44.79	12.00	12.00	0.00	
6350.00	28.02	180.08	6340.81	-55.95	-0.08	55.95	12.00	12.00	0.00	
6375.00	31.02	180.08	6362.56	-68.26	-0.10	68.26	12.00	12.00	0.00	
6400.00	34.02	180.08	6383.64	-81.70	-0.12	81.70	12.00	12.00	0.00	
6425.00	37.02	180.08	6403.99	-96.22	-0.14	96.22	12.00	12.00	0.00	
6430.05	37.62	180.08	6408.00	-99.28	-0.14	99.28	12.00	12.00	0.00	Sharon Springs
6450.00	40.02	180.08	6423.55	-111.79	-0.16	111.79	12.00	12.00	0.00	
6475.00	43.02	180.08	6442.26	-128.36	-0.18	128.36	12.00	12.00	0.00	

LEAM Drilling Systems, Inc.

Planning Report

Company: Continental Resources	Date: 5/19/2011	Time: 11:13:56	Page: 2
Field: Weld County, Co. (NAD 83)	Co-ordinate(NE) Reference: Well: 1-1H, Grid North		
Site: Marconi	Vertical (TVD) Reference: GL 4917+KB 16" 4933.0		
Well: 1-1H	Section (VS) Reference: Well (0.00N,0.00E,180.08Azi)		
Wellpath: OH	Survey Calculation Method: Minimum Curvature	Db: Adapti	

