

30-015-39731

RECEIVED
Form 3160-3
(April 2004)
OCT 03 2012
NMOC DARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

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: NESE, UL H, 2,175' FNL, 350' FEL, Sec 4, T24S-R30E Lat N32.247958, Lg W103.878064
Bottom Hole: 2,540' FNL, 85' FEL, Sec 10, T24S, R30E, Lat N32.23486, Lg W103.8660033

5. Lease Serial No
SHL LC 068431; BHL LC068905

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No
Poker Lake Unit #318H

9. API Well No.

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

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 recompletable 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 recompletable 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. respectfully request approval to lengthen the Lateral on the PLU 318H from 15,370' MD (7,722' TVD) to 16,112' MD (7,735' TVD). The surface location was moved that 1/2 mile from measured potash ore to 1,530' FNL & 950' FEL, Sec. 4, T24S-R30E. The bottom hole location will remain the same @ 2,540' FNL & 85' FEL, Sec. 10, T24S-R30E as indicated in the original APD. The dedicated acreage has increased to 640 acres. New C-102 attached, and new directional plan is attached.

Liner for 7684

BOPCO, L.P. respectfully request approval to change the setting depth of 7" casing. The 7" casing will be set @ 7,734' MD (7,530' TVD) in the LBC 8A formation. The 7" casing will be cemented to surface in two stages with a DV Tool placed at approximately 5,000' MD. Cement volumes will be recalculated based on caliper log of 8-3/4" hole.

Cement as follows:

Cement Blends:

Stage 1:

Lead 140 sks Tuned Light "10.2 ppg, 2.70 ft3/sk, 12.19 gal/sk" (0.75 lbm/sk CFR-3, 1.5 lbm/sk salt, 0.25 lbm/sk Poly-E-Flake)

Tail 100 sks Vers Cem "13 ppg, 1.67 ft3/sk, 8.84 gal/sk" (0.5% Halad R-344, 0.4% CFR-3, 1 lbm/sk Salt)

Stage 2:

Lead 300 sks Tuned Light "10.2 ppg, 2.70 ft3/sk, 12.19 gal/sk" (0.75 lbm/sk CFR-3, 1.5 lbm/sk salt, 0.25 lbm/sk Poly-E-Flake)

Tail 50 sks HalCemC "14.8 ppg, 1.33 ft3/sk, 6.34 gal/sk"

Accepted for record

NMOC D

JCS
10/4/2012

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

Stephen Ordoyne

Title **Drilling Engineer**

Signature *Stephen Ordoyne*

Date *9/6/12*

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

Office

APPROVED
OCT 1 2012
s/ Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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
DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised July 18, 2010

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-39731	Pool Code 96046	Pool Name Poker Lake Delaware NW
Property Code 306402	Property Name POKER LAKE UNIT	Well Number 318H
OGRID No. 260737	Operator Name BOPCO, L.P.	Elevation 3408'

