

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

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

2. Name of Operator **BOPCO, L. P.**

3a. Address
P. O. Box 2760, Midland, TX 79702

3b. Phone No. (include area code)
432-683-2277

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface: SESW, UL N, 310' FSL, 1340' FWL, Sec 22, T24S-R31E Lat N32.196306, Lg W103.769411
Bottom Hole: 330' FNL&2050' FWL, Sec 21, T24S, R31E, Lat N32.209053, Lg W103.784197

5. Lease Serial No.
BHL: NMNM 506A

6. If Indian, Allottee or Tribe Name
See pg 1 of 8 pt DP for lease info.

7. If Unit or CA/Agreement, Name and/or No.
Poker Lake unit NMNM71016X

8. Well Name and No.
Poker Lake Unit #400H

9. API Well No.
30-015-40802

10. Field and Pool, or Exploratory Area
Poker Lake (Delaware) SW

11. County or Parish, State
Eddy County New Mexico

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	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 recomple 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 recomple 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.)

BOPCO, L.P. is submitting this sundry to correct the surface location latitude and longitude that were incorrectly reported on the survey plat submitted with the original APD. The surface location latitude is being corrected from N32 11 50.56 to N32 11 46.70. The surface location longitude is being corrected from W103 46 15.02 to W103 46 09.88. We would also like to correct the MD to 14,404' from the 13,848' that was originally submitted. Attached is the corrected survey plat and directional plan.

Accepted for record
NMOCD 11/23/2012

RECEIVED
NOV 30 2012
NMOCD ARTESIA

APPROVED
NOV 28 2012
Jennifer Mason
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

original COH still stands

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Charles Warne

Title Drilling Engineer

Signature

Charles Warne

Date

11-21-12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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.

Title

Date

Office

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.

(Instructions on page 2)

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-0720

DISTRICT II

811 S. First St., Artesia, NM 88210
Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

RECEIVED

NOV 30 2012

NMOCD ARTESIA

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 96047	Pool Name PLU SW (DELAWARE)
Property Code 260737	Property Name POKER LAKE UNIT	Well Number 400H
OGRID No.	Operator Name BOPCO, L.P.	Elevation 3517'

Surface Location

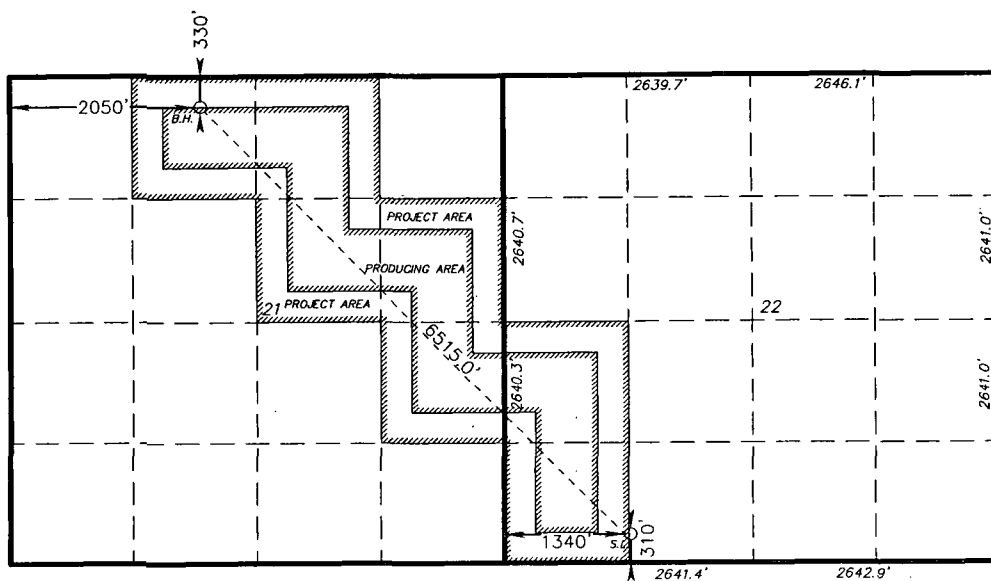
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	22	24 S	31 E		310	SOUTH	1340	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	21	24 S	31 E		330	NORTH	2050	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

