

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMLC068431
2. Name of Operator BOPCO LP		6. If Indian, Allottee or Tribe Name
Contact: WHITNEY MCKEE E-Mail: wbmckee@basspet.com		7. If Unit or CA/Agreement, Name and/or No. 891000303X
3a. Address MIDLAND, TX 79702	3b. Phone No. (include area code) Ph: 432-683-2277	8. Well Name and No. POKER LAKE UNIT 322H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T24S R30E SESW 1130FSL 280FEL		9. API Well No. 30-015-40791-00-X1
		10. Field and Pool, or Exploratory WILDCAT
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please note that the directional plan was not attached to the sundry previously submitted 12/26/13.

BOPCO, L.P. respectfully request to update the well plan for the PLU #322H as well as change the casing set depth on our 7? production string. The new 7? casing point will be at approximately 7,747? MD/ 7,454? TVD. The grade will be upgraded to 7?, 26 ppf, HCP-110, LTC casing. The safety factors for 7?, 26 ppf, HCP-110 will be changed to; Tension S.F 4.83, Collapse S.F 2.24, and Burst S.F. 2.53. Please see attached file for Weatherford updated well plan.

BOPCO L.P. respectfully requests to change the cement on the 7? production casing as follows:

Stage 1: Lead ? Tuned Light + 0.125 lbm/sk Poly-E-Flake ? 270 sks -11 lbm/gal ? 2.64 ft3/sk yield ?

UD Accounted for record 1/8/2014

14. I hereby certify that the foregoing is true and correct.		RECEIVED JAN 08 2014 NMOCD ARTESIA
Electronic Submission #230511 verified by the BLM Well Information System For BOPCO LP, sent to the Carlsbad Committed to AFMSS for processing by CHRISTOPHER WALLS on 01/06/2014 (14CRW0167SE)		
Name (Printed/Typed) JEREMY BRADEN	Title ENGINEERING ASSISTANT	
Signature (Electronic Submission)	Date 12/26/2013	

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	JAN 6 2014 /s/ Chris Walls
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #230511 that would not fit on the form

32. Additional remarks, continued

14.84 gal/sk water ratio.

Tail ? Versacem + 0.5% Halad(R) 344 + 0.4% CFR-3 + 1 lbm/sk salt ? 120 sks ? 13 lbm/gal ? 1.67 ft3/sk yield ? 8.88 gal/sk water.

Stage 2: Lead ? Tuned Light + 0.125 lbm/sk Poly-E-Flake ? 400 sacks ? 11 lbm/gal ? 2.55 ft3/sk yield -13.60 gal/sk water.