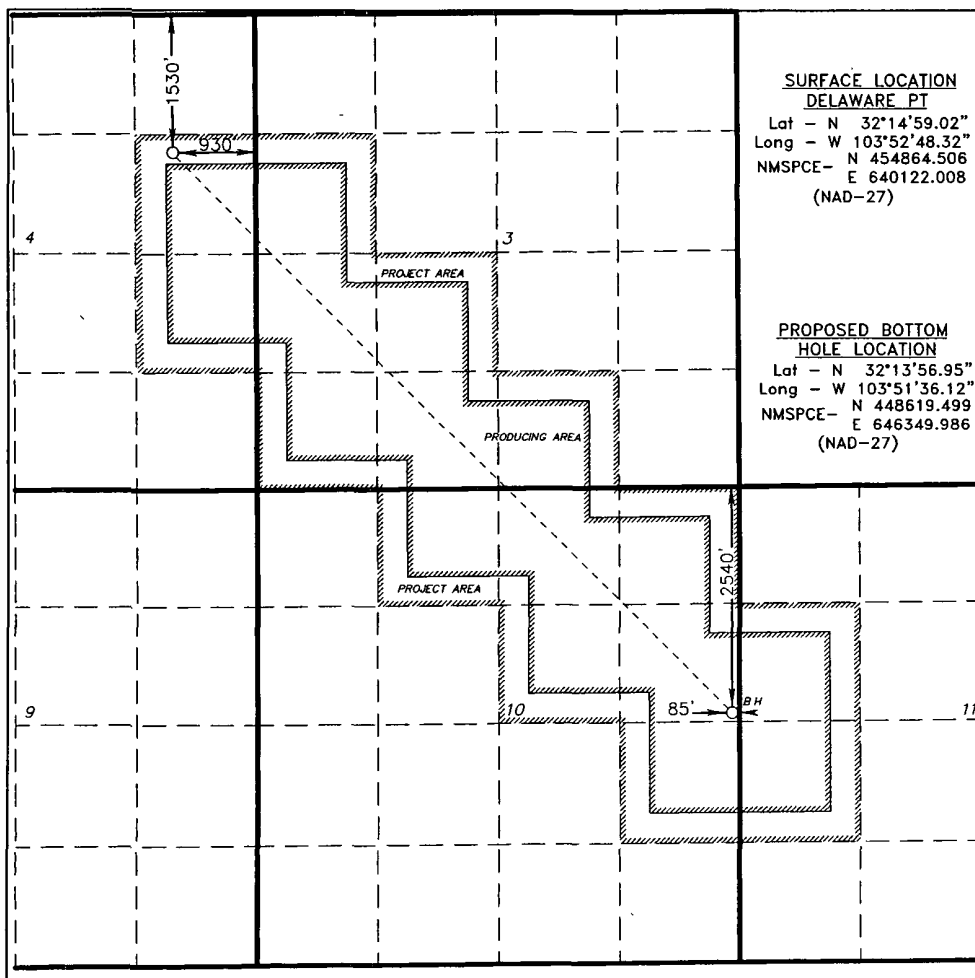
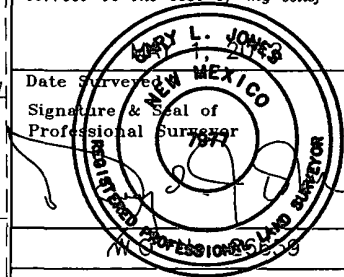
Surface Location

UL or lot No. H	Section 4	Township 24 S	Range 30 E	Lot Idn	Feet from the 1530	North/South line NORTH	Feet from the 930	East/West line EAST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No. H	Section 10	Township 24 S	Range 30 E	Lot Idn	Feet from the 2540	North/South line NORTH	Feet from the 85	East/West line EAST	County EDDY
Dedicated Acres 640	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

	SURFACE LOCATION DELAWARE PT Lat - N 32°14'59.02" Long - W 103°52'48.32" NMSPCE- N 454864.506 E 640122.008 (NAD-27) PROPOSED BOTTOM HOLE LOCATION Lat - N 32°13'56.95" Long - W 103°51'36.12" NMSPCE- N 448619.499 E 646349.986 (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. <i>Jeremy Braden</i> 9-6-12 Signature Date Jeremy Braden Printed Name jdbraden@basspet.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. Date Surveyed Signature & Seal of Professional Surveyor  Certificate No. Gary L. Jones 7977 BASIN SURVEYS 26659	



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Drilling Services

Proposal

BOPCO, L.P.

POKER LAKE UNIT 318H

EDDY CO, NM

WELL FILE: **PLAN 2**

SEPTEMBER 6, 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 318H Eddy Co, NM

LEGEND

PLU 332H (1)
333H (1)
1
Plan #2

KB ELEV: 3430
GL ELEV: 3408

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	135.08	0.00	0.00	0.00	0.00	0.00	0.00	
2	6933.85	0.00	135.08	6933.85	0.00	0.00	0.00	0.00	0.00	
3	7533.85	60.00	135.08	7430.05	-202.85	202.29	10.00	135.08	286.48	
4	7733.85	60.00	135.08	7530.05	-325.49	324.60	0.00	0.00	459.68	
5	8108.85	90.00	135.08	7626.00	-579.05	577.47	8.00	0.00	817.78	
6	8947.57	90.00	135.08	7626.00	-1172.92	1169.72	0.00	0.00	1656.50	T1
7	8976.69	89.13	135.08	7626.22	-1193.54	1190.28	3.00	-180.00	1685.62	
8	16111.64	89.13	135.08	7735.00	-6245.01	6227.98	0.00	0.00	8819.74	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
PLU 318H	0.00	0.00	454864.51	640122.01	32°14'59.016N	103°52'48.318W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
T1	7626.00	-1172.92	1169.72	453691.59	641291.73	Point
PBHL	7735.00	-6245.01	6227.98	448619.50	646349.99	Point