PROPOSED BOTTOM
HOLE LOCATION

Lat - N 32°12'32.59"
Long - W 103°47'03.11"
NMSPEC - N 440206.735
E 669842.666
(NAD-27)

SURFACE LOCATION
DELAWARE PT

Lat - N 32°11'46.70"
Long - W 103°46'09.88"
NMSPEC - N 435593.486
E 674440.342
(NAD-27)

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Charles W. Lane 11-21-12
Signature Date

Charles W. Lane
Printed Name
clw@wpc.com
Email Address

SURVEYOR CERTIFICATION

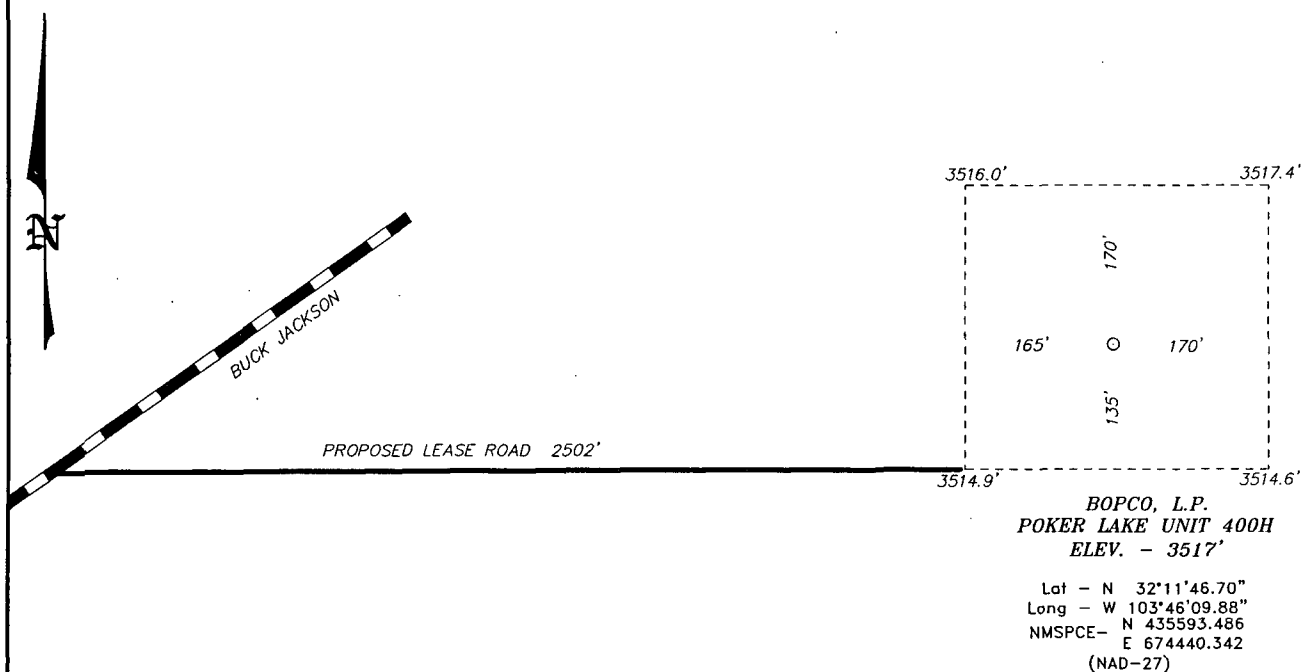
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

GARY L. JONES
Date Surveyed
Signature of Professional Surveyor
7977

Certificate No. Gary L. Jones 7977

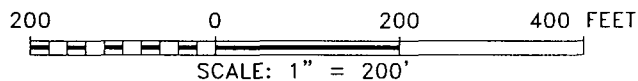
BASIN SURVEYS 26012

SECTION 22, TOWNSHIP 24 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, WELL PAD LAYOUT NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF BUCK THORN AND BUCK JACKSON, GO NORTHEAST ON BUCK JACKSON FOR 0.6 MILES TO PROPOSED LOCATION.



BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 26012 Drawn By: J. SMALL

Date: 03-13-2012 Disk: JMS 26012

BOPCO, L.P.

REF: POKER LAKE UNIT 400H / WELL PAD TOPO

THE POKER LAKE UNIT 400H LOCATED 310'
FROM THE SOUTH LINE AND 1340' FROM THE WEST LINE OF
SECTION 22, TOWNSHIP 24 SOUTH, RANGE 31 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 03-06-2012 Sheet 1 of 6 Sheets



Weatherford®

Drilling Services

Proposal

BOPCO, L.P.

POKER LAKE UNIT 400H

EDDY CO, NM

WELL FILE: **PLAN 4**

NOVEMBER 20, 2012

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 400H Eddy Co, NM

KB ELEV: 3536
GL ELEV: 3517

SECTION DETAILS

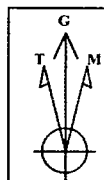
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	315.09	0.00	0.00	0.00	0.00	0.00	0.00	
2	7537.11	0.00	315.09	7537.11	0.00	0.00	0.00	0.00	0.00	
3	8137.11	60.00	315.09	8033.30	202.91	-202.24	10.00	315.09	286.48	
4	8337.11	60.00	315.09	8133.30	325.58	-324.51	0.00	0.00	459.68	
5	8638.11	90.10	315.09	8210.06	529.20	-527.45	10.00	0.00	747.16	
6	14404.28	90.10	315.09	8200.00	4613.22	-4598.01	0.00	0.00	6513.33	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
PLU 400H	0.00	0.00	435593.51	674440.68	32°11'46.702N	103°46'09.880W	N/A

