



Weatherford

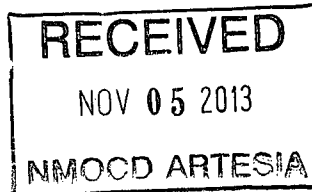
Evaluation, Drilling & Intervention

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: August 6, 2013

Attention: Brian Braun

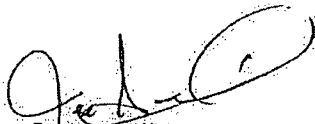
Re: BOPCO, LP
Well: Poker Lake Unit 395H
Eddy County, New Mexico

30-015-41075

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
Zack Snyder	395H	7074 MD	6/24/2013	Measurement
MWD Supervisor		14075' MD	7/19/2013	While Drilling

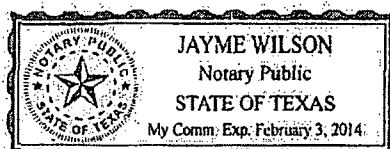
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jesse Aguilar
MWD Ops Coordinator

On this, the 6th day of August, 2013, before me a notary public, the undersigned officer, personally appeared Jesse Aguilar, 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



BOPCO, L.P.

**Poker Lake Unit 395H
Eddy Co, NM**

KB ELEV: 3479
GL ELEV: 3460

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	6961.60	0.46	198.89	6961.27	8.68	28.54	0.00	0.00	13.76	
2	6976.93	0.00	0.00	6976.60	8.62	28.52	3.00	180.00	13.79	
3	7413.98	0.00	0.00	7413.65	8.62	28.52	0.00	0.00	13.79	
4	8113.98	70.00	130.91	7952.05	-238.26	313.43	10.00	130.91	389.52	
5	8313.98	70.00	130.91	8020.46	-361.34	455.46	0.00	0.00	576.83	
6	8510.38	89.64	130.91	8055.00	-487.31	600.83	10.00	0.00	768.55	
7	9417.00	89.64	130.91	8060.70	-1081.02	1285.99	0.00	0.00	1672.12	
8	9573.78	89.64	135.61	8061.68	-1188.43	1400.12	3.00	89.97	1828.72	
9	14132.29	89.64	135.61	8090.00	-4446.05	4588.73	0.00	0.00	6387.15	PBHL

