

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 02 2014

RECEIVED

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: March 6, 2014

30-015-41033

Attention: Jeremy Braden

Re: BOPCO, LP
Well: Poker Lake Unit 421H
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
Benjamin Hernandez MWD Supervisor	421H	227 MD 14116 MD	2/4/2014 3/1/2014	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.

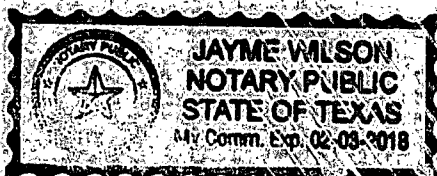
Jesse Aguilar

Jesse Aguilar
MWD Ops Coordinator

On this, the 17th day of March, 2014, 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.

Jayne Wilson
Notary Public



NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 02 2014

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5D Survey Report

BOPCO, L.P.

Field Name: *Eddy Co, NM Nad27 NMEZ*

Site Name: *Poker Lake Unit 421H*

Well Name: *PLU 421H*

Survey: *Wft Svy*

28 February 2014



Weatherford®

PLU 421H

Field Name Eddy Co, INM Nad27 NMEZ	Map Units : US ft		Company Name : BOPCO, L.P.	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD27 / New Mexico East			
Comment :				
Site Name Poker Lake Unit 421H	Units : US ft	North Reference : Grid	Convergence Angle : 0.25	
	Position	Northing : 398738.60 US ft	Latitude : 32° 5' 43.35"	
		Easting : 645641.35 US ft	Longitude : -103° 51' 46.91"	
Elevation above Mean Sea Level: 3273.00 US ft				
Comment :				
Slot Name PLU 421H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing : 398738.60 US ft	Latitude : 32° 5' 43.35"	
	+E / -W : 0.00 US ft	Easting : 645641.35 US ft	Longitude : -103° 51' 46.91"	
Elevation above Mean Sea Level : 3273.00 US ft				
Comment :				
Well Name PLU 421H	Type : Main well		UWI :	
	Rig Height Well TVD Reference : 19.00 US ft		Comment :	
	Relative to Mean Sea Level: 3292.00 US ft			
	Closure Distance : 6907.62 US ft		Closure Azimuth : 89.079°	
	Vertical Section (Position of Origin Relative to Slot)			
+N / -S : 0.00 US ft +E / -W : 0.00 US ft Az : 89.14°				

Target Set

Name : PLU 421H **Number of Targets :** 3

Comment :

Target Name: PBHL	Position (Relative to Slot centre)			
	+N / -S : 103.50 US ft	Northing : 398842.10 US ft	Latitude : 32° 5' 44.07"	
	+E / -W : 6907.95 US ft	Easting : 652549.30 US ft	Longitude : -103° 50' 26.60"	
Shape: Cuboid	TVD (Well TVD Reference) : 7760.00 US ft			
Orientation Azimuth : 0.00°		Inclination : 0.00°		
Dimensions Length : 0.00 US ft		Breadth : 0.00 US ft	Height : 0.00 US ft	
Target Name: HB1 For Dwg	Position (Relative to Slot centre)			
	+N / -S : 0.00 US ft	Northing : 398738.60 US ft	Latitude : 32° 5' 43.35"	
	+E / -W : 0.00 US ft	Easting : 645641.35 US ft	Longitude : -103° 51' 46.91"	
TVD (Well TVD Reference) : 7667.00 US ft				
Shape: Cuboid	Orientation Azimuth : 89.14°		Inclination : -1.45°	
Dimensions Length : 13818.00 US ft		Breadth : 0.00 US ft	Height : 1.00 US ft	

Target Name: HB2 For dwg	Position (Relative to Slot centre)		
	+N / -S : 103.50US ft	Northing : 398842.10 US ft	Latitude : 32°5'44.07"
Shape: Cuboid	+E / -W : 6907.95 US ft	Easting : 652549.30US ft	Longitude : -103°50'26.60"
	TVD (Well TVD Reference) : 7842.00 US ft		
Orientation		Azimuth : 89.14°	Inclination : -1.45°
Dimensions		Length : 13818.00 US ft	Breadth : 0.00 US ft
			Height : 1.00 US ft