TARGET DETAILS

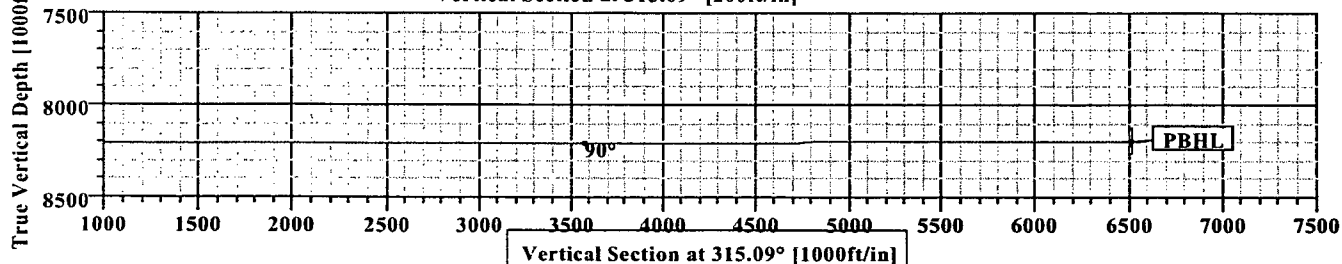
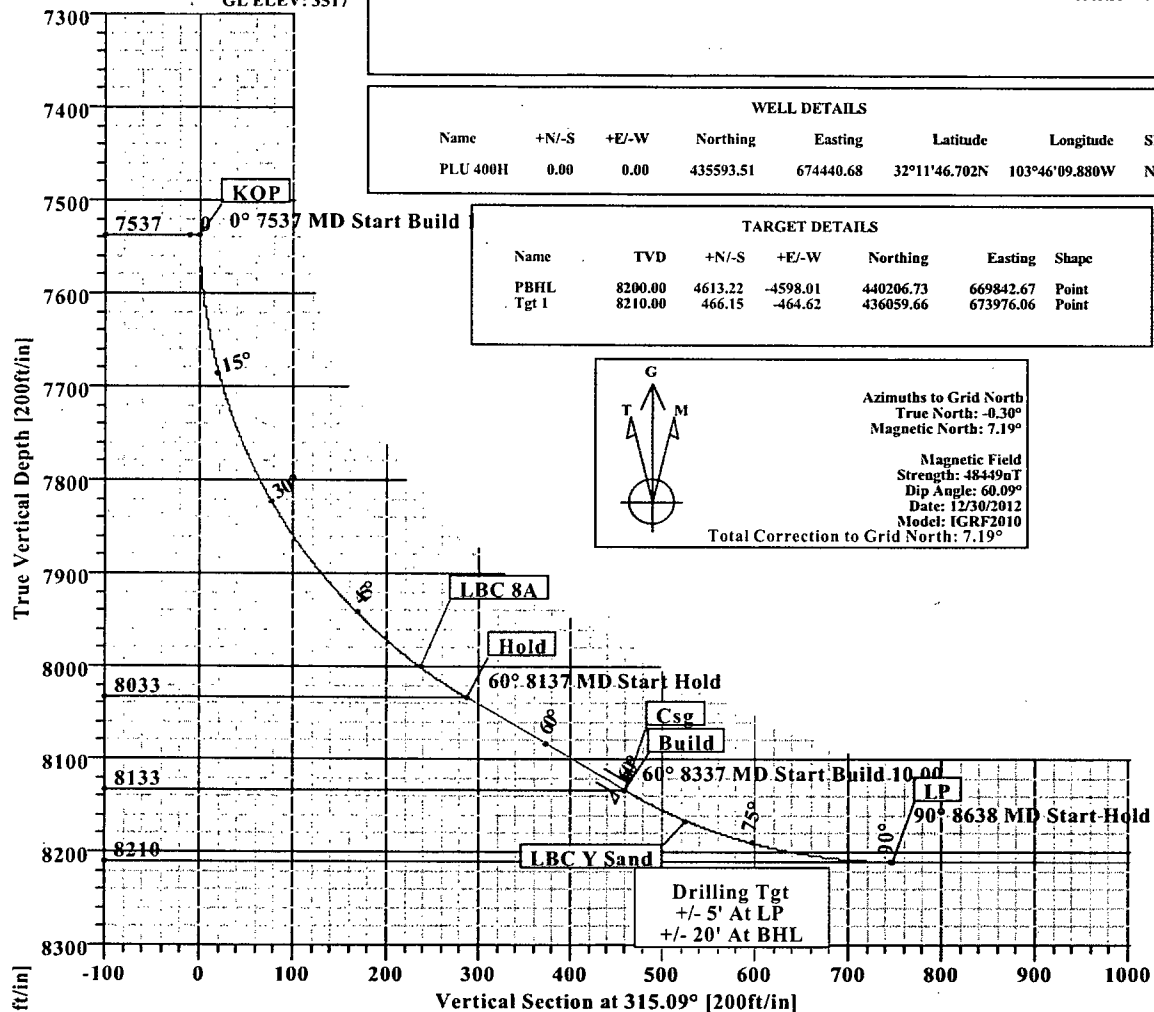
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8200.00	4613.22	-4598.01	440206.73	669842.67	Point
Tgt 1	8210.00	466.15	-464.62	436059.66	673976.06	Point



Azimuths to Grid North
True North: -0.30°
Magnetic North: 7.19°

Magnetic Field
Strength: 48449nT
Dip Angle: 60.09°
Date: 12/30/2012
Model: IGRF2010