WELL DETAILS

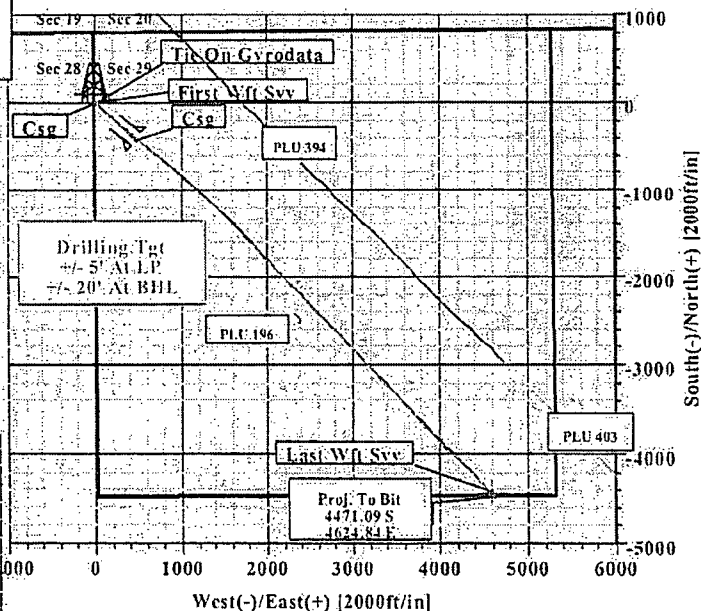
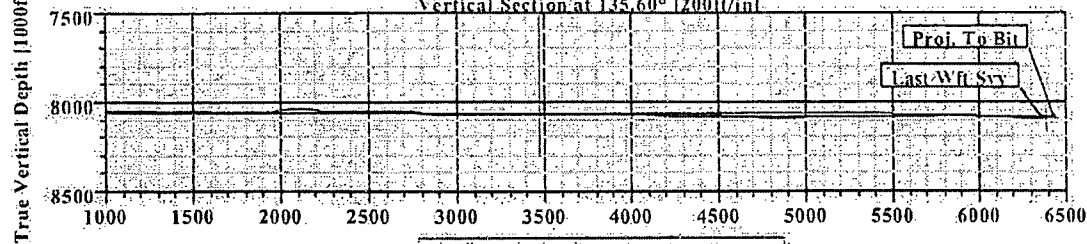
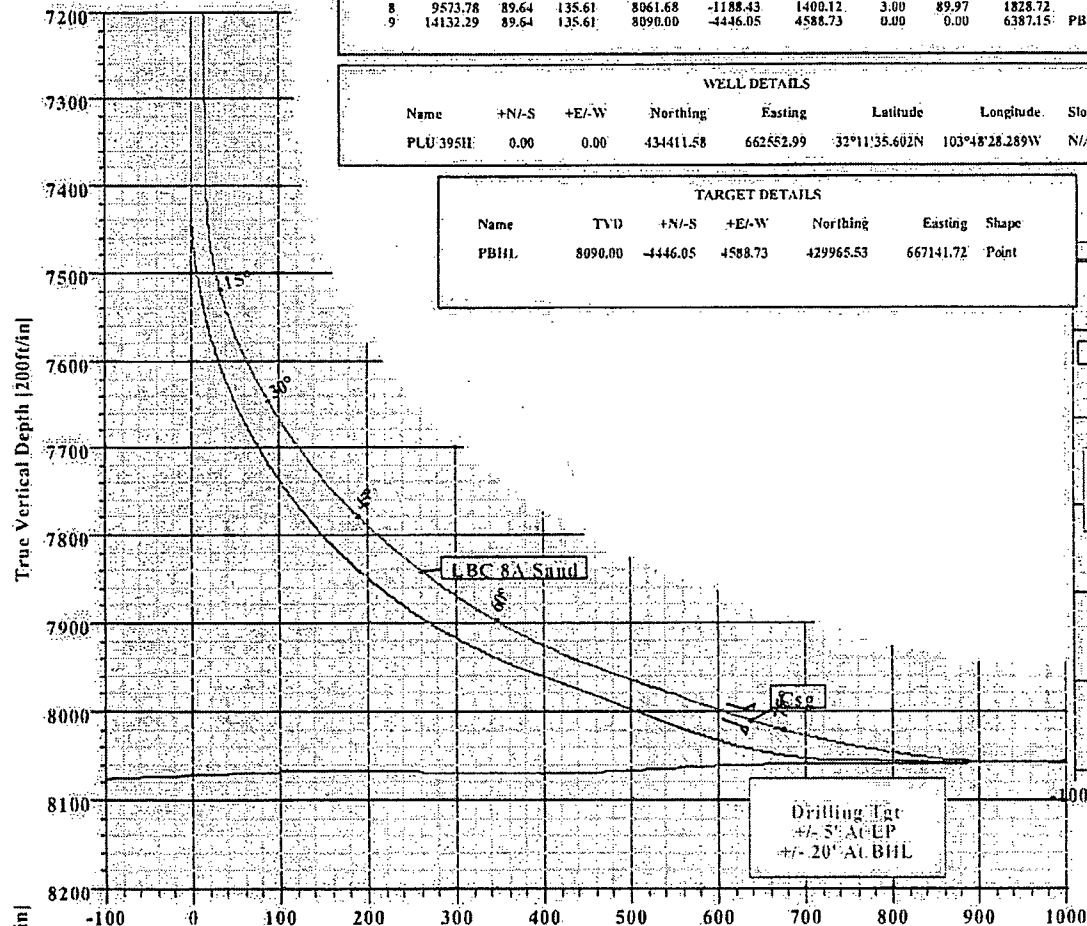
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
PLU 395H	0.00	0.00	434411.58	662552.99	32°11'35.602N	103°48'28.289W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8090.00	-4446.05	4588.73	429965.53	667141.72	Point

SITE DETAILS

Poker Lake Unit 395H
Site Centre Northing: 434411.58
Easting: 662552.99
Ground Level: 3460.00
Positional Uncertainty: 0.00
Convergence: 0.28



LEGEND

	PLU 395H, 1 Plan #1
	Exist. PLU 196 (1)
	PLU 394H (1)
	PLU 403H (1)
	Wft Svy



Survey: Wft Svy (PLU 395H/1)
Created By: Russell W. Joyner
Date: 7/19/2013



Weatherford

Company: BOPCO, L.P.