Survey Name : Wft Svy

Date : 06/Feb/2014 Survey Tool : MWD Comment : Company :

Magnetic Model

Model Name: BGGM Date: 15/Mar/2014 Field Strength: 48233.7 nT Declination: 7.49° Dip: 59.93°

Tie Point
MD: 0 Inclination: 0 Azimuth: 0 TVD: 0 North Offset: 0 East Offset: 0

Casing Points (Relative to Slot centre, TVD relative to Well TVD Reference)								
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	Name
3913.00	0.25	105.41	3912.78	-5.94	6.65	398732.66	645648.00	13 3/8 in

Well path created using minimum curvature

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	398738.60	645641.35	
227.00	0.66	88.44	226.99	0.04	1.31	1.31	0.29	398738.64	645642.66	First Wft Svy
469.00	0.41	277.23	468.99	0.18	1.84	1.84	0.44	398738.78	645643.19	
701.00	0.64	278.37	700.98	0.48	-0.26	-0.26	0.10	398739.08	645641.09	
1002.00	0.11	32.25	1001.97	0.96	-1.78	-1.76	0.23	398739.56	645639.57	Csg Pt
1035.00	0.16	55.89	1034.97	1.01	-1.72	-1.71	0.23	398739.61	645639.63	
1259.00	0.22	287.06	1258.97	1.31	-1.88	-1.86	0.15	398739.91	645639.47	
1480.00	0.31	328.10	1479.97	1.94	-2.60	-2.57	0.09	398740.54	645638.75	
1702.00	0.16	307.53	1701.97	2.64	-3.16	-3.12	0.08	398741.24	645638.19	
1924.00	0.14	346.14	1923.97	3.09	-3.47	-3.42	0.05	398741.69	645637.88	
2145.00	0.35	103.81	2144.97	3.19	-2.88	-2.83	0.20	398741.79	645638.47	
2367.00	0.30	74.01	2366.96	3.19	-1.66	-1.62	0.08	398741.79	645639.69	
2588.00	0.21	28.01	2587.96	3.71	-0.92	-0.86	0.10	398742.31	645640.43	
2810.00	0.41	300.16	2809.96	4.47	-1.41	-1.35	0.20	398743.07	645639.94	
3031.00	0.63	282.97	3030.95	5.14	-3.28	-3.20	0.12	398743.74	645638.07	
3253.00	1.66	135.83	3252.93	3.10	-2.23	-2.18	1.00	398741.70	645639.12	
3475.00	0.91	131.81	3474.87	-0.38	1.33	1.32	0.34	398738.22	645642.68	
3697.00	1.74	139.05	3696.81	-4.10	4.85	4.79	0.38	398734.50	645646.20	
3847.00	0.10	115.03	3846.78	-5.87	6.46	6.37	1.10	398732.73	645647.81	
3913.00	0.25	105.41	3912.78	-5.94	6.65	6.56	0.23	398732.66	645648.00	13 3/8 in
4067.00	0.60	101.68	4066.78	-6.19	7.76	7.67	0.23	398732.41	645649.11	
4288.00	0.95	104.75	4287.76	-6.89	10.67	10.56	0.16	398731.71	645652.02	
4535.00	0.77	106.42	4534.73	-7.88	14.24	14.12	0.07	398730.72	645655.59	
4785.00	0.76	115.13	4784.71	-9.06	17.35	17.21	0.05	398729.54	645658.70	
5035.00	0.85	133.36	5034.68	-11.04	20.20	20.03	0.11	398727.56	645661.55	
5284.00	0.84	133.85	5283.66	-13.57	22.86	22.65	0.00	398725.03	645664.21	
5534.00	1.15	135.46	5533.62	-16.63	25.94	25.69	0.12	398721.97	645667.29	
5784.00	0.98	159.88	5783.58	-20.42	28.44	28.13	0.19	398718.18	645669.79	
6007.00	1.09	170.66	6006.54	-24.30	29.44	29.07	0.10	398714.30	645670.79	
6227.00	1.13	163.52	6226.50	-28.45	30.39	29.96	0.07	398710.15	645671.74	
6477.00	1.41	164.81	6476.44	-33.78	31.90	31.39	0.11	398704.82	645673.25	
6727.00	1.16	157.34	6726.37	-39.09	33.68	33.09	0.12	398699.51	645675.03	
6895.00	1.35	157.16	6894.33	-42.48	35.10	34.46	0.11	398696.12	645676.45	