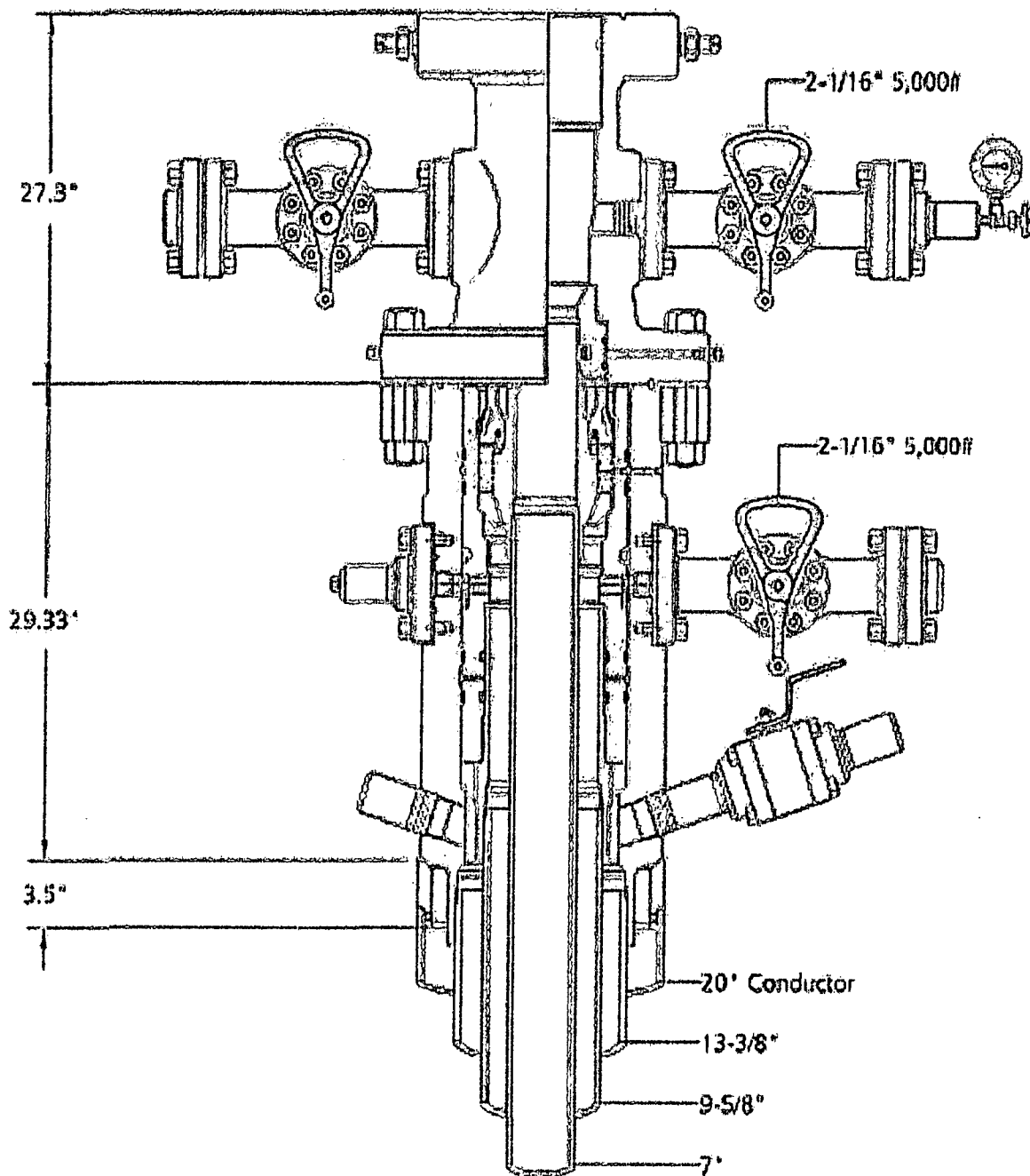
Tail ? Halcem C ? 100 sks ? 14.80 lbm/gal ? 1.33 ft3/sk yield ? 6.34 gal/sk water.

BOPCO, L.P. respectfully requests to change plans for BOP testing due to the utilization of the Cameron MBS wellhead. BOPCO L.P. respectfully requests to nipple up and test BOPE on surface casing to 3,000 psi high and 250 psi low which will cover testing requirements for the duration of the well. Please find attached the schematic of the wellhead. The field report from the Cameron representative and the BOP test information will be provided in a subsequent report at the end of the well.

Notes: Dimensional information reflected on this drawing are estimated measurements only.



Diagram Z



BOPCO
Project: South East New Mexico





Weatherford®

Drilling Services

Proposal

BOPCO, L.P.

POKER LAKE UNIT 322H

EDDY CO, NM

WELL FILE: **PLAN 2**

DECEMBER 5, 2013

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com

BOPCO, L.P.