Field: Eddy County, NM (Nad 27)

Site: Poker Lake Unit 395H

Well: PLU 395H

Wellpath: 1

Date: 7/19/2013

Co-ordinate(NE) Reference: Well: PLU 395H, Grid North

Vertical (TVD) Reference: SITE 3479.0

Section (VS) Reference: Well (0.00N,0.00E,135.60Azi)

Survey Calculation Method: Minimum Curvature

Time: 07:14:20

Page: 1

Db: Sybase

Survey: Wft Svy

Start Date: 7/3/2013

Company: Weatherford

Engineer: Russell W. Joyner

Tool: MWD:MWD - Standard

Tied-to: User Defined

Site: Poker Lake Unit 395H

Site Position: Northing: 434411.58 ft Latitude: 32 11 35.602 N

From: Map Easting: 662552.99 ft Longitude: 103 48 28.289 W

Position Uncertainty: 0.00 ft North Reference: Grid

Ground Level: 3460.00 ft Grid Convergence: 0.28 deg

Well: PLU 395H

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 434411.58 ft Latitude: 32 11 35.602 N

+E/-W 0.00 ft Easting: 662552.99 ft Longitude: 103 48 28.289 W

Position Uncertainty: 0.00 ft

Wellpath: 1

Drilled From: Surface

Current Datum: SITE Height 3479.00 ft Tie-on Depth: 0.00 ft

Magnetic Data: 4/15/2013 Above System Datum: Mean Sea Level

Field Strength: 48414 nT Declination: 7.47 deg

Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60.07 deg

ft ft +E/-W Direction

deg

0.00 0.00 0.00 135.60

Survey

MD	Incl	Azimi	TVD	N/S	E/W	DLS	VS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	deg/100ft	ft	ft	ft	
6961.60	0.46	198.89	6961.27	8.68	28.54	0.00	13.76	434420.26	662581.53	Tie On Gyrod
7074.00	0.72	196.72	7073.66	7.58	28.19	0.23	14.31	434419.16	662581.18	First Wft Svy
7168.00	0.78	201.98	7167.66	6.42	27.78	0.10	14.85	434418.00	662580.77	
7263.00	0.85	200.18	7262.65	5.16	27.29	0.08	15.41	434416.74	662580.28	
7324.00	1.01	203.71	7323.64	4.24	26.92	0.28	15.81	434415.82	662579.91	
7386.00	1.53	186.85	7385.62	2.92	26.60	1.02	16.53	434414.50	662579.59	
7418.00	3.58	165.37	7417.59	1.53	26.80	6.96	17.66	434413.11	662579.79	
7450.00	6.45	159.18	7449.46	-1.12	27.69	9.11	20.18	434410.46	662580.68	
7481.00	10.05	153.64	7480.14	-5.17	29.51	11.88	24.35	434406.41	662582.50	
7513.00	13.99	148.27	7511.43	-10.97	32.79	12.79	30.78	434400.61	662585.78	
7543.00	18.41	145.62	7540.23	-17.96	37.37	14.93	38.98	434393.62	662590.36	
7574.00	22.69	143.30	7569.26	-26.80	43.72	14.05	49.74	434384.78	662596.71	
7604.00	25.67	142.66	7596.62	-36.61	51.12	9.97	61.92	434374.97	662604.11	
7636.00	27.76	140.84	7625.20	-47.90	60.03	7.01	76.22	434363.68	662613.02	
7667.00	30.59	138.08	7652.27	-59.37	69.86	10.11	91.30	434352.21	662622.85	
7699.00	33.50	135.75	7679.39	-71.76	81.46	9.88	108.27	434339.82	662634.45	
7730.00	35.82	133.26	7704.89	-84.10	94.04	8.77	125.89	434327.48	662647.03	
7761.00	38.93	132.04	7729.52	-96.85	107.88	10.31	144.68	434314.73	662660.87	
7793.00	41.94	131.63	7753.88	-110.69	123.35	9.44	165.38	434300.89	662676.34	
7825.00	44.80	131.52	7777.14	-125.27	139.79	8.94	187.30	434286.31	662692.78	
7856.00	47.58	131.35	7798.59	-140.07	156.56	8.98	209.61	434271.51	662709.55	
7889.00	49.93	131.39	7820.35	-156.47	175.18	7.12	234.36	434255.11	662728.17	
7920.00	52.57	131.45	7839.75	-172.46	193.30	8.52	258.47	434239.12	662746.29	
7951.00	54.38	131.39	7858.20	-188.94	211.98	5.84	283.31	434222.64	662764.97	
7982.00	57.02	131.67	7875.67	-205.92	231.15	8.55	308.85	434205.66	662784.14	
8013.00	58.98	131.78	7892.09	-223.42	250.77	6.33	335.08	434188.16	662803.76	
8044.00	61.72	131.40	7907.43	-241.30	270.92	8.90	361.95	434170.28	662823.91	
8075.00	64.61	130.71	7921.42	-259.46	291.78	9.53	389.52	434152.12	662844.77	
8106.00	67.21	129.75	7934.07	-277.73	313.38	8.85	417.70	434133.85	662866.37	
8137.00	70.09	128.97	7945.36	-296.04	335.71	9.58	446.39	434115.54	662888.70	