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	7422.00	7518.13	LBC 8A
2	7583.00	7859.41	LBC 'Y' Sand

Azimuths to Grid North
True North: -0.24°
Magnetic North: 7.32°

Magnetic Field
Strength: 48486nT
Dip Angle: 60.12°
Date: 10/30/2012
Model: IGRF2010

Total Correction to Grid North: 7.32°

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 318H

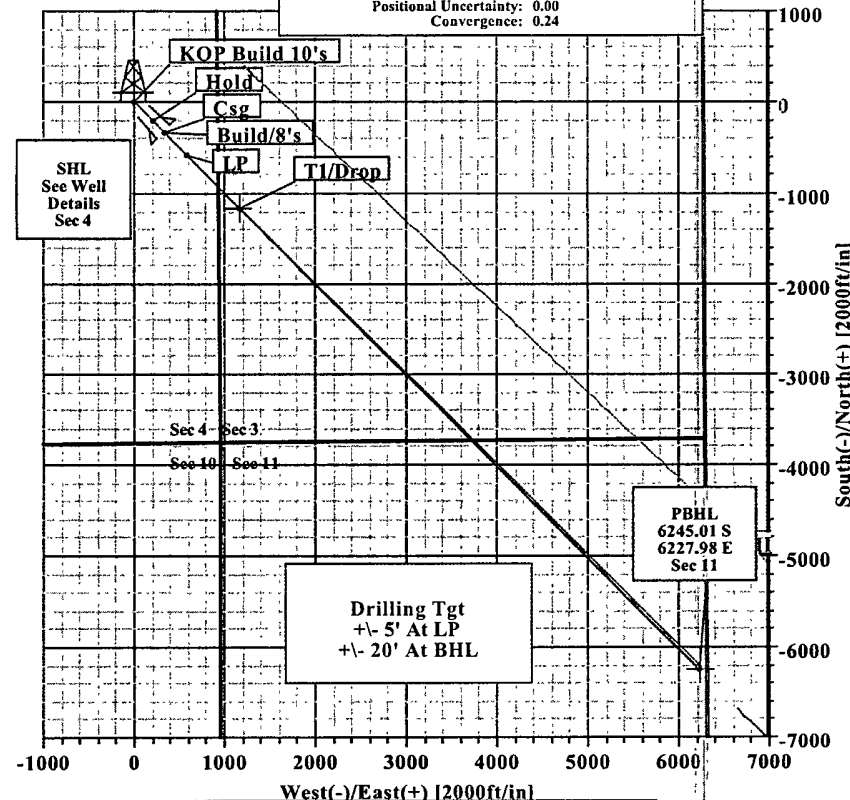
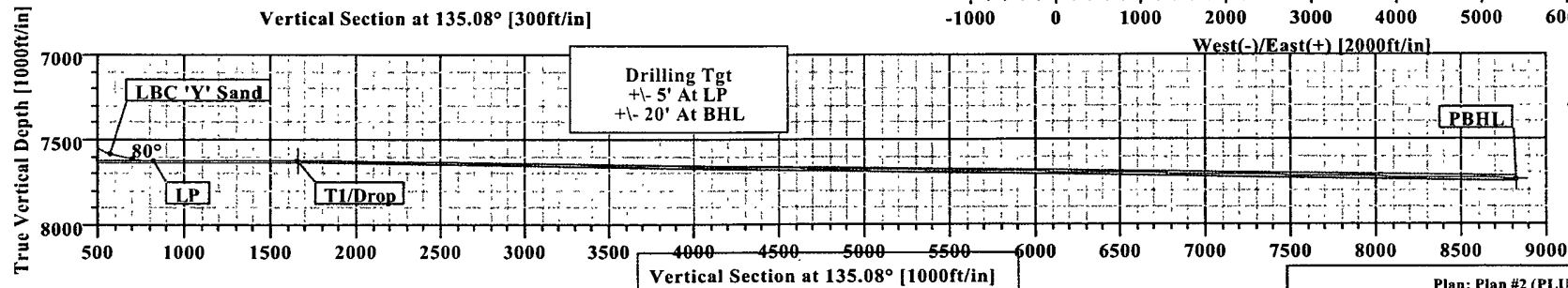
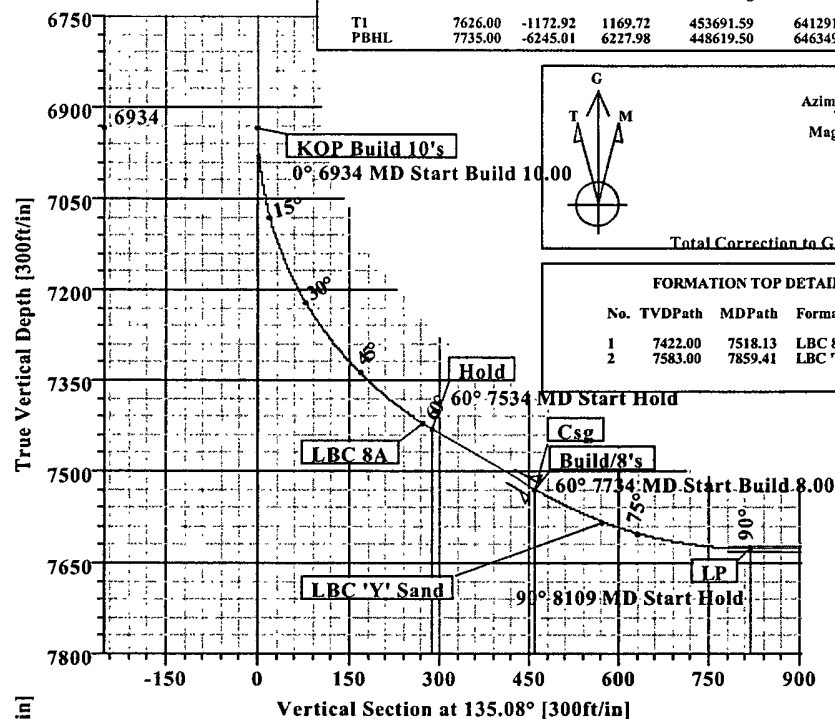
Site Centre Northing: 454864.51

