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NOV 28 2012

BOPCO WTD PRODUCTION



Weatherford

Evaluation, Drilling & Intervention

10000 West County Rd. 116

P.O. Box 61028

Midland, TX USA 79711

Tel. (432) 561-8892 Fax (432) 561-8895

BOPCO, LP
PO Box 2760
Midland, TX 79702

Date: November 20, 2012

30-015-39919

RECEIVED

DEC 04 2012

NMOCD ARTESIA

Attention: Stephen Ordoyne

Re: BOPCO, LP
Well: Poker Lake Unit 412H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Chris Hinterlach MWD Supervisor	412H	7468' MD 14950' MD	07/18/2012 08/21/2012	Measurement While Drilling

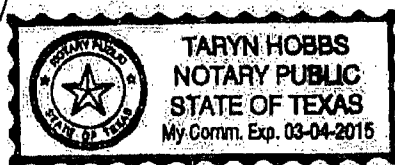
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Daniel Rodriguez
MWD Ops Coordinator

On this, the 20th day of November, 2012, before me a notary public, the undersigned officer, personally appeared Daniel Rodriguez, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public



Weatherford

WFT Survey Report X & Y's



Weatherford

Company: BOPCO, L.P. Field: Eddy County, NM (Nad 27) Site: Poker Lake Unit 412H Well: PLU 412H Wellpath: 1	Date: 8/21/2012 Time: 04:06:52 Page: 1 Co-ordinate(NE) Reference: Well: PLU 412H, Grd North Vertical (TVD) Reference: SITE 3507.0 Section (VS) Reference: Well (0.00N,0.00E,136.29Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey: Wft Svy Company: Weatherford Tool: MWD/MWD - Standard	Start Date: 7/30/2012 Engineer: Russell W. Joyner Tied-to: User Defined
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Field: Eddy County, NM (Nad 27)

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: IGRF2010

Site: Poker Lake Unit 412H

Site Position:	Northing: 433321.50 ft	Latitude: 32 11 24.423 N
From: Map	Easting: 670448.61 ft	Longitude: 103 46 56.473 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3485.00 ft		Grid Convergence: 0.29 deg

Well: PLU 412H Well Position: +N/-S 0.00 ft Position Uncertainty: +E/-W 0.00 ft	Slot Name: Northing: 433321.50 ft Easting: 670448.61 ft Latitude: 32 11 24.423 N Longitude: 103 46 56.473 W
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Wellpath: 1 Current Datum: SITE Magnetic Data: 8/15/2012 Field Strength: 48481 nT Vertical Section: Depth From (TVD)	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 7.54 deg Mag Dip Angle: 60.09 deg +E/-W Direction deg <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">0.00</td> <td style="width: 33%;">0.00</td> <td style="width: 33%;">0.00</td> </tr> <tr> <td></td> <td></td> <td>136.29</td> </tr> </table>	0.00	0.00	0.00			136.29
0.00	0.00	0.00					
		136.29					