Weatherford

Wft Survey Report X Y's.



Weatherford

Company: BOPCO, L.P.
Field: Eddy County, NM (Nad 27)
Site: Poker Lake Unit 395H
Well: PLU 395H
Wellpath: 1

Date: 7/19/2013 Time: 07:14:20 Page: 2
Co-ordinate(NE) Reference: Well: PLU 395H, Grid North
Vertical (TVD) Reference: SITE 3479.0
Section (VS) Reference: Well (0.00N,0.00E,135.60Azi)
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
8168.00	70.90	128.55	7955.71	-314.33	358.49	2.91	475.41	434097.25	662911.48	
8199.00	70.53	128.89	7965.95	-332.64	381.32	1.58	504.46	434078.94	662934.31	
8229.00	71.78	128.10	7975.64	-350.31	403.54	4.86	532.63	434061.27	662956.53	
8260.00	72.01	127.99	7985.27	-368.47	426.75	0.81	561.84	434043.11	662979.74	
8347.00	72.37	127.67	8011.88	-419.27	492.17	0.54	643.91	433992.31	663045.16	
8378.00	74.93	128.41	8020.61	-437.60	515.59	8.57	673.39	433973.98	663068.58	
8410.00	77.59	129.05	8028.21	-457.05	539.84	8.54	704.25	433954.53	663092.83	
8441.00	79.45	128.70	8034.38	-476.11	563.49	6.10	734.42	433935.47	663116.48	
8473.00	80.09	128.28	8040.06	-495.71	588.14	2.38	765.67	433915.87	663141.13	
8505.00	80.72	128.86	8045.39	-515.38	612.81	2.66	796.99	433896.20	663165.80	
8536.00	83.27	129.38	8049.71	-534.75	636.62	8.39	827.48	433876.83	663189.61	
8568.00	84.40	129.82	8053.15	-555.03	661.13	3.79	859.12	433856.55	663214.12	
8599.00	87.69	129.78	8055.28	-574.82	684.89	10.61	889.89	433836.76	663237.88	
8631.00	88.81	129.36	8056.26	-595.20	709.55	3.74	921.70	433816.38	663262.54	
8725.00	89.44	127.72	8057.70	-653.76	783.06	1.87	1014.97	433757.82	663336.05	
8820.00	89.72	128.98	8058.39	-712.70	857.56	1.36	1109.20	433698.88	663410.55	
8915.00	89.02	127.91	8059.44	-771.76	931.96	1.35	1203.46	433639.82	663484.95	
9009.00	89.23	131.10	8060.87	-831.54	1004.47	3.40	1296.90	433580.04	663557.46	
9105.00	88.74	130.59	8062.58	-894.32	1077.08	0.74	1392.56	433517.26	663630.07	
9199.00	91.40	130.80	8062.46	-955.60	1148.34	2.84	1486.20	433455.98	663701.33	
9294.00	92.10	130.75	8059.56	-1017.62	1220.25	0.74	1580.82	433393.96	663773.24	
9389.00	92.80	132.67	8055.50	-1080.77	1291.10	2.15	1675.51	433330.81	663844.09	
9483.00	91.12	132.60	8052.28	-1144.39	1360.21	1.79	1769.33	433267.19	663913.20	
9578.00	91.82	132.21	8049.85	-1208.44	1430.33	0.84	1864.15	433203.14	663983.32	
9673.00	91.68	132.34	8046.94	-1272.31	1500.59	0.20	1958.94	433139.27	664053.58	
