



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

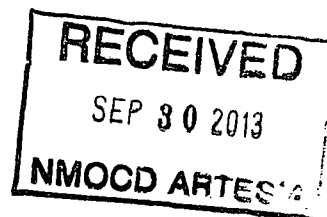
BOPCO, LP
PO Box 2760
Midland, TX 79702

30015 41075

Date: August 6, 2013

Attention: Brian Braun

Re: BOPCO, LP
Well: Poker Lake Unit 395H
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
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.

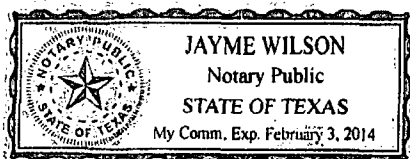
Jesse Aguilar

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

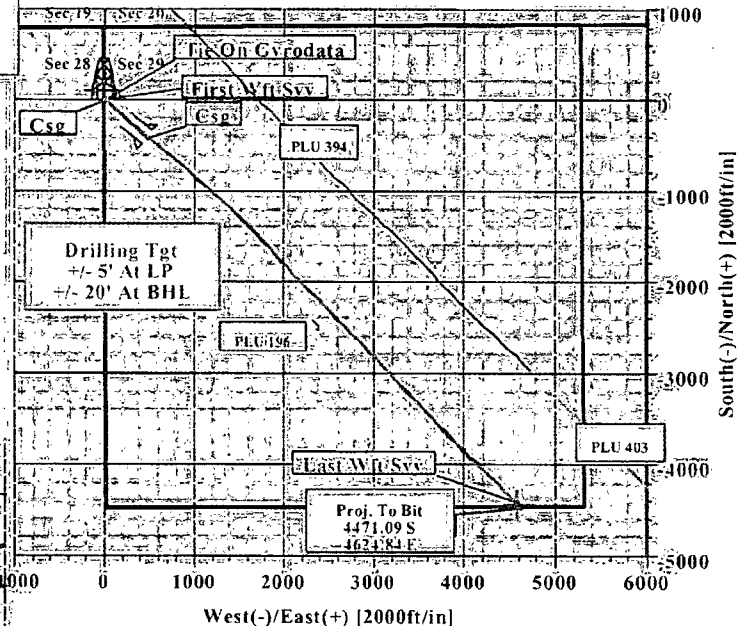
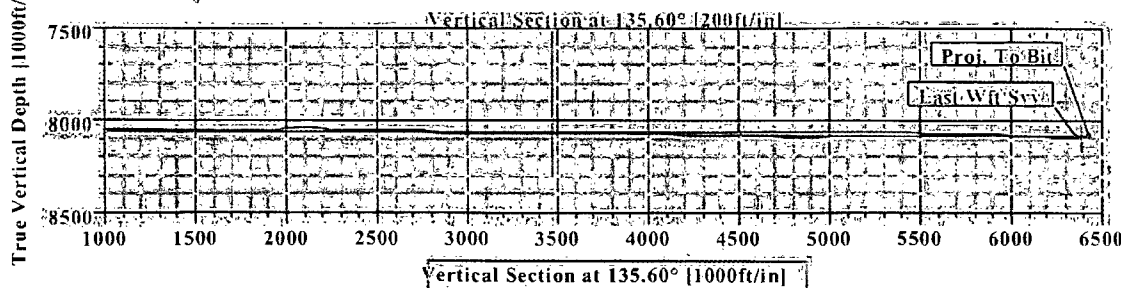
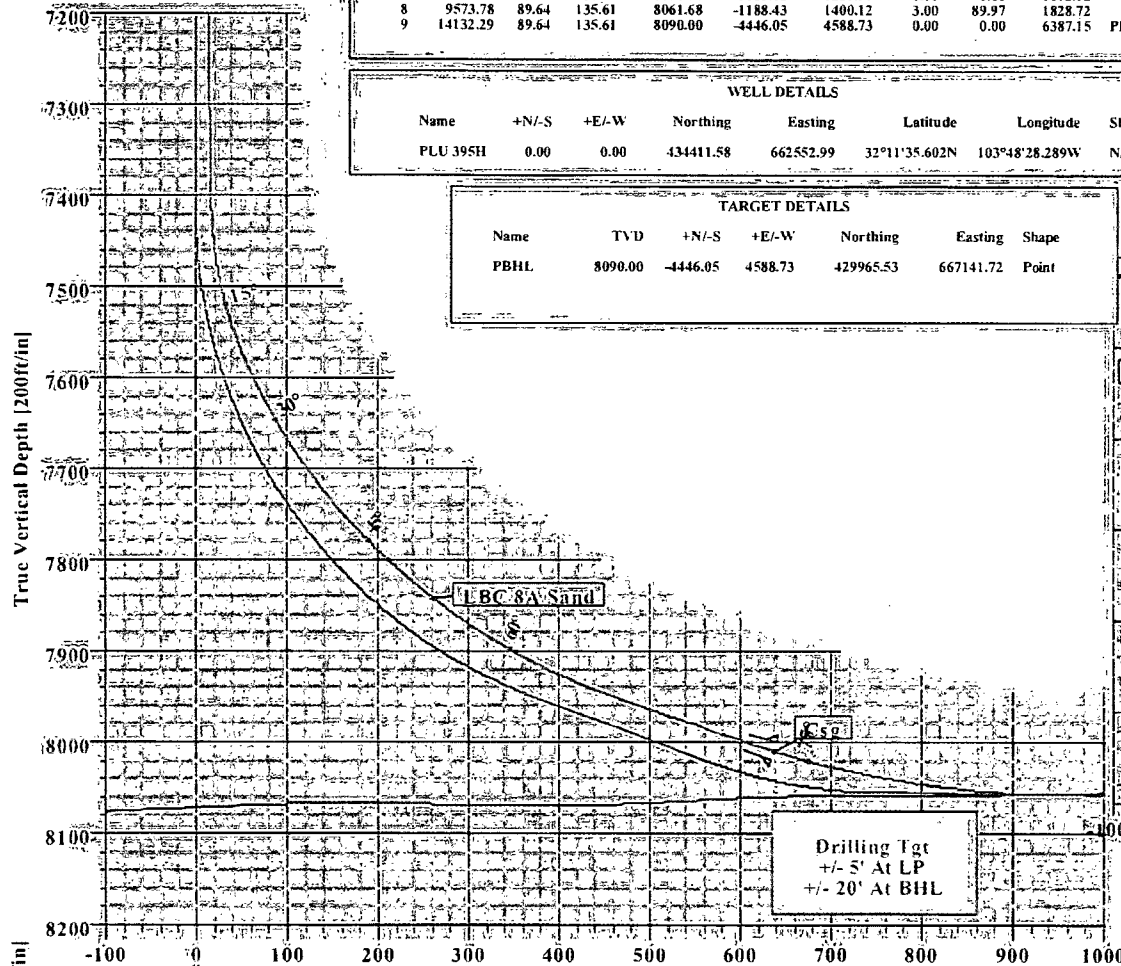
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8090.00	-4446.05	4588.73	429965.53	667141.72	Point