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
6500.00	46.02	180.08	6460.09	-145.88	-0.21	145.88	12.00	12.00	0.00	
6525.00	49.02	180.08	6476.97	-164.32	-0.23	164.32	12.00	12.00	0.00	
6540.76	50.91	180.08	6487.11	-176.38	-0.25	176.38	12.00	12.00	0.00	Niobrara
6550.00	52.02	180.08	6492.87	-183.61	-0.26	183.61	12.00	12.00	0.00	
6575.00	55.02	180.08	6507.73	-203.71	-0.29	203.71	12.00	12.00	0.00	
6600.00	58.02	180.08	6521.52	-224.55	-0.32	224.55	12.00	12.00	0.00	
6610.18	59.24	180.08	6526.82	-233.24	-0.33	233.24	12.00	12.00	0.00	Niobrara "B"
6625.00	61.02	180.08	6534.20	-246.10	-0.35	246.10	12.00	12.00	0.00	
6650.00	64.02	180.08	6545.74	-268.27	-0.38	268.27	12.00	12.00	0.00	
6675.00	67.02	180.08	6556.10	-291.02	-0.41	291.02	12.00	12.00	0.00	
6700.00	70.02	180.08	6565.25	-314.28	-0.44	314.28	12.00	12.00	0.00	
6722.03	72.66	180.08	6572.30	-335.15	-0.47	335.15	12.00	12.00	0.00	Lower "B"
6725.00	73.02	180.08	6573.18	-337.99	-0.48	337.99	12.00	12.00	0.00	
6750.00	76.02	180.08	6579.85	-362.08	-0.51	362.08	12.00	12.00	0.00	
6775.00	79.02	180.08	6585.26	-386.48	-0.54	386.48	12.00	12.00	0.00	
6800.00	82.02	180.08	6589.38	-411.14	-0.58	411.14	12.00	12.00	0.00	
6820.69	84.50	180.08	6591.81	-431.68	-0.61	431.68	12.00	12.00	0.00	Target
6825.00	85.02	180.08	6592.20	-435.98	-0.61	435.98	12.00	12.00	0.00	
6850.00	88.02	180.08	6593.72	-460.93	-0.65	460.93	12.00	12.00	0.00	
6868.96	90.29	180.08	6594.00	-479.88	-0.68	479.88	12.00	12.00	0.00	Int Csg
6900.00	90.29	180.08	6593.84	-510.92	-0.72	510.92	0.00	0.00	0.00	
7000.00	90.29	180.08	6593.34	-610.92	-0.86	610.92	0.00	0.00	0.00	
7100.00	90.29	180.08	6592.83	-710.92	-1.00	710.92	0.00	0.00	0.00	
7200.00	90.29	180.08	6592.32	-810.92	-1.14	810.92	0.00	0.00	0.00	
7300.00	90.29	180.08	6591.82	-910.92	-1.28	910.92	0.00	0.00	0.00	
7400.00	90.29	180.08	6591.31	-1010.92	-1.42	1010.92	0.00	0.00	0.00	
7500.00	90.29	180.08	6590.81	-1110.92	-1.56	1110.92	0.00	0.00	0.00	
7600.00	90.29	180.08	6590.30	-1210.91	-1.71	1210.92	0.00	0.00	0.00	
7700.00	90.29	180.08	6589.79	-1310.91	-1.85	1310.91	0.00	0.00	0.00	
7800.00	90.29	180.08	6589.29	-1410.91	-1.99	1410.91	0.00	0.00	0.00	
7900.00	90.29	180.08	6588.78	-1510.91	-2.13	1510.91	0.00	0.00	0.00	
8000.00	90.29	180.08	6588.28	-1610.91	-2.27	1610.91	0.00	0.00	0.00	
8100.00	90.29	180.08	6587.77	-1710.91	-2.41	1710.91	0.00	0.00	0.00	
8200.00	90.29	180.08	6587.27	-1810.91	-2.55	1810.91	0.00	0.00	0.00	
8300.00	90.29	180.08	6586.76	-1910.90	-2.69	1910.91	0.00	0.00	0.00	
8400.00	90.29	180.08	6586.25	-2010.90	-2.83	2010.91	0.00	0.00	0.00	
8500.00	90.29	180.08	6585.75	-2110.90	-2.97	2110.90	0.00	0.00	0.00	
8600.00	90.29	180.08	6585.24	-2210.90	-3.11	2210.90	0.00	0.00	0.00	
8700.00	90.29	180.08	6584.74	-2310.90	-3.25	2310.90	0.00	0.00	0.00	
8800.00	90.29	180.08	6584.23	-2410.90	-3.40	2410.90	0.00	0.00	0.00	
8900.00	90.29	180.08	6583.72	-2510.90	-3.54	2510.90	0.00	0.00	0.00	
9000.00	90.29	180.08	6583.22	-2610.89	-3.68	2610.90	0.00	0.00	0.00	
9100.00	90.29	180.08	6582.71	-2710.89	-3.82	2710.90	0.00	0.00	0.00	
9200.00	90.29	180.08	6582.21	-2810.89	-3.96	2810.89	0.00	0.00	0.00	
9300.00	90.29	180.08	6581.70	-2910.89	-4.10	2910.89	0.00	0.00	0.00	
9400.00	90.29	180.08	6581.20	-3010.89	-4.24	3010.89	0.00	0.00	0.00	
9500.00	90.29	180.08	6580.69	-3110.89	-4.38	3110.89	0.00	0.00	0.00	
9600.00	90.29	180.08	6580.18	-3210.89	-4.52	3210.89	0.00	0.00	0.00	
9700.00	90.29	180.08	6579.68	-3310.89	-4.66	3310.89	0.00	0.00	0.00	
9800.00	90.29	180.08	6579.17	-3410.88	-4.80	3410.89	0.00	0.00	0.00	
9900.00	90.29	180.08	6578.67	-3510.88	-4.94	3510.89	0.00	0.00	0.00	
10000.00	90.29	180.08	6578.16	-3610.88	-5.09	3610.88	0.00	0.00	0.00	
10100.00	90.29	180.08	6577.65	-3710.88	-5.23	3710.88	0.00	0.00	0.00	

LEAM Drilling Systems, Inc.