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment	
6926.00	1.35	163.92	6925.32	-43.17	35.34	34.69	0.51	398695.43	645676.69		
6958.00	1.97	125.34	6957.31	-43.85	35.90	35.23	3.88	398694.75	645677.25		
6988.00	4.20	99.77	6987.27	-44.33	37.40	36.73	8.56	398694.27	645678.75		
7019.00	7.34	90.42	7018.11	-44.54	40.50	39.83	10.54	398694.06	645681.85		
7051.00	10.57	84.42	7049.71	-44.27	45.47	44.80	10.49	398694.33	645686.82		
7081.00	13.87	83.74	7079.03	-43.61	51.78	51.12	11.01	398694.99	645693.13		
7111.00	16.94	83.48	7107.95	-42.72	59.70	59.05	10.24	398695.88	645701.05		
7142.00	20.77	82.85	7137.28	-41.52	69.64	69.01	12.37	398697.08	645710.99		
7174.00	23.47	80.81	7166.92	-39.80	81.57	80.96	8.77	398698.80	645722.92		
7205.00	26.24	78.89	7195.05	-37.49	94.39	93.81	9.31	398701.11	645735.74		
7237.00	28.30	77.77	7223.49	-34.52	108.74	108.21	6.63	398704.08	645750.09		
7268.00	30.89	77.68	7250.44	-31.27	123.70	123.22	8.36	398707.33	645765.05		
7300.00	32.98	78.10	7277.60	-27.72	140.25	139.82	6.57	398710.88	645781.60		
7331.00	33.71	78.81	7303.50	-24.31	156.95	156.56	2.67	398714.29	645798.30		
7363.00	37.08	78.94	7329.58	-20.73	175.13	174.80	10.53	398717.87	645816.48		
7394.00	40.45	79.60	7353.75	-17.12	194.20	193.92	10.95	398721.48	645835.55		
7425.00	43.64	80.09	7376.76	-13.47	214.63	214.41	10.34	398725.13	645855.98		
7456.00	46.25	80.10	7398.70	-9.70	236.20	236.03	8.42	398728.90	645877.55		
7486.00	49.09	79.90	7418.90	-5.85	258.04	257.93	9.48	398732.75	645899.39		
7518.00	52.89	81.00	7439.04	-1.73	282.56	282.50	12.17	398736.87	645923.91		
7550.00	56.54	81.39	7457.52	2.27	308.37	308.37	11.45	398740.87	645949.72		
7580.00	59.72	83.47	7473.36	5.61	333.62	333.67	12.12	398744.21	645974.97		
7611.00	63.21	83.58	7488.17	8.68	360.68	360.77	11.26	398747.28	646002.03		
7643.00	66.29	84.90	7501.82	11.58	389.47	389.60	10.32	398750.18	646030.82		
7674.00	69.65	86.70	7513.45	13.68	418.12	418.28	12.10	398752.28	646059.47		
7705.00	70.24	88.09	7524.08	15.01	447.21	447.39	4.62	398753.61	646088.56		
7736.00	70.55	88.25	7534.48	15.94	476.40	476.59	1.11	398754.54	646117.75		
7767.00	70.50	88.40	7544.81	16.79	505.61	505.81	0.48	398755.39	646146.96		
7783.00	70.68	88.42	7550.13	17.21	520.70	520.90	1.13	398755.81	646162.05		