Total Correction to Grid North: 7.19°



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

SITE DETAILS

Poker Lake Unit 400H

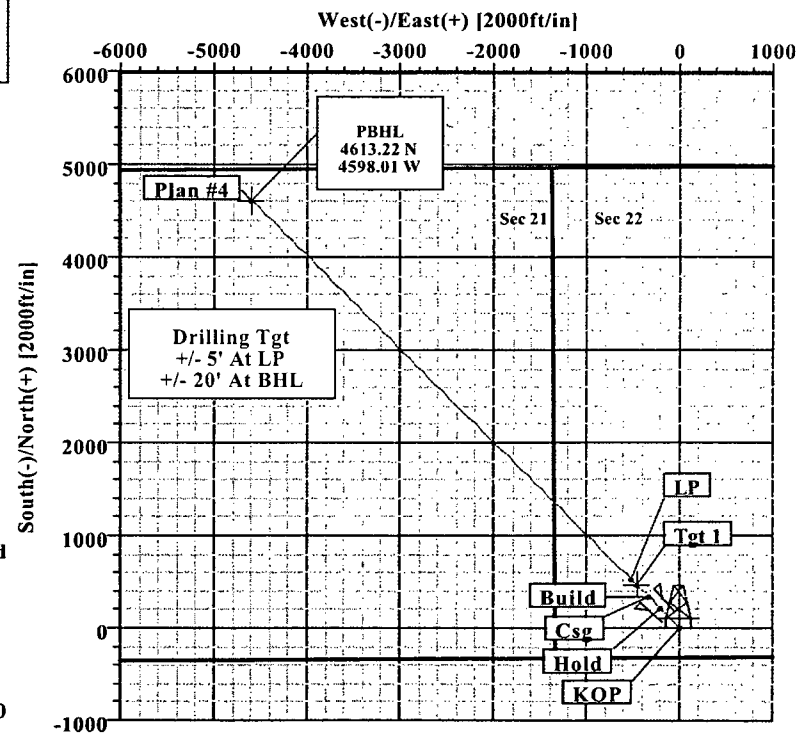
Site Centre Northing: 435593.51

Easting: 674440.68

Ground Level: 3517.00

Positional Uncertainty: 0.00

Convergence: 0.30



Weatherford

LEGEND

- Thistle Unit #18H (1)
- Plan #4

Plan: Plan #4 (PLU 400H/1)

Created By: Russell Joyner

Date: 11/20/2012

Weatherford International Ltd.

WFT Plan Report - X & Y's

Company: BOPCO, L.P.	Date: 11/20/2012	Time: 09:38:47	Page: 1
Field: Eddy County, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: PLU 400H, Grid North	
Site: Poker Lake Unit 400H	Vertical (TVD) Reference:	SITE 3536.0	
Well: PLU 400H	Section (VS) Reference:	Well (0.00N,0.00E,315.09Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Plan: Plan #4	Date Composed: 11/9/2012	
	Version: 1	
Principal: Yes	Tied-to: From Surface	

Field: Eddy County, NM (Nad 27)

Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Poker Lake Unit 400H

Site Position:	Northing: 435593.51 ft	Latitude: 32 11 46.702 N	
From: Map	Easting: 674440.68 ft	Longitude: 103 46 9.880 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 3517.00 ft		Grid Convergence: 0.30 deg	

Well: PLU 400H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 435593.51 ft
+E/-W 0.00 ft	Easting: 674440.68 ft
Position Uncertainty: 0.00 ft	
	Latitude: 32 11 46.702 N
	Longitude: 103 46 9.880 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 12/30/2012	Above System Datum: Mean Sea Level
Field Strength: 48449 nT	Declination: 7.49 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.09 deg
ft	+N/-S
	+E/-W
	Direction
	deg
0.00	0.00
0.00	0.00
0.00	315.09

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	315.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7537.11	0.00	315.09	7537.11	0.00	0.00	0.00	0.00	0.00	0.00	
8137.11	60.00	315.09	8033.30	202.91	-202.24	10.00	10.00	0.00	315.09	
8337.11	60.00	315.09	8133.30	325.58	-324.51	0.00	0.00	0.00	0.00	
8638.11	90.10	315.09	8210.06	529.20	-527.45	10.00	10.00	0.00	0.00	
14404.28	90.10	315.09	8200.00	4613.22	-4598.01	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	Comment
7500.00	0.00	315.09	7500.00	0.00	0.00	0.00	0.00	435593.51	674440.68	
7537.11	0.00	315.09	7537.11	0.00	0.00	0.00	0.00	435593.51	674440.68	KOP
7550.00	1.29	315.09	7550.00	0.10	-0.10	0.15	10.00	435593.61	674440.58	
7600.00	6.29	315.09	7599.87	2.44	-2.43	3.45	10.00	435595.95	674438.25	
7650.00	11.29	315.09	7649.27	7.85	-7.83	11.09	10.00	435601.36	674432.85	
7700.00	16.29	315.09	7697.81	16.29	-16.24	23.00	10.00	435609.80	674424.44	
7750.00	21.29	315.09	7745.13	27.69	-27.60	39.10	10.00	435621.20	674413.08	
7800.00	26.29	315.09	7790.87	41.97	-41.84	59.26	10.00	435635.48	674398.84	
7850.00	31.29	315.09	7834.68	59.02	-58.83	83.33	10.00	435652.53	674381.85	
7900.00	36.29	315.09	7876.22	78.71	-78.45	111.13	10.00	435672.22	674362.23	
7950.00	41.29	315.09	7915.18	100.89	-100.56	142.44	10.00	435694.40	674340.12	
8000.00	46.29	315.09	7951.26	125.39	-124.98	177.03	10.00	435718.90	674315.70	
8050.00	51.29	315.09	7984.19	152.02	-151.52	214.64	10.00	435745.53	674289.16	
8077.72	54.06	315.09	8001.00	167.63	-167.08	236.68	10.00	435761.14	674273.60	LBC 8A
8100.00	56.29	315.09	8013.72	180.59	-179.99	254.97	10.00	435774.10	674260.69	