9768.00	90.21	134.32	8045.38	-1337.49	1569.68	2.60	2053.85	433074.09	664122.67	
9862.00	88.04	135.99	8046.81	-1404.12	1635.96	2.91	2147.83	433007.46	664188.95	
9957.00	90.35	136.74	8048.15	-1472.87	1701.50	2.56	2242.80	432938.71	664254.49	
10051.00	90.42	138.47	8047.52	-1542.28	1764.88	1.84	2336.74	432869.30	664317.87	
10145.00	88.25	137.85	8048.61	-1612.30	1827.57	2.40	2430.63	432799.28	664380.56	
10240.00	90.35	137.57	8049.77	-1682.57	1891.49	2.23	2525.55	432729.01	664444.48	
10334.00	88.25	136.20	8050.92	-1751.18	1955.72	2.67	2619.52	432660.40	664508.71	
10429.00	87.06	136.33	8054.80	-1819.76	2021.34	1.26	2714.43	432591.82	664574.33	
10524.00	86.71	136.52	8059.97	-1888.49	2086.73	0.42	2809.28	432523.09	664639.72	
10619.00	88.81	136.68	8063.68	-1957.45	2151.95	2.22	2904.19	432454.13	664704.94	
10714.00	89.16	137.24	8065.36	-2026.88	2216.78	0.70	2999.14	432384.70	664769.77	
10809.00	91.47	137.91	8064.84	-2096.99	2280.86	2.53	3094.08	432314.59	664833.85	
10903.00	90.49	135.82	8063.23	-2165.58	2345.12	2.46	3188.04	432246.00	664898.11	
10997.00	89.37	135.19	8063.35	-2232.63	2410.99	1.37	3282.03	432178.95	664963.98	
11092.00	91.12	135.69	8062.94	-2300.31	2477.65	1.92	3377.03	432111.27	665030.64	
11187.00	90.00	134.76	8062.01	-2367.74	2544.55	1.53	3472.02	432043.84	665097.54	
11282.00	90.91	133.15	8061.26	-2433.68	2612.94	1.95	3566.97	431977.90	665165.93	
11377.00	87.90	132.92	8062.24	-2498.50	2682.37	3.18	3661.86	431913.08	665235.36	
11472.00	88.95	132.80	8064.85	-2563.09	2751.97	1.11	3756.72	431848.49	665304.96	
11567.00	91.12	135.09	8064.80	-2629.01	2820.37	3.32	3851.66	431782.57	665373.36	
11662.00	88.81	138.06	8064.85	-2698.00	2885.66	3.96	3946.63	431713.58	665438.65	
11756.00	90.70	137.02	8065.26	-2767.34	2949.11	2.29	4040.57	431644.24	665502.10	
11850.00	90.70	136.56	8064.11	-2835.85	3013.47	0.49	4134.55	431575.73	665566.46	
11944.00	89.02	136.81	8064.34	-2904.24	3077.95	1.81	4228.53	431507.34	665630.94	
12039.00	89.37	136.97	8065.67	-2973.58	3142.86	0.41	4323.49	431438.00	665695.85	
12134.00	89.37	136.47	8066.72	-3042.74	3207.99	0.53	4418.47	431368.84	665760.98	
12229.00	92.10	136.62	8065.50	-3111.69	3273.32	2.88	4513.44	431299.89	665826.31	

Weatherford

Wft Survey Report X Y's.



Weatherford

Company: BOPCO, L.P.
 Field: Eddy County, NM (Nad 27)
 Site: Poker Lake Unit 395H
 Well: PLU 395H
 Wellpath: 1