Poker Lake Unit 322H
Eddy Co, NM

KB ELEV: 3355
GL ELEV: 3336

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	6847.54	0.00	0.00	6847.54	0.00	0.00	0.00	0.00	0.00	
3	7547.54	70.00	157.50	7385.94	-348.30	144.27	10.00	157.50	354.68	
4	7747.54	70.00	157.50	7454.35	-521.93	216.19	0.00	0.00	531.50	
5	7940.94	89.34	157.50	7488.86	-696.88	288.66	10.00	0.00	709.66	
6	8690.98	89.34	135.00	7497.62	-1316.46	702.67	3.00	-90.13	1446.54	
7	16482.58	89.34	135.00	7587.50	-6825.32	6212.06	0.00	0.00	9229.01	PBHL

SITE DETAILS

Poker Lake Unit 322H
Site Centre Northing: 452210.82
Easting: 635433.67
Ground Level: 3336.00
Positional Uncertainty: 0.00
Convergence: 0.23

WELL DETAILS

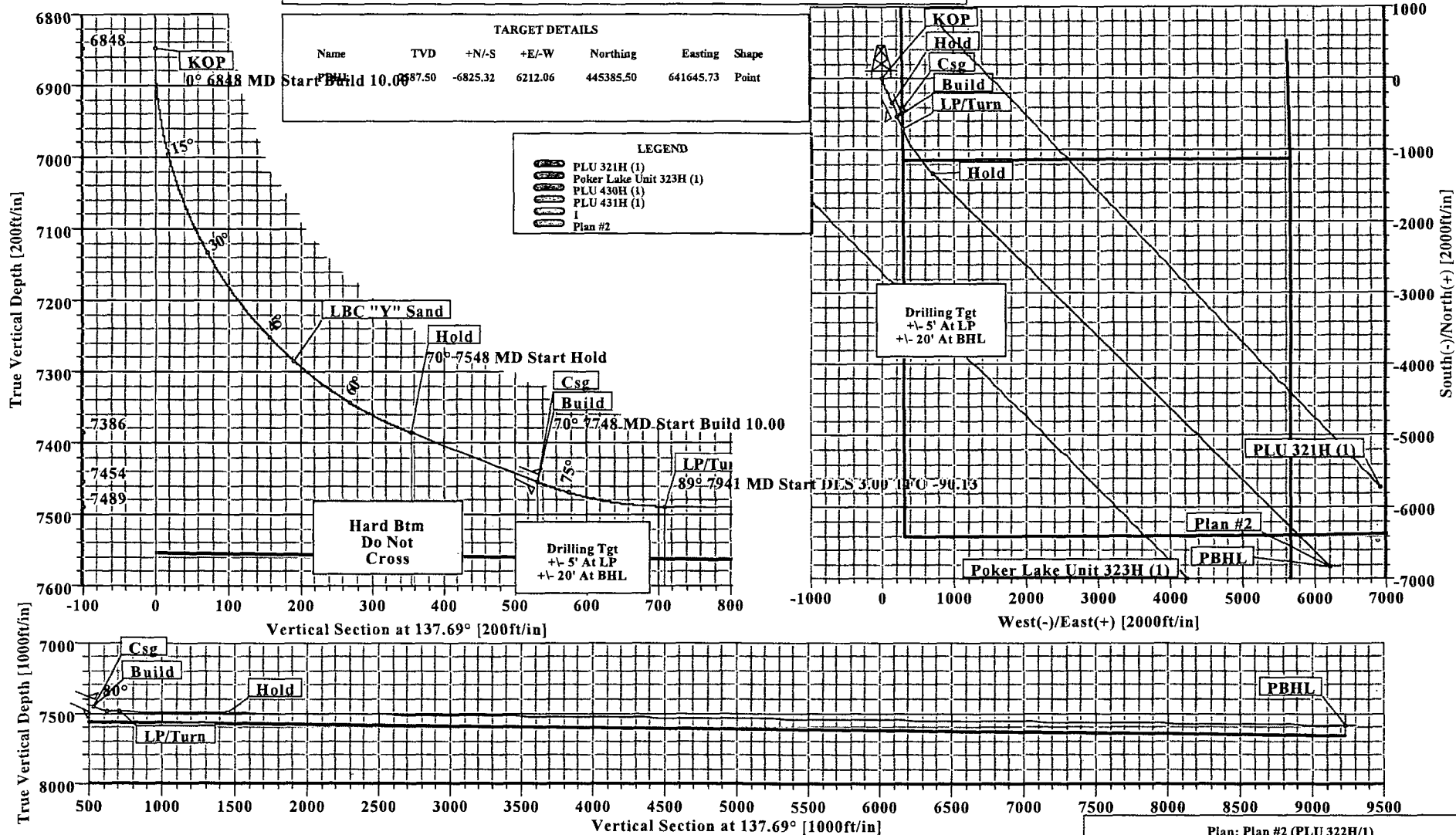
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
PLU 322H	0.00	0.00	452210.82	635433.67	32°14'32.947N	103°53'43.037W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	7587.50	-6825.32	6212.06	445385.50	641645.73	Point