Weatherford International Ltd.

WFT Plan Report - X & Y's

Company: BOPCO, L.P.
 Field: Eddy County, NM (Nad 27)
 Site: Poker Lake Unit 400H
 Well: PLU 400H
 Wellpath: 1

Date: 11/20/2012 Time: 09:38:47 Page: 2
 Co-ordinate(NE) Reference: Well: PLU 400H, Grid North
 Vertical (TVD) Reference: SITE 3536.0
 Section (VS) Reference: Well (0.00N,0.00E,315.09Azi)
 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
8137.11	60.00	315.09	8033.30	202.91	-202.24	286.48	10.00	435796.42	674238.44	Hold
8200.00	60.00	315.09	8064.75	241.48	-240.69	340.95	0.00	435834.99	674199.99	
8300.00	60.00	315.09	8114.75	302.82	-301.82	427.55	0.00	435896.33	674138.86	
8337.11	60.00	315.09	8133.30	325.58	-324.51	459.68	0.00	435919.09	674116.17	Csg
8350.00	61.29	315.09	8139.62	333.54	-332.44	470.92	10.00	435927.05	674108.24	
8400.00	66.29	315.09	8161.70	365.30	-364.10	515.77	10.00	435958.81	674076.58	
8410.93	67.38	315.09	8166.00	372.42	-371.19	525.82	10.00	435965.93	674069.49	LBC Y Sand
8450.00	71.29	315.09	8179.78	398.31	-396.99	562.36	10.00	435991.82	674043.69	
8500.00	76.29	315.09	8193.74	432.30	-430.88	610.36	10.00	436025.81	674009.80	
8550.00	81.29	315.09	8203.46	467.03	-465.49	659.39	10.00	436060.54	673975.19	
8600.00	86.29	315.09	8208.86	502.22	-500.57	709.08	10.00	436095.73	673940.11	
8638.11	90.10	315.09	8210.06	529.20	-527.45	747.16	10.00	436122.71	673913.23	LP
8700.00	90.10	315.09	8209.96	573.03	-571.14	809.06	0.00	436166.54	673869.54	
8800.00	90.10	315.09	8209.78	643.86	-641.74	909.06	0.00	436237.37	673798.94	
8900.00	90.10	315.09	8209.61	714.69	-712.33	1009.06	0.00	436308.20	673728.35	
9000.00	90.10	315.09	8209.43	785.51	-782.92	1109.06	0.00	436379.02	673657.76	
9100.00	90.10	315.09	8209.26	856.34	-853.52	1209.06	0.00	436449.85	673587.16	
9200.00	90.10	315.09	8209.08	927.17	-924.11	1309.06	0.00	436520.68	673516.57	
9300.00	90.10	315.09	8208.91	998.00	-994.71	1409.05	0.00	436591.51	673445.97	
9400.00	90.10	315.09	8208.73	1068.82	-1065.30	1509.05	0.00	436662.33	673375.38	
9500.00	90.10	315.09	8208.56	1139.65	-1135.89	1609.05	0.00	436733.16	673304.79	
9600.00	90.10	315.09	8208.38	1210.48	-1206.49	1709.05	0.00	436803.99	673234.19	
9700.00	90.10	315.09	8208.21	1281.31	-1277.08	1809.05	0.00	436874.82	673163.60	
9800.00	90.10	315.09	8208.04	1352.13	-1347.67	1909.05	0.00	436945.64	673093.01	