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
7460.70	1.38	157.96	7458.09	-3.18	-4.99	0.00	-1.15	433318.32	670443.62	Tie On VES
7468.00	1.21	148.60	7465.39	-3.33	-4.91	4.21	-0.99	433318.17	670443.70	First Wft Svy
7500.00	1.20	135.35	7497.38	-3.85	-4.49	0.74	-0.32	433317.65	670444.12	
7531.00	4.28	130.55	7528.34	-4.83	-3.39	9.95	1.15	433316.67	670445.22	
7562.00	7.65	129.63	7559.17	-8.90	-0.92	10.87	4.35	433314.60	670447.69	
7594.00	10.85	129.29	7590.75	-10.16	3.06	10.00	9.46	433311.34	670451.67	
7626.00	14.30	131.89	7621.98	-14.71	8.33	10.92	16.39	433308.79	670456.94	
7657.00	17.88	134.95	7651.76	-20.63	14.55	11.86	24.97	433300.87	670463.16	
7689.00	21.03	134.17	7681.93	-28.11	22.15	9.88	35.62	433293.39	670470.76	
7720.00	24.08	134.71	7710.56	-36.43	30.63	9.86	47.50	433285.07	670479.24	
7751.00	26.66	135.03	7738.56	-45.80	40.04	8.33	60.78	433275.70	670488.65	
7783.00	28.80	134.93	7766.89	-56.33	50.58	6.69	75.67	433265.17	670499.19	
7815.00	31.79	134.51	7794.51	-67.68	62.05	9.37	91.80	433253.82	670510.66	
7846.00	34.89	134.56	7820.41	-79.63	74.19	10.00	108.83	433241.87	670522.80	
7878.00	37.90	134.65	7846.16	-92.96	87.71	9.41	127.80	433228.54	670536.32	
7909.00	41.23	135.92	7870.06	-107.00	101.59	11.05	147.54	433214.50	670550.20	
7941.00	44.27	136.53	7893.55	-122.68	116.61	9.59	169.26	433198.82	670565.22	
7973.00	47.35	136.59	7915.86	-139.34	132.39	9.63	192.20	433182.16	670581.00	
8004.00	50.32	136.38	7936.26	-156.26	148.46	8.59	215.54	433165.24	670597.07	
8035.00	53.24	136.38	7955.44	-173.89	165.26	9.42	239.89	433147.61	670613.87	
8067.00	56.25	136.36	7973.91	-192.80	183.29	9.41	266.02	433128.70	670631.90	
8098.00	58.68	136.26	7990.58	-211.70	201.34	7.84	292.15	433109.80	670649.95	
8130.00	59.40	135.67	8007.04	-231.43	220.41	2.75	319.59	433090.07	670669.02	
8161.00	59.73	135.45	8022.74	-250.51	239.13	1.23	346.32	433070.99	670687.74	

Weatherford

WFT Survey Report X & Y's



Company: BOPCO, L.P.
Field: Eddy County, NM (Nad 27)
Site: Poker Lake Unit 412H
Well: PLU 412H
Wellpath: 1