LEGEND

- PLU 321H (1)
- Poker Lake Unit 323H (1)
- PLU 430H (1)
- PLU 431H (1)
- Plan #2



Weatherford

Wft Plan Report X Y's.



Weatherford

Company: BOPCO, L.P. Field: Eddy County, NM (Nad 27) Site: Poker Lake Unit 322H Well: PLU 322H Wellpath: 1	Date: 12/5/2013 Time: 15:18:10 Page: 1 Co-ordinate(NE) Reference: Well: PLU 322H, Grid North Vertical (TVD) Reference: SITE 3355.0 Section (VS) Reference: Well (0.00N,0.00E,137.69Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Plan: Plan #2 Principal: Yes	Date Composed: 6/14/2012 Version: 1 Tied-to: From Surface
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Site: Poker Lake Unit 322H

Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3336.00 ft	Northing: 452210.82 ft Easting: 635433.67 ft	Latitude: 32 14 32.947 N Longitude: 103 53 43.037 W North Reference: Grid Grid Convergence: 0.23 deg
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Well: PLU 322H Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft	Slot Name: Northing: 452210.82 ft Easting: 635433.67 ft Latitude: 32 14 32.947 N Longitude: 103 53 43.037 W
--	--

Wellpath: 1 Current Datum: SITE Magnetic Data: 12/15/2012 Field Strength: 48467 nT Vertical Section: Depth From (TVD) ft	Height 3355.00 ft +N/-S ft +E/-W ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 7.55 deg Mag Dip Angle: 60.11 deg Direction deg
0.00	0.00	0.00 137.69

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	
6847.54	0.00	0.00	6847.54	0.00	0.00	0.00	0.00	0.00	0.00	
7547.54	70.00	157.50	7385.94	-348.30	144.27	10.00	10.00	0.00	157.50	
7747.54	70.00	157.50	7454.35	-521.93	216.19	0.00	0.00	0.00	0.00	
7940.94	89.34	157.50	7488.86	-696.88	288.66	10.00	10.00	0.00	0.00	
8690.98	89.34	135.00	7497.62	-1316.46	702.67	3.00	0.00	-3.00	-90.13	
16482.58	89.34	135.00	7587.50	-6825.32	6212.06	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	MapN ft	MapE ft	Comments
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	452210.82	635433.67	
6847.54	0.00	0.00	6847.54	0.00	0.00	0.00	0.00	452210.82	635433.67	KOP
6900.00	5.25	157.50	6899.93	-2.22	0.92	2.26	10.00	452208.60	635434.59	
7000.00	15.25	157.50	6998.21	-18.63	7.72	18.97	10.00	452192.19	635441.39	
7100.00	25.25	157.50	7091.91	-50.56	20.94	51.49	10.00	452160.26	635454.61	
7200.00	35.25	157.50	7178.19	-97.04	40.19	98.82	10.00	452113.78	635473.86	
7300.00	45.25	157.50	7254.42	-156.65	64.89	159.52	10.00	452054.17	635498.56	
7345.29	49.77	157.50	7285.00	-187.50	77.66	190.94	10.00	452023.32	635511.33	LBC "Y" Sand
7400.00	55.25	157.50	7318.29	-227.59	94.27	231.76	10.00	451983.23	635527.94	
7500.00	65.25	157.50	7367.85	-307.70	127.45	313.34	10.00	451903.12	635561.12	
7547.54	70.00	157.50	7385.94	-348.30	144.27	354.68	10.00	451862.52	635577.94	Hold
7600.00	70.00	157.50	7403.89	-393.84	163.13	401.06	0.00	451816.98	635596.80	
7700.00	70.00	157.50	7438.09	-480.66	199.09	489.47	0.00	451730.16	635632.76	
7747.54	70.00	157.50	7454.35	-521.93	216.19	531.50	0.00	451688.89	635649.86	Csg
7800.00	75.25	157.50	7470.01	-568.17	235.34	578.59	10.00	451642.65	635669.01	
7900.00	85.25	157.50	7486.93	-659.11	273.01	671.19	10.00	451551.71	635706.68	
7940.94	89.34	157.50	7488.86	-696.88	288.66	709.66	10.00	451513.94	635722.33	LP/Turn
8000.00	89.34	155.73	7489.55	-751.08	312.10	765.52	3.00	451459.74	635745.77	
8100.00	89.33	152.73	7490.71	-841.12	355.57	861.37	3.00	451369.70	635789.24	
8200.00	89.33	149.73	7491.88	-928.76	403.69	958.57	3.00	451282.06	635837.36	