Planning Report

Company: Continental Resources
Field: Weld County, Co. (NAD 83)
Site: Marconi
Well: 1-1H
Wellpath: OH

Date: 5/19/2011 **Time:** 11:13:56 **Page:** 3
Co-ordinate(NE) Reference: Well: 1-1H, Grid North
Vertical (TVD) Reference: GL 4917+KB 16" 4933.0
Section (VS) Reference: Well (0.00N,0.00E,180.08Azi)
Survey Calculation Method: Minimum Curvature **Db:** Adapti

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
10200.00	90.29	180.08	6577.15	-3810.88	-5.37	3810.88	0.00	0.00	0.00	
10300.00	90.29	180.08	6576.64	-3910.88	-5.51	3910.88	0.00	0.00	0.00	
10400.00	90.29	180.08	6576.14	-4010.88	-5.65	4010.88	0.00	0.00	0.00	
10500.00	90.29	180.08	6575.63	-4110.87	-5.79	4110.88	0.00	0.00	0.00	
10600.00	90.29	180.08	6575.13	-4210.87	-5.93	4210.88	0.00	0.00	0.00	
10700.00	90.29	180.08	6574.62	-4310.87	-6.07	4310.88	0.00	0.00	0.00	
10800.00	90.29	180.08	6574.11	-4410.87	-6.21	4410.87	0.00	0.00	0.00	
10900.00	90.29	180.08	6573.61	-4510.87	-6.35	4510.87	0.00	0.00	0.00	
11000.00	90.29	180.08	6573.10	-4610.87	-6.49	4610.87	0.00	0.00	0.00	
11100.00	90.29	180.08	6572.60	-4710.87	-6.63	4710.87	0.00	0.00	0.00	
11200.00	90.29	180.08	6572.09	-4810.86	-6.78	4810.87	0.00	0.00	0.00	
11300.00	90.29	180.08	6571.58	-4910.86	-6.92	4910.87	0.00	0.00	0.00	
11400.00	90.29	180.08	6571.08	-5010.86	-7.06	5010.87	0.00	0.00	0.00	
11500.00	90.29	180.08	6570.57	-5110.86	-7.20	5110.87	0.00	0.00	0.00	
11600.00	90.29	180.08	6570.07	-5210.86	-7.34	5210.86	0.00	0.00	0.00	
11700.00	90.29	180.08	6569.56	-5310.86	-7.48	5310.86	0.00	0.00	0.00	
11800.00	90.29	180.08	6569.06	-5410.86	-7.62	5410.86	0.00	0.00	0.00	
11900.00	90.29	180.08	6568.55	-5510.85	-7.76	5510.86	0.00	0.00	0.00	
12000.00	90.29	180.08	6568.04	-5610.85	-7.90	5610.86	0.00	0.00	0.00	
12100.00	90.29	180.08	6567.54	-5710.85	-8.04	5710.86	0.00	0.00	0.00	
12200.00	90.29	180.08	6567.03	-5810.85	-8.18	5810.86	0.00	0.00	0.00	
12300.00	90.29	180.08	6566.53	-5910.85	-8.32	5910.86	0.00	0.00	0.00	
12400.00	90.29	180.08	6566.02	-6010.85	-8.47	6010.85	0.00	0.00	0.00	
12500.00	90.29	180.08	6565.51	-6110.85	-8.61	6110.85	0.00	0.00	0.00	
12600.00	90.29	180.08	6565.01	-6210.85	-8.75	6210.85	0.00	0.00	0.00	
12700.00	90.29	180.08	6564.50	-6310.84	-8.89	6310.85	0.00	0.00	0.00	
12800.00	90.29	180.08	6564.00	-6410.84	-9.03	6410.85	0.00	0.00	0.00	
12900.00	90.29	180.08	6563.49	-6510.84	-9.17	6510.85	0.00	0.00	0.00	
13000.00	90.29	180.08	6562.99	-6610.84	-9.31	6610.85	0.00	0.00	0.00	
13100.00	90.29	180.08	6562.48	-6710.84	-9.45	6710.85	0.00	0.00	0.00	
13200.00	90.29	180.08	6561.97	-6810.84	-9.59	6810.84	0.00	0.00	0.00	
13300.00	90.29	180.08	6561.47	-6910.84	-9.73	6910.84	0.00	0.00	0.00	
13400.00	90.29	180.08	6560.96	-7010.83	-9.87	7010.84	0.00	0.00	0.00	
13500.00	90.29	180.08	6560.46	-7110.83	-10.01	7110.84	0.00	0.00	0.00	
13600.00	90.29	180.08	6559.95	-7210.83	-10.16	7210.84	0.00	0.00	0.00	
13700.00	90.29	180.08	6559.44	-7310.83	-10.30	7310.84	0.00	0.00	0.00	
13800.00	90.29	180.08	6558.94	-7410.83	-10.44	7410.84	0.00	0.00	0.00	
13900.00	90.29	180.08	6558.43	-7510.83	-10.58	7510.83	0.00	0.00	0.00	
14000.00	90.29	180.08	6557.93	-7610.83	-10.72	7610.83	0.00	0.00	0.00	
14100.00	90.29	180.08	6557.42	-7710.82	-10.86	7710.83	0.00	0.00	0.00	
14200.00	90.29	180.08	6556.92	-7810.82	-11.00	7810.83	0.00	0.00	0.00	
14300.00	90.29	180.08	6556.41	-7910.82	-11.14	7910.83	0.00	0.00	0.00	
14400.00	90.29	180.08	6555.90	-8010.82	-11.28	8010.83	0.00	0.00	0.00	
14500.00	90.29	180.08	6555.40	-8110.82	-11.42	8110.83	0.00	0.00	0.00	
14600.00	90.29	180.08	6554.89	-8210.82	-11.56	8210.83	0.00	0.00	0.00	
14700.00	90.29	180.08	6554.39	-8310.82	-11.70	8310.82	0.00	0.00	0.00	
14800.00	90.29	180.08	6553.88	-8410.82	-11.85	8410.82	0.00	0.00	0.00	
14900.00	90.29	180.08	6553.37	-8510.81	-11.99	8510.82	0.00	0.00	0.00	
15000.00	90.29	180.08	6552.87	-8610.81	-12.13	8610.82	0.00	0.00	0.00	
15100.00	90.29	180.08	6552.36	-8710.81	-12.27	8710.82	0.00	0.00	0.00	
15200.00	90.29	180.08	6551.86	-8810.81	-12.41	8810.82	0.00	0.00	0.00	
15300.00	90.29	180.08	6551.35	-8910.81	-12.55	8910.82	0.00	0.00	0.00	