7858.00	71.77	87.64	7574.27	19.65	591.66	591.89	1.76	398758.25	646233.01		
7888.00	76.24	87.58	7582.53	20.86	620.47	620.71	14.90	398759.46	646261.82		
7919.00	81.51	87.31	7588.51	22.21	650.85	651.11	17.02	398760.81	646292.20		
7950.00	87.34	87.74	7591.52	23.54	681.66	681.94	18.86	398762.14	646323.01		
8011.00	92.87	88.38	7591.41	25.61	742.60	742.90	9.13	398764.21	646383.95		
8103.00	92.66	89.45	7586.97	27.35	834.47	834.79	1.18	398765.95	646475.82		
8196.00	92.24	89.64	7583.00	28.09	927.39	927.70	0.50	398766.69	646568.74		
8286.00	91.33	89.92	7580.20	28.43	1017.34	1017.65	1.06	398767.03	646658.69		
8377.00	86.99	89.47	7581.53	28.92	1108.31	1108.62	4.79	398767.52	646749.66		
8468.00	86.92	89.29	7586.36	29.90	1199.17	1199.49	0.21	398768.50	646840.52		
8559.00	86.08	88.72	7591.92	31.48	1289.99	1290.32	1.11	398770.08	646931.34		
8651.00	87.20	89.11	7597.31	33.21	1381.81	1382.16	1.29	398771.81	647023.16		
8743.00	88.81	89.83	7600.51	34.07	1473.75	1474.10	1.92	398772.67	647115.10		
8834.00	89.65	91.68	7601.74	32.87	1564.73	1565.05	2.23	398771.47	647206.08		
8925.00	87.69	92.26	7603.85	29.74	1655.65	1655.91	2.25	398768.34	647297.00		
9018.00	87.27	93.00	7607.94	25.48	1748.46	1748.64	0.91	398764.08	647389.81		
9111.00	87.41	92.75	7612.25	20.82	1841.24	1841.34	0.31	398759.42	647482.59		
9204.00	88.32	91.85	7615.72	17.09	1934.10	1934.14	1.38	398755.69	647575.45		
9296.00	90.91	94.12	7616.34	12.30	2025.96	2025.91	3.74	398750.90	647667.31		
9391.00	89.79	93.07	7615.76	6.34	2120.77	2120.62	1.62	398744.94	647762.12		
9486.00	87.69	90.60	7617.85	3.30	2215.68	2215.48	3.41	398741.90	647857.03		
9581.00	90.35	91.47	7619.47	1.58	2310.64	2310.41	2.95	398740.18	647951.99		
9676.00	87.34	89.38	7621.38	0.88	2405.60	2405.35	3.86	398739.48	648046.95		
9770.00	88.74	91.09	7624.60	0.49	2499.54	2499.27	2.35	398739.09	648140.89		
9865.00	86.57	88.89	7628.49	0.51	2594.45	2594.17	3.25	398739.11	648235.80		
9960.00	87.13	87.25	7633.71	3.70	2689.25	2689.00	1.82	398742.30	648330.60		
10054.00	89.79	85.94	7636.23	9.28	2783.04	2782.87	3.15	398747.88	648424.39		
10149.00	88.60	88.19	7637.57	14.15	2877.90	2877.79	2.68	398752.75	648519.25		
10244.00	85.03	87.28	7642.85	17.89	2972.66	2972.60	3.88	398756.49	648614.01		
10339.00	85.10	87.50	7651.02	22.20	3067.21	3067.20	0.24	398760.80	648708.56		