Date: 7/19/2013 Time: 07:14:20 Page: 3
 Co-ordinate(N/E) Reference: Well: PLU 395H, Grid North
 Vertical (TVD) Reference: SITE 3479.0
 Section (VS) Reference: Well (0.00N,0.00E,135.60Azi)
 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
12324.00	88.81	135.07	8064.74	-3179.84	3339.48	3.83	4608.42	431231.74	665892.47	
12419.00	92.17	135.72	8063.93	-3247.46	3406.18	3.60	4703.40	431164.12	665959.17	
12486.00	93.29	135.17	8060.74	-3295.15	3453.13	1.86	4770.32	431116.43	666006.12	
12581.00	89.93	135.71	8058.07	-3362.80	3519.75	3.58	4865.27	431048.78	666072.74	
12676.00	90.42	136.21	8057.78	-3431.09	3585.79	0.74	4960.27	430980.49	666138.78	
12770.00	88.60	136.37	8058.59	-3499.03	3650.74	1.94	5054.25	430912.55	666203.73	
12865.00	89.72	137.79	8059.98	-3568.59	3715.42	1.90	5149.21	430842.99	666268.41	
12960.00	89.16	137.54	8060.91	-3638.81	3779.40	0.65	5244.14	430772.77	666332.39	
13054.00	88.25	136.93	8063.03	-3707.80	3843.21	1.17	5338.08	430703.78	666396.20	
13149.00	87.34	135.55	8066.69	-3776.36	3908.86	1.74	5433.00	430635.22	666461.85	
13245.00	87.62	135.09	8070.91	-3844.56	3976.30	0.56	5528.90	430567.02	666529.29	
13339.00	88.60	134.11	8074.01	-3910.52	4043.19	1.47	5622.84	430501.06	666596.18	
13435.00	90.14	133.39	8075.06	-3976.90	4112.53	1.77	5718.78	430434.68	666665.52	
13530.00	90.63	134.50	8074.42	-4042.83	4180.93	1.28	5813.73	430368.75	666733.92	
13625.00	87.97	133.82	8075.59	-4109.00	4249.07	2.89	5908.69	430302.58	666802.06	
13719.00	88.32	133.66	8078.63	-4173.95	4316.95	0.41	6002.59	430237.63	666869.94	
13814.00	89.79	133.01	8080.19	-4239.14	4386.04	1.69	6097.50	430172.44	666939.03	
13909.00	90.07	132.82	8080.31	-4303.82	4455.61	0.36	6192.39	430107.76	667008.60	
14004.00	88.46	135.03	8081.53	-4369.72	4524.02	2.88	6287.34	430041.86	667077.01	
14075.00	89.16	135.20	8083.00	-4420.01	4574.11	1.01	6358.32	429991.57	667127.10	Last Wft Svy
14147.00	89.16	135.20	8084.06	-4471.09	4624.84	0.00	6430.31	429940.49	667177.83	Proj. To Bit

Annotation

MD ft	TVD ft	
6961.60	6961.27	Tie On Gyrodata
7074.00	7073.66	First Wft Svy
14075.00	8083.00	Last Wft Svy
14147.00	8084.06	Proj. To Bit

A Gyrodata Directional Survey

FINAL DEFINITIVE COPY

for

BOPCO, L.P.

Lease: POKER LAKE UNIT Well: #395H, 4 1/2" DRILLPIPE

Location: MCVAY #5, EDDY COUNTY, NEW MEXICO

Job Number: MD0713GDM416

Run Date: 01 Jul 2013

Report Generated: 10 Jul 2013 10:36

Surveyor: Jason Solomon

Calculation Method: MINIMUM CURVATURE

Survey surface coordinates obtained from: Well Plan/Plot

Survey Latitude: 32.193222 deg. N Longitude: 103.807856 deg. W

Azimuth Correction:

Gyro: -0.28000 deg to Grid North

Depth Reference: Rotary Table

Air Gap (RKB to Ground / RKB to MSL): 18.00

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

BOPCO, L.P.