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

[Symbol]	PLU 395H, I Plan #4
[Symbol]	Exist. PLU 196 (1)
[Symbol]	PLU 394H (1)
[Symbol]	PLU 403H (1)
[Symbol]	Wrt Svy



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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: 1 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
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Survey: Wft Svy Company: Weatherford Tool: MWD;MWD - Standard	Start Date: 7/3/2013 Engineer: Russell W. Joyner Tied-to: User Defined
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Site: Poker Lake Unit 395H

Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3460.00 ft	Northing: 434411.58 ft Easting: 662552.99 ft	Latitude: 32 11 35.602 N Longitude: 103 48 28.289 W North Reference: Grid Grid Convergence: 0.28 deg
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Well: PLU 395H Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft	Slot Name: Well Position: +N/-S 0.00 ft Easting: 662552.99 ft Latitude: 32 11 35.602 N Longitude: 103 48 28.289 W
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Wellpath: 1 Current Datum: SITE Magnetic Data: 4/15/2013 Field Strength: 48414 nT Vertical Section: Depth From (TVD) ft	Height 3479.00 ft +N/-S ft +E/-W ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 7.47 deg Mag Dip Angle: 60.07 deg Direction deg
0.00	0.00	0.00 135.60

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
6961.60	0.46	198.89	6961.27	8.68	28.54	0.00	13.76	434420.26	662581.53	Tie On Gyrodal
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
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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
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(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
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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
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

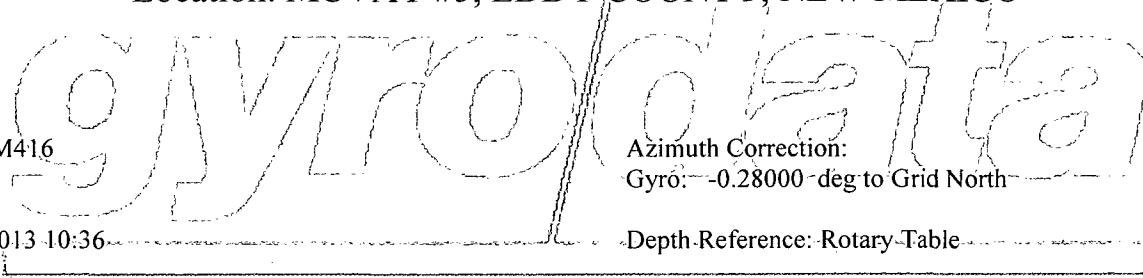
FINAL DEFINITIVE COPY

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

Azimuth Correction:

Gyro: -0.28000 deg to Grid North

Depth Reference: Rotary Table

Surveyor: Jason Solomon

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

Calculation Method: MINIMUM CURVATURE

Vertical Section Calculated from Well Head Location

Survey surface coordinates obtained from: Well Plan/Plot

Closure Calculated from Well Head Location

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

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	INCL 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

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. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
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

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	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet	
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

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	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
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.