Weatherford

Wft Plan Report X Y's.



Weatherford®

Company: BOPCO, L.P.
Field: Eddy County, NM (Nad 27)
Site: Poker Lake Unit 322H
Well: PLU 322H
Wellpath: 1

Date: 12/5/2013 Time: 15:18:10 Page: 2
Co-ordinate(NE) Reference: Well: PLU 322H, Grid North
Vertical (TVD) Reference: SITE 3355.0
Section (VS) Reference: Well (0.00N,0.00E,137.69Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
8300.00	89.33	146.73	7493.05	-1013.76	456.34	1056.87	3.00	451197.06	635890.01	
8400.00	89.33	143.73	7494.23	-1095.88	513.36	1155.98	3.00	451114.94	635947.03	
8500.00	89.33	140.73	7495.40	-1174.91	574.60	1255.65	3.00	451035.91	636008.27	
8600.00	89.33	137.73	7496.57	-1250.63	639.90	1355.60	3.00	450960.19	636073.57	
8690.98	89.34	135.00	7497.62	-1316.46	702.67	1446.54	3.00	450894.36	636136.34	Hold
8700.00	89.34	135.00	7497.73	-1322.84	709.05	1455.55	0.00	450887.98	636142.72	
8800.00	89.34	135.00	7498.88	-1393.54	779.76	1555.43	0.00	450817.28	636213.43	
8900.00	89.34	135.00	7500.03	-1464.24	850.47	1655.31	0.00	450746.58	636284.14	
9000.00	89.34	135.00	7501.19	-1534.95	921.18	1755.20	0.00	450675.87	636354.85	
9100.00	89.34	135.00	7502.34	-1605.65	991.89	1855.08	0.00	450605.17	636425.56	
9200.00	89.34	135.00	7503.49	-1676.35	1062.60	1954.96	0.00	450534.47	636496.27	
9300.00	89.34	135.00	7504.65	-1747.05	1133.30	2054.85	0.00	450463.77	636566.97	
9400.00	89.34	135.00	7505.80	-1817.76	1204.01	2154.73	0.00	450393.06	636637.68	
9500.00	89.34	135.00	7506.95	-1888.46	1274.72	2254.61	0.00	450322.36	636708.39	
9600.00	89.34	135.00	7508.11	-1959.16	1345.43	2354.49	0.00	450251.66	636779.10	
9700.00	89.34	135.00	7509.26	-2029.86	1416.14	2454.38	0.00	450180.96	636849.81	
9800.00	89.34	135.00	7510.42	-2100.57	1486.85	2554.26	0.00	450110.25	636920.52	
9900.00	89.34	135.00	7511.57	-2171.27	1557.56	2654.14	0.00	450039.55	636991.23	
10000.00	89.34	135.00	7512.72	-2241.97	1628.27	2754.03	0.00	449968.85	637061.94	
10100.00	89.34	135.00	7513.88	-2312.68	1698.98	2853.91	0.00	449898.14	637132.65	
10200.00	89.34	135.00	7515.03	-2383.38	1769.69	2953.79	0.00	449827.44	637203.36	
10300.00	89.34	135.00	7516.18	-2454.08	1840.40	3053.67	0.00	449756.74	637274.07	
10400.00	89.34	135.00	7517.34	-2524.78	1911.11	3153.56	0.00	449686.04	637344.78	
10500.00	89.34	135.00	7518.49	-2595.49	1981.82	3253.44	0.00	449615.33	637415.49	