Date: 8/21/2012 Time: 04:06:52 Page: 2
Co-ordinate(NE) Reference: Well: PLU 412H, Grid North
Vertical (TVD) Reference: SITE 3507.0
Section (VS) Reference: Well (0.00N, 0.00E, 136.29Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
8193.00	59.92	135.47	8038.83	-270.23	258.53	0.60	373.98	433051.27	670707.14	
8214.00	60.02	135.62	8049.34	-283.21	271.26	0.78	392.16	433038.29	670719.87	
8260.00	61.04	136.32	8071.97	-312.00	299.09	2.58	432.20	433009.50	670747.70	7"
8283.00	61.55	136.67	8083.01	-326.63	312.98	2.58	452.38	432994.87	670761.59	
8302.00	60.75	136.32	8092.18	-338.70	324.44	4.51	468.02	432982.80	670773.05	
8333.00	63.49	136.40	8106.68	-358.53	343.35	8.84	496.42	432962.97	670791.96	
8364.00	65.55	136.44	8120.01	-378.80	362.64	6.65	524.40	432942.70	670811.25	
8395.00	67.57	136.27	8132.34	-399.38	382.27	8.54	552.84	432922.12	670830.88	
8426.00	70.92	136.66	8143.33	-420.40	402.23	10.87	581.83	432901.10	670850.84	
8457.00	75.26	136.18	8152.34	-441.88	422.67	14.08	611.48	432879.62	670871.28	
8488.00	80.06	135.76	8158.96	-463.64	443.72	15.54	641.75	432857.86	670892.33	
8519.00	86.64	135.47	8162.55	-485.63	465.24	21.25	672.53	432835.87	670913.85	
8550.00	88.88	135.90	8163.76	-507.80	488.88	7.36	703.50	432813.70	670935.49	
8581.00	90.70	135.21	8163.88	-529.93	508.59	6.28	734.49	432791.57	670957.20	
8672.00	90.31	136.62	8163.08	-595.29	571.89	1.61	825.49	432726.21	671020.50	
8765.00	90.06	136.88	8162.78	-663.03	635.61	0.39	918.48	432658.47	671084.22	
8858.00	88.89	136.06	8163.63	-730.45	699.66	1.54	1011.47	432591.05	671148.27	
8951.00	90.88	136.17	8163.98	-797.47	764.13	1.93	1104.47	432524.03	671212.74	
9044.00	90.44	136.12	8163.07	-864.53	828.56	0.26	1197.47	432456.97	671277.17	
9138.00	90.25	135.15	8162.50	-931.73	894.28	1.05	1291.46	432389.77	671342.89	
9231.00	88.58	134.39	8163.45	-997.22	960.30	1.97	1384.41	432324.28	671408.91	
9325.00	91.48	134.68	8163.40	-1063.14	1027.30	3.10	1478.36	432258.36	671475.91	
9417.00	90.00	133.83	8162.21	-1127.34	1093.19	1.86	1570.29	432194.16	671541.80	
9511.00	90.71	134.18	8161.63	-1192.64	1160.80	0.84	1664.21	432128.86	671609.41	
9604.00	90.79	134.36	8160.41	-1257.55	1227.38	0.21	1757.15	432063.95	671675.99	
9697.00	89.14	134.77	8160.47	-1322.81	1293.64	1.83	1850.10	431988.69	671742.25	
9790.00	91.66	135.42	8159.82	-1388.67	1359.28	2.80	1943.07	431932.83	671807.89	
9884.00	93.02	136.52	8155.98	-1456.19	1424.56	1.86	2036.99	431865.31	671873.17	
9977.00	93.21	137.05	8150.93	-1523.87	1488.15	0.60	2129.85	431797.63	671936.76	
10071.00	91.50	137.53	8147.07	-1592.88	1551.85	1.89	2223.75	431728.62	672000.46	
10164.00	88.83	136.79	8146.80	-1661.07	1615.08	2.98	2316.73	431660.43	672063.69	
10258.00	89.57	137.97	8148.11	-1730.23	1678.72	1.48	2410.70	431591.27	672127.33	
10351.00	90.62	139.83	8147.96	-1800.31	1739.85	2.30	2503.60	431521.19	672188.46	
10445.00	88.24	136.48	8148.89	-1870.31	1802.55	4.37	2597.52	431451.19	672251.16	
10538.00	90.49	140.15	8149.92	-1939.75	1864.38	4.63	2690.44	431381.75	672312.99	
10632.00	88.95	137.70	8150.38	-2010.60	1926.13	3.08	2784.33	431310.90	672374.74	
10725.00	88.70	136.66	8152.29	-2078.80	1989.33	1.15	2877.30	431242.70	672437.94	
10818.00	89.65	136.83	8153.63	-2146.53	2053.05	1.04	2970.28	431174.97	672501.66	
10911.00	89.14	136.78	8154.61	-2214.32	2116.70	0.55	3063.27	431107.18	672565.31	
11005.00	90.06	137.53	8155.27	-2283.24	2180.62	1.26	3157.26	431038.26	672629.23	
11098.00	87.88	136.12	8156.94	-2351.04	2244.24	2.79	3250.23	430970.46	672692.85	
11191.00	89.38	134.78	8159.16	-2417.30	2309.46	2.16	3343.19	430904.20	672758.07	
11284.00	92.59	132.96	8157.56	-2481.73	2376.48	3.97	3436.08	430839.77	672825.09	
11312.00	92.73	132.25	8156.27	-2500.66	2397.07	2.58	3463.99	430820.84	672845.68	
11405.00	92.12	132.07	8152.33	-2563.03	2465.95	0.68	3556.66	430758.47	672914.56	
11498.00	90.43	132.31	8150.26	-2625.47	2534.83	1.84	3649.40	430698.03	672983.44	
11593.00	89.72	133.61	8150.14	-2690.21	2604.35	1.56	3744.24	430631.29	673052.96	
11688.00	89.58	135.51	8150.71	-2755.46	2670.61	2.05	3837.19	430566.04	673119.22	
11779.00	90.35	134.51	8150.76	-2821.23	2736.36	1.36	3930.16	430500.27	673184.97	
11873.00	91.26	136.66	8149.44	-2888.36	2802.14	2.48	4024.14	430433.14	673250.75	
11966.00	90.28	136.71	8148.19	-2956.02	2865.93	1.06	4117.13	430365.48	673314.54	
12059.00	88.81	136.47	8148.93	-3023.57	2929.84	1.60	4210.12	430297.93	673378.45	