Lease: POKER LAKE UNIT Well: #395H, 4 1/2" DRILLPIPE

Location: MCVAY #5, EDDY COUNTY, NEW MEXICO

Job Number: MD0713GDM416

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0	0.0	0.00 N 0.00 E
0 - 6961 FT RATE GYROSCOPIC MULTISHOT DROP RUN INSIDE 4 1/2" DRILLPIPE								
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO MCVAY #5 RKB 18 FT								
100.00	0.58	75.11	N 75 7 E	0.58	100.00	0.5	75.1	0.13 N 0.49 E
200.00	0.67	61.50	N 61 30 E	0.17	199.99	1.6	70.1	0.54 N 1.49 E
300.00	0.97	50.55	N 50 33 E	0.34	299.98	3.0	63.0	1.36 N 2.66 E
400.00	1.21	31.79	N 31 47 E	0.43	399.96	4.8	54.2	2.79 N 3.87 E
500.00	0.96	21.71	N 21 43 E	0.31	499.95	6.5	46.7	4.47 N 4.74 E
534.20	1.00	23.34	N 23 20 E	0.14	534.14	7.0	44.7	5.01 N 4.96 E
628.72	1.05	20.35	N 20 21 E	0.08	628.65	8.6	40.4	6.58 N 5.59 E
723.24	0.97	18.40	N 18 24 E	0.09	723.15	10.2	37.0	8.15 N 6.14 E
817.76	0.53	353.99	N 6 1 W	0.57	817.66	11.3	34.2	9.34 N 6.35 E
912.28	0.29	353.03	N 6 58 W	0.25	912.18	11.8	32.1	10.01 N 6.27 E
1006.80	0.36	350.33	N 9 40 W	0.08	1006.70	12.2	30.4	10.54 N 6.19 E
1101.32	0.40	347.50	N 12 30 W	0.05	1101.22	12.7	28.6	11.16 N 6.07 E
1195.84	0.45	354.52	N 5 29 W	0.08	1195.73	13.3	26.7	11.85 N 5.97 E
1290.36	0.48	359.16	N 0 50 W	0.05	1290.25	13.9	25.2	12.62 N 5.93 E
1384.88	0.47	0.29	N 0 17 E	0.01	1384.77	14.6	23.8	13.40 N 5.92 E
1479.40	0.41	7.36	N 7 22 E	0.09	1479.29	15.3	22.9	14.12 N 5.97 E
1573.92	0.38	10.49	N 10 29 E	0.04	1573.80	16.0	22.3	14.77 N 6.07 E
1668.44	0.33	3.00	N 3 0 E	0.07	1668.32	16.5	21.8	15.35 N 6.14 E

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1762.96	0.28	9.75	N 9 45 E	0.07	1762.84	17.0	21.3	15.85 N 6.19 E
1857.48	0.23	11.92	N 11 55 E	0.05	1857.36	17.4	21.1	16.26 N 6.27 E
1952.00	0.15	357.35	N 2 39 W	0.10	1951.88	17.7	20.8	16.57 N 6.30 E
2046.52	0.14	38.15	N 38 9 E	0.11	2046.40	18.0	20.8	16.78 N 6.37 E
2141.04	0.09	38.13	N 38 8 E	0.05	2140.92	18.1	21.0	16.93 N 6.49 E
2235.56	0.02	343.89	N 16 7 W	0.08	2235.44	18.2	21.0	17.01 N 6.53 E
2330.08	0.08	290.46	N 69 32 W	0.07	2329.96	18.2	20.8	17.04 N 6.46 E
2424.60	0.03	320.69	N 39 19 W	0.06	2424.48	18.2	20.5	17.09 N 6.38 E
2519.12	0.09	161.04	S 18 58 E	0.13	2519.00	18.2	20.6	17.04 N 6.39 E
2613.64	0.19	147.60	S 32 24 E	0.11	2613.52	18.0	21.1	16.83 N 6.50 E
2708.16	0.22	135.59	S 44 25 E	0.06	2708.04	17.9	22.0	16.57 N 6.71 E
2802.68	0.18	145.36	S 34 38 E	0.06	2802.56	17.7	23.0	16.32 N 6.92 E
2897.20	0.23	131.95	S 48 3 E	0.07	2897.08	17.6	24.0	16.07 N 7.15 E
2991.72	0.34	136.96	S 43 2 E	0.12	2991.59	17.4	25.4	15.74 N 7.48 E
3086.24	0.58	126.88	S 53 7 E	0.27	3086.11	17.2	27.8	15.25 N 8.05 E
3180.76	0.57	127.65	S 52 21 E	0.01	3180.63	17.1	31.0	14.67 N 8.81 E
3275.28	0.56	130.70	S 49 18 E	0.03	3275.14	17.0	34.1	14.08 N 9.53 E
3369.80	0.38	130.81	S 49 11 E	0.19	3369.66	16.9	36.7	13.58 N 10.12 E
3464.32	0.50	116.02	S 63 59 E	0.17	3464.18	17.0	39.1	13.19 N 10.73 E
3558.84	0.70	122.44	S 57 34 E	0.22	3558.69	17.2	42.4	12.70 N 11.58 E
3653.36	0.95	121.28	S 58 43 E	0.27	3653.20	17.5	46.8	11.98 N 12.74 E