10600.00	89.34	135.00	7519.64	-2666.19	2052.53	3353.32	0.00	449544.63	637486.20	
10700.00	89.34	135.00	7520.80	-2736.89	2123.24	3453.21	0.00	449473.93	637556.91	
10800.00	89.34	135.00	7521.95	-2807.59	2193.95	3553.09	0.00	449403.23	637627.62	
10900.00	89.34	135.00	7523.10	-2878.30	2264.65	3652.97	0.00	449332.52	637698.32	
11000.00	89.34	135.00	7524.26	-2949.00	2335.36	3752.86	0.00	449261.82	637769.03	
11100.00	89.34	135.00	7525.41	-3019.70	2406.07	3852.74	0.00	449191.12	637839.74	
11200.00	89.34	135.00	7526.56	-3090.40	2476.78	3952.62	0.00	449120.42	637910.45	
11300.00	89.34	135.00	7527.72	-3161.11	2547.49	4052.50	0.00	449049.71	637981.16	
11400.00	89.34	135.00	7528.87	-3231.81	2618.20	4152.39	0.00	448979.01	638051.87	
11500.00	89.34	135.00	7530.03	-3302.51	2688.91	4252.27	0.00	448908.31	638122.58	
11600.00	89.34	135.00	7531.18	-3373.21	2759.62	4352.15	0.00	448837.61	638193.29	
11700.00	89.34	135.00	7532.33	-3443.92	2830.33	4452.04	0.00	448766.90	638264.00	
11800.00	89.34	135.00	7533.49	-3514.62	2901.04	4551.92	0.00	448696.20	638334.71	
11900.00	89.34	135.00	7534.64	-3585.32	2971.75	4651.80	0.00	448625.50	638405.42	
12000.00	89.34	135.00	7535.79	-3656.02	3042.46	4751.68	0.00	448554.80	638476.13	
12100.00	89.34	135.00	7536.95	-3726.73	3113.17	4851.57	0.00	448484.09	638546.84	
12200.00	89.34	135.00	7538.10	-3797.43	3183.88	4951.45	0.00	448413.39	638617.55	
12300.00	89.34	135.00	7539.25	-3868.13	3254.59	5051.33	0.00	448342.69	638688.26	
12400.00	89.34	135.00	7540.41	-3938.83	3325.30	5151.22	0.00	448271.99	638758.97	
12500.00	89.34	135.00	7541.56	-4009.54	3396.00	5251.10	0.00	448201.28	638829.67	
12600.00	89.34	135.00	7542.71	-4080.24	3466.71	5350.98	0.00	448130.58	638900.38	
12700.00	89.34	135.00	7543.87	-4150.94	3537.42	5450.86	0.00	448059.88	638971.09	
12800.00	89.34	135.00	7545.02	-4221.64	3608.13	5550.75	0.00	447989.18	639041.80	
12900.00	89.34	135.00	7546.17	-4292.35	3678.84	5650.63	0.00	447918.47	639112.51	
13000.00	89.34	135.00	7547.33	-4363.05	3749.55	5750.51	0.00	447847.77	639183.22	
13100.00	89.34	135.00	7548.48	-4433.75	3820.26	5850.40	0.00	447777.07	639253.93	
13200.00	89.34	135.00	7549.63	-4504.45	3890.97	5950.28	0.00	447706.37	639324.64	
13300.00	89.34	135.00	7550.79	-4575.16	3961.68	6050.16	0.00	447635.66	639395.35	
13400.00	89.34	135.00	7551.94	-4645.86	4032.39	6150.05	0.00	447564.96	639466.06	

Weatherford

Wft Plan Report X Y's.