Weatherford

WFT Survey Report X & Y's



Weatherford

Company: BOPCO, L.P. Field: Eddy County, NM (Nad 27) Site: Poker Lake Unit 412H Well: PLU 412H Wellpath: 1	Date: 8/21/2012 Time: 04:06:52 Page: 3 Co-ordinate(NE) Reference: Well: PLU 412H, Grid North Vertical (TVD) Reference: SITE 3507.0 Section (VS) Reference: Well (0.00N/0.00E, 136.29Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
12153.00	89.58	137.76	8150.25	-3092.44	2993.80	1.60	4304.10	430229.06	673442.41	
12246.00	90.70	138.60	8150.02	-3161.75	3055.81	1.51	4397.05	430159.75	673504.42	
12339.00	88.81	136.97	8150.42	-3230.62	3118.29	2.68	4490.01	430090.88	673566.90	
12432.00	89.30	136.18	8151.95	-3298.15	3182.21	1.00	4582.99	430023.35	673630.82	
12525.00	90.28	136.62	8152.30	-3365.50	3246.34	1.16	4675.99	429956.00	673694.95	
12619.00	91.19	137.45	8151.09	-3434.28	3310.40	1.31	4769.97	429887.22	673759.01	
12713.00	90.00	137.26	8150.11	-3503.42	3374.08	1.28	4863.95	429818.08	673822.69	
12807.00	89.16	137.61	8150.80	-3572.65	3437.66	0.97	4957.93	429748.85	673886.27	
12901.00	89.44	138.41	8151.95	-3642.51	3500.54	0.90	5051.88	429678.99	673949.15	
12995.00	88.32	136.93	8153.79	-3711.98	3563.82	1.97	5145.83	429609.52	674012.43	
13089.00	89.16	138.15	8155.86	-3781.31	3627.26	1.58	5239.78	429540.19	674075.87	
13183.00	89.30	138.26	8157.12	-3851.39	3689.91	0.19	5333.72	429470.11	674138.52	
13277.00	88.18	138.20	8159.19	-3921.48	3752.51	1.19	5427.64	429400.02	674201.12	
13371.00	89.09	137.81	8161.43	-3991.32	3815.38	1.05	5521.57	429330.18	674263.99	
13466.00	89.02	136.87	8162.99	-4061.17	3879.75	0.99	5616.54	429260.33	674328.36	
13559.00	90.70	137.41	8163.22	-4129.34	3943.00	1.90	5709.53	429192.16	674391.61	
13653.00	88.60	136.34	8163.79	-4197.94	4007.26	2.51	5803.51	429123.56	674455.87	
13746.00	88.46	136.37	8166.18	-4265.21	4071.42	0.15	5896.48	429056.29	674520.03	
13840.00	89.65	137.11	8167.73	-4333.66	4135.83	1.49	5990.47	428987.84	674584.44	
13930.00	90.28	139.19	8167.78	-4400.69	4195.87	2.41	6080.41	428920.81	674644.48	
14021.00	87.62	137.45	8169.45	-4468.64	4256.37	3.49	6171.33	428852.86	674704.98	
14112.00	89.65	139.22	8171.62	-4536.60	4316.84	2.96	6262.24	428784.90	674765.45	
14203.00	89.09	139.95	8172.62	-4605.88	4375.83	1.01	6353.08	428715.62	674824.44	
14295.00	89.44	135.39	8173.80	-4673.87	4437.76	4.97	6445.02	428647.63	674886.37	
14386.00	87.47	132.79	8176.25	-4737.15	4503.09	3.58	6535.91	428584.35	674951.70	
14477.00	88.95	134.29	8179.10	-4799.80	4569.02	2.32	6626.75	428521.70	675017.63	
14571.00	88.11	134.89	8181.51	-4865.77	4635.94	1.10	6720.68	428455.73	675084.55	
14666.00	90.98	134.13	8182.28	-4932.36	4703.68	3.13	6815.62	428389.14	675152.29	
14761.00	91.47	134.62	8180.23	-4998.78	4771.57	0.73	6910.55	428322.72	675220.18	
14855.00	90.56	134.80	8178.57	-5064.90	4838.36	0.99	7004.49	428256.60	675286.97	
14950.00	88.81	133.76	8179.09	-5131.22	4906.37	2.14	7099.43	428190.28	675354.98	Last Wft Svy
15016.00	87.90	133.67	8180.98	-5176.82	4954.05	1.39	7165.33	428144.68	675402.66	Proj. To Bit