9900.00	90.10	315.09	8207.86	1422.96	-1418.27	2009.05	0.00	437016.47	673022.41	
10000.00	90.10	315.09	8207.69	1493.79	-1488.86	2109.05	0.00	437087.30	672951.82	
10100.00	90.10	315.09	8207.51	1564.61	-1559.46	2209.05	0.00	437158.12	672881.22	
10200.00	90.10	315.09	8207.34	1635.44	-1630.05	2309.05	0.00	437228.95	672810.63	
10300.00	90.10	315.09	8207.16	1706.27	-1700.64	2409.05	0.00	437299.78	672740.04	
10400.00	90.10	315.09	8206.99	1777.10	-1771.24	2509.05	0.00	437370.61	672669.44	
10500.00	90.10	315.09	8206.81	1847.92	-1841.83	2609.05	0.00	437441.43	672598.85	
10600.00	90.10	315.09	8206.64	1918.75	-1912.42	2709.05	0.00	437512.26	672528.26	
10700.00	90.10	315.09	8206.47	1989.58	-1983.02	2809.05	0.00	437583.09	672457.66	
10800.00	90.10	315.09	8206.29	2060.40	-2053.61	2909.05	0.00	437653.91	672387.07	
10900.00	90.10	315.09	8206.12	2131.23	-2124.21	3009.05	0.00	437724.74	672316.47	
11000.00	90.10	315.09	8205.94	2202.06	-2194.80	3109.05	0.00	437795.57	672245.88	
11100.00	90.10	315.09	8205.77	2272.89	-2265.39	3209.05	0.00	437866.40	672175.29	
11200.00	90.10	315.09	8205.59	2343.71	-2335.99	3309.05	0.00	437937.22	672104.69	
11300.00	90.10	315.09	8205.42	2414.54	-2406.58	3409.05	0.00	438008.05	672034.10	
11400.00	90.10	315.09	8205.24	2485.37	-2477.17	3509.05	0.00	438078.88	671963.51	
11500.00	90.10	315.09	8205.07	2556.20	-2547.77	3609.05	0.00	438149.71	671892.91	
11600.00	90.10	315.09	8204.89	2627.02	-2618.36	3709.05	0.00	438220.53	671822.32	
11700.00	90.10	315.09	8204.72	2697.85	-2688.95	3809.05	0.00	438291.36	671751.73	
11800.00	90.10	315.09	8204.55	2768.68	-2759.55	3909.05	0.00	438362.19	671681.13	
11900.00	90.10	315.09	8204.37	2839.50	-2830.14	4009.05	0.00	438433.01	671610.54	
12000.00	90.10	315.09	8204.20	2910.33	-2900.74	4109.05	0.00	438503.84	671539.94	
12100.00	90.10	315.09	8204.02	2981.16	-2971.33	4209.05	0.00	438574.67	671469.35	
12200.00	90.10	315.09	8203.85	3051.99	-3041.92	4309.05	0.00	438645.50	671398.76	
12300.00	90.10	315.09	8203.67	3122.81	-3112.52	4409.05	0.00	438716.32	671328.16	
12400.00	90.10	315.09	8203.50	3193.64	-3183.11	4509.05	0.00	438787.15	671257.57	
12500.00	90.10	315.09	8203.32	3264.47	-3253.70	4609.05	0.00	438857.98	671186.98	
12600.00	90.10	315.09	8203.15	3335.29	-3324.30	4709.05	0.00	438928.80	671116.38	
12700.00	90.10	315.09	8202.97	3406.12	-3394.89	4809.05	0.00	438999.63	671045.79	

Weatherford International Ltd.