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3747.88	0.39	114.66	S 65 20 E	0.60	3747.71	17.9	50.1	11.44 N	13.70 E
3842.40	0.05	248.48	S 68 29 W	0.45	3842.23	18.0	51.0	11.29 N	13.96 E
3936.92	0.14	154.91	S 25 5 E	0.16	3936.75	17.9	51.3	11.17 N	13.97 E
4031.44	0.54	159.48	S 20 31 E	0.42	4031.27	17.7	53.1	10.65 N	14.17 E
4125.96	0.70	177.10	S 2 54 E	0.26	4125.79	17.3	56.1	9.66 N	14.36 E
4220.48	0.53	174.24	S 5 46 E	0.18	4220.30	16.8	59.1	8.65 N	14.43 E
4315.00	0.60	172.51	S 7 29 E	0.08	4314.82	16.5	62.0	7.72 N	14.54 E
4409.52	0.58	170.91	S 9 5 E	0.03	4409.33	16.2	65.3	6.76 N	14.68 E
4504.04	0.48	172.04	S 7 58 E	0.11	4503.85	15.9	68.3	5.89 N	14.81 E
4598.56	0.49	153.50	S 26 30 E	0.17	4598.36	15.9	71.1	5.14 N	15.05 E
4693.08	0.47	149.02	S 30 59 E	0.04	4692.88	16.1	73.9	4.45 N	15.43 E
4787.60	0.52	156.94	S 23 4 E	0.09	4787.40	16.2	76.7	3.72 N	15.79 E
4882.12	0.48	151.35	S 28 39 E	0.07	4881.91	16.4	79.6	2.98 N	16.15 E
4976.64	0.33	139.30	S 40 42 E	0.18	4976.43	16.7	81.7	2.42 N	16.52 E
5071.16	0.29	118.42	S 61 35 E	0.13	5070.95	17.0	82.9	2.10 N	16.91 E
5165.68	0.17	65.02	N 65 1 E	0.25	5165.47	17.4	83.2	2.05 N	17.24 E
5260.20	0.22	39.27	N 39 16 E	0.11	5259.99	17.6	82.7	2.25 N	17.49 E
5354.72	0.21	32.90	N 32 54 E	0.03	5354.51	17.9	81.8	2.53 N	17.69 E
5449.24	0.21	36.39	N 36 23 E	0.01	5449.03	18.1	81.0	2.82 N	17.89 E
5543.76	0.22	54.77	N 54 46 E	0.07	5543.55	18.4	80.4	3.06 N	18.14 E
5638.28	0.40	51.47	N 51 28 E	0.19	5638.06	18.9	79.7	3.37 N	18.55 E
5732.80	0.66	40.66	N 40 40 E	0.29	5732.58	19.6	78.2	3.99 N	19.16 E

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5827.32	0.89	39.46	N 39 28 E	0.24	5827.09	20.6 76.0	4.97 N 19.98 E
5921.84	0.76	45.13	N 45 8 E	0.16	5921.60	21.7 74.0	5.98 N 20.89 E
6016.36	0.62	48.34	N 48 20 E	0.15	6016.12	22.7 72.7	6.76 N 21.72 E
6110.88	0.62	51.83	N 51 50 E	0.04	6110.63	23.7 71.8	7.42 N 22.50 E
6205.40	0.72	63.41	N 63 25 E	0.18	6205.14	24.8 71.2	8.00 N 23.44 E
6299.92	0.74	63.31	N 63 19 E	0.02	6299.66	26.0 70.8	8.54 N 24.51 E
6394.44	0.68	59.60	N 59 36 E	0.08	6394.17	27.1 70.4	9.10 N 25.54 E
6488.96	0.71	65.94	N 65 56 E	0.09	6488.68	28.3 70.1	9.62 N 26.56 E
6583.48	0.55	83.01	N 83 1 E	0.26	6583.20	29.3 70.2	9.92 N 27.55 E
6678.00	0.32	105.28	S 74 43 E	0.30	6677.71	29.9 70.7	9.90 N 28.25 E
6772.52	0.25	133.52	S 46 29 E	0.16	6772.23	30.2 71.3	9.69 N 28.66 E
6867.04	0.32	196.14	S 16 8 W	0.32	6866.75	30.2 72.1	9.29 N 28.73 E
6961.56	0.46	198.89	S 18 53 W	0.15	6961.27	29.8 73.1	8.68 N 28.54 E

Final Station Closure: Distance: 29.83 ft Az: 73.08 deg