Weatherford®

Company: BOPCO, L.P. Field: Eddy County, NM (Nad 27) Site: Poker Lake Unit 322H Well: PLU 322H Wellpath: 1	Date: 12/5/2013 Time: 15:18:10 Page: 3 Co-ordinate(NE) Reference: Well: PLU 322H, Grid North Vertical (TVD) Reference: SITE 3355.0' Section (VS) Reference: Well (0.00N,0.00E,137.69Azi) 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	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comments
13500.00	89.34	135.00	7553.10	-4716.56	4103.10	6249.93	0.00	447494.26	639536.77	
13600.00	89.34	135.00	7554.25	-4787.26	4173.81	6349.81	0.00	447423.56	639607.48	
13700.00	89.34	135.00	7555.40	-4857.97	4244.52	6449.69	0.00	447352.85	639678.19	
13800.00	89.34	135.00	7556.56	-4928.67	4315.23	6549.58	0.00	447282.15	639748.90	
13900.00	89.34	135.00	7557.71	-4999.37	4385.94	6649.46	0.00	447211.45	639819.61	
14000.00	89.34	135.00	7558.86	-5070.08	4456.65	6749.34	0.00	447140.74	639890.32	
14100.00	89.34	135.00	7560.02	-5140.78	4527.35	6849.23	0.00	447070.04	639961.02	
14200.00	89.34	135.00	7561.17	-5211.48	4598.06	6949.11	0.00	446999.34	640031.73	
14300.00	89.34	135.00	7562.32	-5282.18	4668.77	7048.99	0.00	446928.64	640102.44	
14400.00	89.34	135.00	7563.48	-5352.89	4739.48	7148.87	0.00	446857.93	640173.15	
14500.00	89.34	135.00	7564.63	-5423.59	4810.19	7248.76	0.00	446787.23	640243.86	
14600.00	89.34	135.00	7565.78	-5494.29	4880.90	7348.64	0.00	446716.53	640314.57	
14700.00	89.34	135.00	7566.94	-5564.99	4951.61	7448.52	0.00	446645.83	640385.28	
14800.00	89.34	135.00	7568.09	-5635.70	5022.32	7548.41	0.00	446575.12	640455.99	
14900.00	89.34	135.00	7569.24	-5706.40	5093.03	7648.29	0.00	446504.42	640526.70	
15000.00	89.34	135.00	7570.40	-5777.10	5163.74	7748.17	0.00	446433.72	640597.41	
15100.00	89.34	135.00	7571.55	-5847.80	5234.45	7848.06	0.00	446363.02	640668.12	
15200.00	89.34	135.00	7572.71	-5918.51	5305.16	7947.94	0.00	446292.31	640738.83	
15300.00	89.34	135.00	7573.86	-5989.21	5375.87	8047.82	0.00	446221.61	640809.54	
15400.00	89.34	135.00	7575.01	-6059.91	5446.58	8147.70	0.00	446150.91	640880.25	
15500.00	89.34	135.00	7576.17	-6130.61	5517.29	8247.59	0.00	446080.21	640950.96	
15600.00	89.34	135.00	7577.32	-6201.32	5588.00	8347.47	0.00	446009.50	641021.67	
15700.00	89.34	135.00	7578.47	-6272.02	5658.71	8447.35	0.00	445938.80	641092.38	
15800.00	89.34	135.00	7579.63	-6342.72	5729.41	8547.24	0.00	445868.10	641163.08	
15900.00	89.34	135.00	7580.78	-6413.42	5800.12	8647.12	0.00	445797.40	641233.79	
16000.00	89.34	135.00	7581.93	-6484.13	5870.83	8747.00	0.00	445726.69	641304.50	
16100.00	89.34	135.00	7583.09	-6554.83	5941.54	8846.88	0.00	445655.99	641375.21	
16200.00	89.34	135.00	7584.24	-6625.53	6012.25	8946.77	0.00	445585.29	641445.92	
16300.00	89.34	135.00	7585.39	-6696.23	6082.96	9046.65	0.00	445514.59	641516.63	
16400.00	89.34	135.00	7586.55	-6766.94	6153.67	9146.53	0.00	445443.88	641587.34	
16482.58	89.34	135.00	7587.50	-6825.32	6212.06	9229.01	0.00	445385.50	641645.73	PBHL