Easting: 640122.01

Ground Level: 3408.00

Positional Uncertainty: 0.00

Convergence: 0.24



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Plan: Plan #2 (PLU 318H/1)

Created By: Russell W. Joyner

Date: 9/6/2012

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WFT Plan Report - X & Y's



Weatherford

Company: BOPCO, L.P.		Date: 9/6/2012	Time: 11:00:37	Page: 1
Field: Eddy County, NM (Nad 27)		Co-ordinate(NE) Reference: Well: PLU 318H, Grid North		
Site: Poker Lake Unit 318H		Vertical (TVD) Reference: SITE 3430.0		
Well: PLU 318H		Section (VS) Reference: Well (0.00N;0.00E;135.08Azi)		
Wellpath: 1		Survey Calculation Method: Minimum Curvature Db: Sybase		

Plan: Plan #2	Date Composed: 5/9/2012
Principal: Yes	Version: 1
	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 318H	
Site Position:	Northings: 454864.51 ft
From: Map	Easting: 640122.01 ft
Position Uncertainty: 0.00 ft	Latitude: 32 14 59.016 N
Ground Level: 3408.00 ft	Longitude: 103 52 48.318 W
	North Reference: Grid
	Grid Convergence: 0.24 deg

Well: PLU 318H		Slot Name:	
Well Position: +N/-S 0.00 ft	Northings: 454864.51 ft	Latitude: 32 14 59.016 N	
+E/-W 0.00 ft	Easting: 640122.01 ft	Longitude: 103 52 48.318 W	
Position Uncertainty: 0.00 ft			

Wellpath: 1		Drilled From: Surface	
Current Datum: SITE	Height 3430.00 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 10/30/2012		Above System Datum: Mean Sea Level	
Field Strength: 48486 nT		Declination: 7.56 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 60.12 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	135.08