Annotation

MD ft	TVD ft	
7460.70	7458.09	Tie On VES
7468.00	7465.39	First Wft Svy
14950.00	8179.09	Last Wft Svy
15016.00	8180.98	Proj. To Bit

BOPCO, L.P.

**Poker Lake Unit 412H
Eddy Co, NM**

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	8581.00	90.70	135.21	8163.88	-529.93	508.59	0.00	0.00	734.49	
2	8699.02	90.42	136.36	8162.73	-614.50	590.88	1.00	103.74	852.50	
3	10846.58	90.42	136.36	8147.00	-2168.54	2073.03	0.00	0.00	3000.00	Target A
4	10889.67	89.99	136.29	8146.84	-2199.71	2102.79	1.00	-171.01	3043.09	
5	12346.58	89.99	136.29	8147.00	-3252.81	3109.54	0.00	0.00	4500.00	Target B
6	12416.58	89.29	136.30	8147.44	-3303.42	3157.91	1.00	178.85	4570.00	
7	15059.40	89.29	136.30	8180.00	-5214.04	4983.54	0.00	0.00	7212.62	PBHL

FIELD DETAILS

Eddy County, NM (Nad 27)
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North

WELL DETAILS

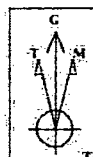
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
PLU 412H	0.00	0.00	433321.50	670448.61	32°11'24.423N	103°46'56.473W	N/A

SITE DETAILS

Poker Lake Unit 412H
Site Centre Northing: 433321.50
Easting: 670448.61
Ground Level: 3485.00
Positional Uncertainty: 0.00
Convergence: 0.29