5D Survey Report

Survey Points (Relative to Slot centre, TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	Northing (US ft)	Easting (US ft)	Comment	
10434.00	85.73	87.54	7658.61	26.30	3161.82	3161.86	0.66	398764.90	648803.17		
10529.00	86.99	86.89	7664.64	30.91	3256.51	3256.61	1.49	398769.51	648897.86		
10624.00	89.44	84.61	7667.60	37.94	3351.19	3351.38	3.52	398776.54	648992.54		
10719.00	90.63	85.65	7667.55	46.01	3445.85	3446.15	1.66	398784.61	649087.20		
10813.00	89.93	88.05	7667.09	51.17	3539.69	3540.06	2.66	398789.77	649181.04		
10908.00	86.43	88.64	7670.10	53.92	3634.59	3634.99	3.74	398792.52	649275.94		
11003.00	86.85	88.60	7675.67	56.20	3729.40	3729.82	0.44	398794.80	649370.75		
11097.00	87.76	87.69	7680.09	59.24	3823.25	3823.70	1.37	398797.84	649464.60		
11192.00	90.07	86.49	7681.89	64.06	3918.10	3918.62	2.74	398802.66	649559.45		
11286.00	88.32	88.18	7683.21	68.43	4011.98	4012.56	2.59	398807.03	649653.33		
11381.00	87.06	90.20	7687.04	69.77	4106.89	4107.47	2.50	398808.37	649748.24		
11476.00	89.16	89.89	7690.17	69.70	4201.83	4202.40	2.23	398808.30	649843.18		
11571.00	87.34	90.71	7693.07	69.20	4296.78	4297.33	2.10	398807.80	649938.13		
11665.00	88.46	90.29	7696.52	68.38	4390.71	4391.24	1.27	398806.98	650032.06		
11760.00	86.64	90.44	7700.58	67.78	4485.62	4486.13	1.92	398806.38	650126.97		
11855.00	88.39	90.88	7704.70	66.69	4580.52	4581.00	1.90	398805.29	650221.87		
11950.00	86.92	90.80	7708.58	65.29	4675.43	4675.88	1.55	398803.89	650316.78		
12045.00	89.09	89.99	7711.89	64.64	4770.36	4770.79	2.44	398803.24	650411.71		
12139.00	86.85	90.61	7715.22	64.15	4864.29	4864.71	2.47	398802.75	650505.64		
12234.00	86.43	90.30	7720.79	63.40	4959.13	4959.52	0.55	398802.00	650600.48		
12329.00	86.64	90.29	7726.53	62.91	5053.95	5054.33	0.22	398801.51	650695.30		
12425.00	88.60	88.22	7730.52	64.16	5149.85	5150.23	2.97	398802.76	650791.20		
12520.00	88.95	86.97	7732.55	68.14	5244.74	5245.18	1.37	398806.74	650886.09		
12614.00	88.53	86.49	7734.62	73.50	5338.57	5339.07	0.68	398812.10	650979.92		
12710.00	90.49	85.26	7735.44	80.41	5434.31	5434.90	2.41	398819.01	651075.66		
12805.00	87.69	87.49	7736.95	86.41	5529.09	5529.77	3.77	398825.01	651170.44		
12900.00	91.33	89.92	7737.76	88.56	5624.04	5624.74	4.61	398827.16	651265.39		
12995.00	88.04	90.66	7738.28	88.08	5719.02	5719.70	3.55	398826.68	651360.37		
13090.00	89.58	88.67	7740.25	88.63	5813.99	5814.67	2.65	398827.23	651455.34		
13185.00	83.90	87.19	7745.65	92.05	5908.74	5909.45	6.18	398830.65	651550.09		
13280.00	85.03	87.94	7754.82	96.07	6003.21	6003.97	1.43	398834.67	651644.56		
13375.00	89.44	89.24	7759.40	98.40	6098.04	6098.83	4.84	398837.00	651739.39		
13471.00	89.02	89.15	7760.69	99.75	6194.02	6194.82	0.45	398838.35	651835.37		
13566.00	90.77	89.57	7760.86	100.81	6289.01	6289.82	1.89	398839.41	651930.36		
13661.00	87.90	89.26	7761.97	101.78	6383.99	6384.80	3.04	398840.38	652025.34		
13756.00	88.18	88.49	7765.21	103.65	6478.92	6479.74	0.86	398842.25	652120.27		
13851.00	87.90	88.76	7768.46	105.92	6573.83	6574.68	0.41	398844.52	652215.18		
13945.00	89.58	88.49	7770.53	108.18	6667.78	6668.65	1.81	398846.78	652309.13		
14040.00	90.63	88.48	7770.36	110.69	6762.75	6763.65	1.11	398849.29	652404.10		
14116.00	89.16	90.36	7770.50	111.46	6838.74	6839.64	3.14	398850.06	652480.09	Last Wft Svy	
14184.00	89.16	90.36	7771.49	111.03	6906.73	6907.62	0.00	398849.63	652548.08	Proj. To Bit	