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	135.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6933.85	0.00	135.08	6933.85	0.00	0.00	0.00	0.00	0.00	0.00	
7533.85	60.00	135.08	7430.05	-202.85	202.29	10.00	10.00	0.00	135.08	
7733.85	60.00	135.08	7530.05	-325.49	324.60	0.00	0.00	0.00	0.00	
8108.85	90.00	135.08	7626.00	-579.05	577.47	8.00	8.00	0.00	0.00	
8947.57	90.00	135.08	7626.00	-1172.92	1169.72	0.00	0.00	0.00	0.00	T1
8976.69	89.13	135.08	7626.22	-1193.54	1190.28	3.00	-3.00	0.00	-180.00	
16111.64	89.13	135.08	7735.00	-6245.01	6227.98	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
6900.00	0.00	135.08	6900.00	0.00	0.00	0.00	0.00	454864.51	640122.01	
6933.85	0.00	135.08	6933.85	0.00	0.00	0.00	0.00	454864.51	640122.01	KOP Build 10's
6950.00	1.61	135.08	6950.00	-0.16	0.16	0.23	10.00	454864.35	640122.17	
7000.00	6.61	135.08	6999.85	-2.70	2.69	3.81	10.00	454861.81	640124.70	
7050.00	11.61	135.08	7049.21	-8.31	8.28	11.73	10.00	454856.20	640130.29	
7100.00	16.61	135.08	7097.68	-16.94	16.89	23.92	10.00	454847.57	640138.90	
7150.00	21.61	135.08	7144.91	-28.53	28.45	40.29	10.00	454835.98	640150.46	
7200.00	26.61	135.08	7190.53	-42.99	42.87	60.71	10.00	454821.52	640164.88	
7250.00	31.61	135.08	7234.20	-60.21	60.04	85.03	10.00	454804.30	640182.05	
7300.00	36.61	135.08	7275.58	-80.06	79.84	113.07	10.00	454784.45	640201.85	
7350.00	41.61	135.08	7314.36	-102.39	102.11	144.60	10.00	454762.12	640224.12	
7400.00	46.61	135.08	7350.25	-127.02	126.68	179.39	10.00	454737.49	640248.69	
7450.00	51.61	135.08	7382.97	-153.78	153.36	217.18	10.00	454710.73	640275.37	
7500.00	56.61	135.08	7412.27	-182.46	181.96	257.68	10.00	454682.05	640303.97	