Targets

Name	Description Dip.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
PBHL		7587.50	-6825.32	6212.06	445385.50	641645.73	32	13	25.147 N	103	52	31.046 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
7747.54	7454.35	0.000	0.000	Csg

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
7345.29	7285.00	LBC "Y" Sand		0.00	0.00

Weatherford
Wft Plan Report X Y's.



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Company: BOPCO, L.P.	Date: 12/5/2013	Time: 15:18:10	Page: 4
Field: Eddy County, NM (Nad 27)	Co-ordinate(NE) Reference: Well: PLU 322H, Grid North		
Site: Poker Lake Unit 322H	Vertical (TVD) Reference: SITE 3355.0		
Well: PLU 322H	Section (VS) Reference: Well (0.00N,0.00E,137.69Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature		Db: Sybase

Annotation

MD ft	TVD ft	
6847.54	6847.54	KOP
7547.54	7385.94	Hold
7747.54	7454.35	Build
7940.94	7488.86	LP/Turn
8690.98	7497.62	Hold
16482.57	7587.50	PBHL

**Weatherford®****Weatherford Drilling Services**

GeoDec v5.03

Report Date: December 05, 2013

Job Number: _____

Customer: BOPCO

Well Name: Poker Lake Unit 322H

API Number: _____

Rig Name: _____

Location: Eddy Co, NM

Block: _____

Engineer: RWJ

US State Plane 1927

Geodetic Latitude / Longitude

System: New Mexico East 3001 (NON-EXACT) System: Latitude / Longitude

Projection: SPC27 Transverse Mercator

Projection: Geodetic Latitude and Longitude

Datum: NAD 1927 (NADCON CONUS)

Datum: NAD 1927 (NADCON CONUS)

Ellipsoid: Clarke 1866

Ellipsoid: Clarke 1866

North/South 452210.820 USFT

Latitude 32.2424853 DEG

East/West 635433.670 USFT

Longitude -103.8952882 DEG

Grid Convergence: .23°

Total Correction: +7.30°

Geodetic Location WGS84

Elevation = 0.0 Meters

Latitude = 32.24249° N 32° 14 min 32.947 sec

Longitude = 103.89529° W 103° 53 min 43.037 sec

Magnetic Declination = 7.53° [True North Offset]

Local Gravity = .9988 g CheckSum = 6528

Local Field Strength = 48333 nT Magnetic Vector X = 23909 nT

Magnetic Dip = 60.07° Magnetic Vector Y = 3161 nT

Magnetic Model = bggm2013 Magnetic Vector Z = 41886 nT

Spud Date = Jan 30, 2014 Magnetic Vector H = 24117 nT

Signed: _____

Date: _____

Multibowl Wellhead
Conditions of Approval
Poker Lake Unit 322H
30-015-40791

A. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).
3. **Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi.**
 - a. **Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.**
 - b. **If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.**
 - c. **Manufacturer representative shall install the test plug for the initial BOP test.**
 - d. **Operator shall perform the 9-5/8" and 7" casing integrity tests to 70% of the casing burst. This will test the multi-bowl seals.**
 - e. **If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.**
4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours

after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time.

- b. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (18 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- c. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock.
- d. The results of the test shall be reported to the appropriate BLM office.
- e. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**
- f. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

CRW 010614