TARGET DETAILS

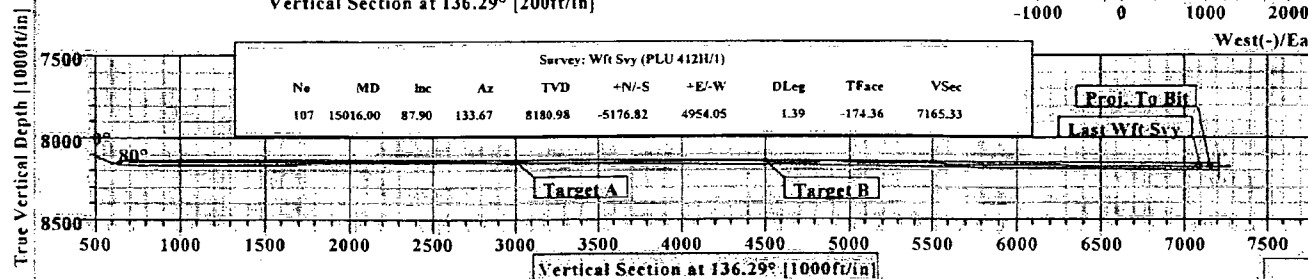
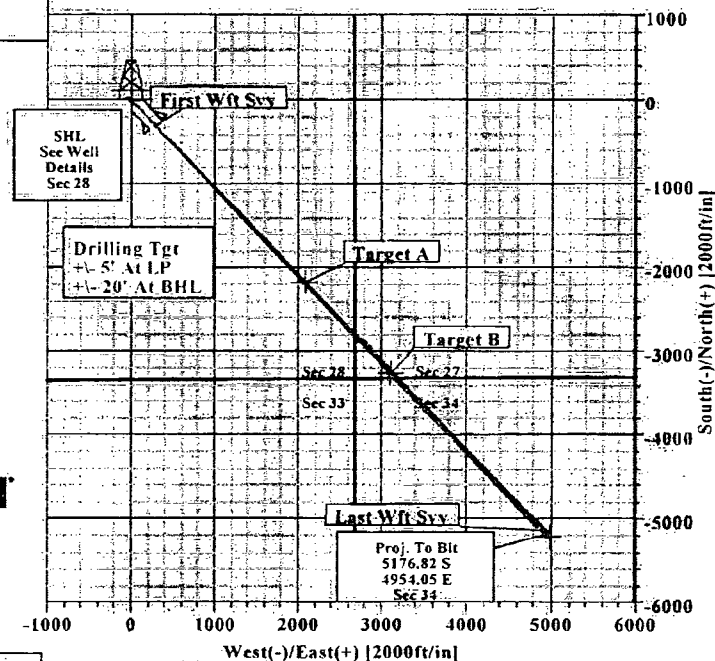
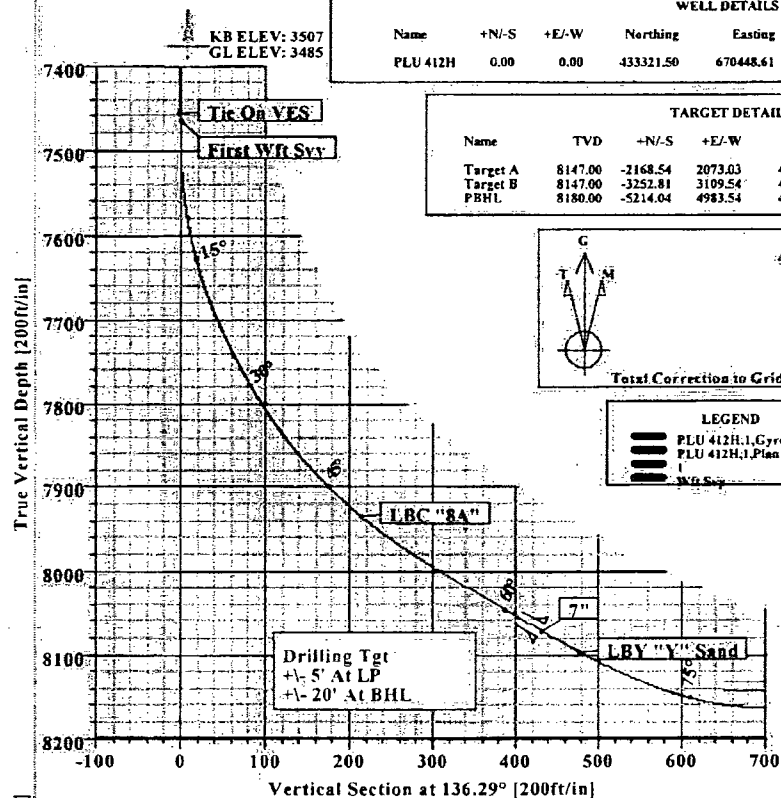
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Target A	8147.00	-2168.54	2073.03	431152.96	672521.64	Point
Target B	8147.00	-3252.81	3109.54	430068.69	673558.15	Point
PBHL	8180.00	-5214.04	4983.54	428107.46	675432.15	Point



Alignments to Grid North
True North: 0.29°
Magnetic North: 7.25°
Magnetic Field
Strength: 48.481aT
Dip Angle: 64.09°
Date: 8/15/2012
Model: IGRF2010
Total Correction to Grid North: 7.54°

LEGEND

PLU 412H, I.Gyro
PLU 412H, I. Plan #3
Wt Svy



Survey: Wt Svy (PLU 412H/I)
Created By: Russell W. Joyner
Date: 8/21/2012