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WFT Plan Report - X & Y's



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Company: BOPCO, L.P.	Date: 9/6/2012	Time: 11:00:37	Page: 2
Field: Eddy County, NM (Nad 27)	Co-ordinate(NE) Reference: Well: PLU 318H, Grid North		
Site: Poker Lake Unit 318H	Vertical (TVD) Reference: SITE 3430.0		
Well: PLU-318H	Section (VS) Reference: Well (0.00N;0.00E;135.08Azi)		
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	Comments
7518.13	58.43	135.08	7422.00	-193.28	192.76	272.97	10.00	454671.23	640314.77	LBC 8A
7533.85	60.00	135.08	7430.05	-202.85	202.29	286.48	10.00	454661.66	640324.30	Hold
7600.00	60.00	135.08	7463.12	-243.41	242.75	343.76	0.00	454621.10	640364.76	
7700.00	60.00	135.08	7513.12	-304.73	303.90	430.37	0.00	454559.78	640425.91	
7733.85	60.00	135.08	7530.05	-325.49	324.60	459.68	0.00	454539.02	640446.61	Csg
7750.00	61.29	135.08	7537.96	-335.46	334.54	473.76	8.00	454529.05	640456.55	
7800.00	65.29	135.08	7560.43	-367.08	366.07	518.41	8.00	454497.43	640488.08	
7850.00	69.29	135.08	7579.73	-399.73	398.64	564.53	8.00	454464.78	640520.65	
7859.41	70.04	135.08	7583.00	-405.98	404.87	573.36	8.00	454458.53	640526.88	LBC 'Y' Sand
7900.00	73.29	135.08	7595.76	-433.25	432.07	611.88	8.00	454431.26	640554.08	
7950.00	77.29	135.08	7608.46	-467.49	466.22	660.23	8.00	454397.02	640588.23	
8000.00	81.29	135.08	7617.74	-502.27	500.90	709.35	8.00	454362.24	640622.91	
8050.00	85.29	135.08	7623.58	-537.42	535.96	759.00	8.00	454327.09	640657.97	
8100.00	89.29	135.08	7625.95	-572.78	571.22	808.93	8.00	454291.73	640693.23	
8108.85	90.00	135.08	7626.00	-579.05	577.47	817.78	8.00	454285.46	640699.48	LP
8200.00	90.00	135.08	7626.00	-643.59	641.83	908.93	0.00	454220.92	640763.84	
8300.00	90.00	135.08	7626.00	-714.40	712.45	1008.93	0.00	454150.11	640834.46	
8400.00	90.00	135.08	7626.00	-785.20	783.06	1108.93	0.00	454079.31	640905.07	
8500.00	90.00	135.08	7626.00	-856.01	853.67	1208.93	0.00	454008.50	640975.68	
8600.00	90.00	135.08	7626.00	-926.82	924.29	1308.93	0.00	453937.69	641046.30	
8700.00	90.00	135.08	7626.00	-997.62	994.90	1408.93	0.00	453866.89	641116.91	
8800.00	90.00	135.08	7626.00	-1068.43	1065.52	1508.93	0.00	453796.08	641187.53	
8900.00	90.00	135.08	7626.00	-1139.24	1136.13	1608.93	0.00	453725.27	641258.14	
8947.57	90.00	135.08	7626.00	-1172.92	1169.72	1656.50	0.00	453691.59	641291.73	T1
8976.69	89.13	135.08	7626.22	-1193.54	1190.28	1685.62	3.00	453670.97	641312.29	Hold
9000.00	89.13	135.08	7626.58	-1210.04	1206.74	1708.93	0.00	453654.47	641328.75	
9100.00	89.13	135.08	7628.10	-1280.84	1277.35	1808.92	0.00	453583.67	641399.36	
9200.00	89.13	135.08	7629.63	-1351.64	1347.95	1908.90	0.00	453512.87	641469.96	
9300.00	89.13	135.08	7631.15	-1422.44	1418.56	2008.89	0.00	453442.07	641540.57	
9400.00	89.13	135.08	7632.68	-1493.24	1489.17	2108.88	0.00	453371.27	641611.18	
9500.00	89.13	135.08	7634.20	-1564.04	1559.77	2208.87	0.00	453300.47	641681.78	
9600.00	89.13	135.08	7635.72	-1634.84	1630.38	2308.86	0.00	453229.67	641752.39	
9700.00	89.13	135.08	7637.25	-1705.64	1700.98	2408.85	0.00	453158.87	641822.99	
9800.00	89.13	135.08	7638.77	-1776.43	1771.59	2508.83	0.00	453088.08	641893.60	
9900.00	89.13	135.08	7640.30	-1847.23	1842.19	2608.82	0.00	453017.28	641964.20	
10000.00	89.13	135.08	7641.82	-1918.03	1912.80	2708.81	0.00	452946.48	642034.81	
10100.00	89.13	135.08	7643.35	-1988.83	1983.41	2808.80	0.00	452875.68	642105.42	
10200.00	89.13	135.08	7644.87	-2059.63	2054.01	2908.79	0.00	452804.88	642176.02	
10300.00	89.13	135.08	7646.40	-2130.43	2124.62	3008.78	0.00	452734.08	642246.63	
10400.00	89.13	135.08	7647.92	-2201.23	2195.22	3108.76	0.00	452663.28	642317.23	
10500.00	89.13	135.08	7649.45	-2272.03	2265.83	3208.75	0.00	452592.48	642387.84	
10600.00	89.13	135.08	7650.97	-2342.83	2336.44	3308.74	0.00	452521.68	642458.45	
10700.00	89.13	135.08	7652.50	-2413.62	2407.04	3408.73	0.00	452450.89	642529.05	
10800.00	89.13	135.08	7654.02	-2484.42	2477.65	3508.72	0.00	452380.09	642599.66	
10900.00	89.13	135.08	7655.54	-2555.22	2548.25	3608.71	0.00	452309.29	642670.26	
11000.00	89.13	135.08	7657.07	-2626.02	2618.86	3708.69	0.00	452238.49	642740.87	
11100.00	89.13	135.08	7658.59	-2696.82	2689.47	3808.68	0.00	452167.69	642811.48	
11200.00	89.13	135.08	7660.12	-2767.62	2760.07	3908.67	0.00	452096.89	642882.08	
11300.00	89.13	135.08	7661.64	-2838.42	2830.68	4008.66	0.00	452026.09	642952.69	
11400.00	89.13	135.08	7663.17	-2909.22	2901.28	4108.65	0.00	451955.29	643023.29	
11500.00	89.13	135.08	7664.69	-2980.02	2971.89	4208.64	0.00	451884.49	643093.90	
11600.00	89.13	135.08	7666.22	-3050.82	3042.49	4308.62	0.00	451813.69	643164.50	