LEAM Drilling Systems, Inc.

Planning Report

Company: Continental Resources Field: Weld County, Co. (NAD 83) Site: Marconi Well: 1-1H Wellpath: OH	Date: 5/19/2011 Time: 11:13:56 Page: 4 Co-ordinate(NE) Reference: Well: 1-1H, Grid North Vertical (TVD) Reference: GL 4917'+KB 16" 4933.0 Section (VS) Reference: Well (0.00N,0.00E,180.08Azi) Survey Calculation Method: Minimum Curvature Db: Adapti
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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
15400.00	90.29	180.08	6550.85	-9010.81	-12.69	9010.82	0.00	0.00	0.00	
15500.00	90.29	180.08	6550.34	-9110.81	-12.83	9110.81	0.00	0.00	0.00	
15600.00	90.29	180.08	6549.83	-9210.80	-12.97	9210.81	0.00	0.00	0.00	
15700.00	90.29	180.08	6549.33	-9310.80	-13.11	9310.81	0.00	0.00	0.00	
15764.86	90.29	180.08	6549.00	-9375.66	-13.20	9375.67	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
SHL			0.00	0.00	0.00	1467121.02	3343892.75	40	36	32.558 N	104	15	41.065 W
PBHL			6549.00	-9375.66	-13.20	1457745.36	3343879.55	40	34	59.923 N	104	15	42.934 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
6868.96	6594.00	0.000	0.000	Int Csg

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
1603.00	1603.00	Pierre		0.00	0.00
3499.00	3499.00	Laramie		0.00	0.00
6430.05	6408.00	Sharon Springs		0.00	0.00
6540.76	6487.11	Niobrara		-0.29	180.08
6610.18	6526.82	Niobrara "B"		-0.29	180.08
6722.03	6572.30	Lower "B"		-0.29	180.08
6820.69	6591.81	Target		-0.29	180.08