WFT Plan Report - X & Y's

Company: BOPCO, L.P.	Date: 11/20/2012	Time: 09:38:47	Page: 3
Field: Eddy County, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: PLU 400H, Grid North	
Site: Poker Lake Unit 400H	Vertical (TVD) Reference:	SITE 3536.0	
Well: PLU 400H	Section (VS) Reference:	Well (0.00N,0.00E,315.09Azi)	
Wellpath: 1	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
12800.00	90.10	315.09	8202.80	3476.95	-3465.49	4909.05	0.00	439070.46	670975.19	
12900.00	90.10	315.09	8202.63	3547.78	-3536.08	5009.05	0.00	439141.29	670904.60	
13000.00	90.10	315.09	8202.45	3618.60	-3606.67	5109.05	0.00	439212.11	670834.01	
13100.00	90.10	315.09	8202.28	3689.43	-3677.27	5209.05	0.00	439282.94	670763.41	
13200.00	90.10	315.09	8202.10	3760.26	-3747.86	5309.05	0.00	439353.77	670692.82	
13300.00	90.10	315.09	8201.93	3831.09	-3818.45	5409.05	0.00	439424.60	670622.23	
13400.00	90.10	315.09	8201.75	3901.91	-3889.05	5509.05	0.00	439495.42	670551.63	
13500.00	90.10	315.09	8201.58	3972.74	-3959.64	5609.05	0.00	439566.25	670481.04	
13600.00	90.10	315.09	8201.40	4043.57	-4030.24	5709.05	0.00	439637.08	670410.44	
13700.00	90.10	315.09	8201.23	4114.39	-4100.83	5809.05	0.00	439707.90	670339.85	
13800.00	90.10	315.09	8201.05	4185.22	-4171.42	5909.05	0.00	439778.73	670269.26	
13900.00	90.10	315.09	8200.88	4256.05	-4242.02	6009.05	0.00	439849.56	670198.66	
14000.00	90.10	315.09	8200.71	4326.88	-4312.61	6109.05	0.00	439920.39	670128.07	
14100.00	90.10	315.09	8200.53	4397.70	-4383.20	6209.05	0.00	439991.21	670057.48	
14200.00	90.10	315.09	8200.36	4468.53	-4453.80	6309.05	0.00	440062.04	669986.88	
14300.00	90.10	315.09	8200.18	4539.36	-4524.39	6409.05	0.00	440132.87	669916.29	
14404.28	90.10	315.09	8200.00	4613.22	-4598.01	6513.33	0.00	440206.73	669842.67	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
PBHL			8200.00	4613.22	-4598.01	440206.73	669842.67	32 12 32.590 N	103 47 3.114 W
Tgt 1			8210.00	466.15	-464.62	436059.66	673976.06	32 11 51.339 N	103 46 15.258 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
8337.11	8133.30	0.000	0.000	Csg

Annotation

MD ft	TVD ft	
7537.11	7537.11	KOP
8137.11	8033.30	Hold
8337.11	8133.30	Build
8638.11	8210.06	LP
14404.28	8200.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
8077.72	8001.00	LBC 8A		0.00	0.00
8410.93	8166.00	LBC Y Sand		0.00	0.00

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

GeoDec v5.03

Report Date: November 09, 2012
Job Number: _____
Customer: BOPCO
Well Name: Poker Lake Unit 400H
API Number: _____
Rig Name: _____
Location: Eddy Co, NM
Block: _____
Engineer: KRN

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 435593.510 USFT	Latitude 32.1963062 DEG
East/West 674440.680 USFT	Longitude -103.7694110 DEG
Grid Convergence: .30°	
Total Correction: +7.19°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.19631° N	32° 11 min 46.702 sec
Longitude =	103.76941° W	103° 46 min 9.880 sec

Magnetic Declination =	7.49°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6649
Local Field Strength =	48445 nT	Magnetic Vector X = 23951 nT
Magnetic Dip =	60.09°	Magnetic Vector Y = 3148 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 41992 nT
Spud Date =	Dec 30, 2012	Magnetic Vector H = 24157 nT

Signed: _____ Date: _____