Weatherford

WFT Plan Report - X & Y's



Weatherford

Company: BOPCO, L.P.	Date: 9/6/2012	Time: 11:00:37	Page: 3
Field: Eddy County, NM (Nad 27)	Co-ordinate(NE) Reference: Well: PLU 318H, Grid North		
Site: Poker Lake Unit 318H	Vertical (TVD) Reference: SITE 3430.0		
Well: PLU-318H	Section (VS) Reference: Well (0.00N,0.00E,135.08Azi)		
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	Comments
11700.00	89.13	135.08	7667.74	-3121.61	3113.10	4408.61	0.00	451742.90	643235.11	
11800.00	89.13	135.08	7669.27	-3192.41	3183.71	4508.60	0.00	451672.10	643305.72	
11900.00	89.13	135.08	7670.79	-3263.21	3254.31	4608.59	0.00	451601.30	643376.32	
12000.00	89.13	135.08	7672.31	-3334.01	3324.92	4708.58	0.00	451530.50	643446.93	
12100.00	89.13	135.08	7673.84	-3404.81	3395.52	4808.57	0.00	451459.70	643517.53	
12200.00	89.13	135.08	7675.36	-3475.61	3466.13	4908.56	0.00	451388.90	643588.14	
12300.00	89.13	135.08	7676.89	-3546.41	3536.74	5008.54	0.00	451318.10	643658.75	
12400.00	89.13	135.08	7678.41	-3617.21	3607.34	5108.53	0.00	451247.30	643729.35	
12500.00	89.13	135.08	7679.94	-3688.01	3677.95	5208.52	0.00	451176.50	643799.96	
12600.00	89.13	135.08	7681.46	-3758.80	3748.55	5308.51	0.00	451105.71	643870.56	
12700.00	89.13	135.08	7682.99	-3829.60	3819.16	5408.50	0.00	451034.91	643941.17	
12800.00	89.13	135.08	7684.51	-3900.40	3889.77	5508.49	0.00	450964.11	644011.78	
12900.00	89.13	135.08	7686.04	-3971.20	3960.37	5608.47	0.00	450893.31	644082.38	
13000.00	89.13	135.08	7687.56	-4042.00	4030.98	5708.46	0.00	450822.51	644152.99	
13100.00	89.13	135.08	7689.09	-4112.80	4101.58	5808.45	0.00	450751.71	644223.59	
13200.00	89.13	135.08	7690.61	-4183.60	4172.19	5908.44	0.00	450680.91	644294.20	
13300.00	89.13	135.08	7692.13	-4254.40	4242.79	6008.43	0.00	450610.11	644364.80	
13400.00	89.13	135.08	7693.66	-4325.20	4313.40	6108.42	0.00	450539.31	644435.41	
13500.00	89.13	135.08	7695.18	-4395.99	4384.01	6208.40	0.00	450468.52	644506.02	
13600.00	89.13	135.08	7696.71	-4466.79	4454.61	6308.39	0.00	450397.72	644576.62	
13700.00	89.13	135.08	7698.23	-4537.59	4525.22	6408.38	0.00	450326.92	644647.23	
13800.00	89.13	135.08	7699.76	-4608.39	4595.82	6508.37	0.00	450256.12	644717.83	
13900.00	89.13	135.08	7701.28	-4679.19	4666.43	6608.36	0.00	450185.32	644788.44	
14000.00	89.13	135.08	7702.81	-4749.99	4737.04	6708.35	0.00	450114.52	644859.05	
14100.00	89.13	135.08	7704.33	-4820.79	4807.64	6808.33	0.00	450043.72	644929.65	
14200.00	89.13	135.08	7705.86	-4891.59	4878.25	6908.32	0.00	449972.92	645000.26	
14300.00	89.13	135.08	7707.38	-4962.39	4948.85	7008.31	0.00	449902.12	645070.86	
14400.00	89.13	135.08	7708.90	-5033.18	5019.46	7108.30	0.00	449831.33	645141.47	
14500.00	89.13	135.08	7710.43	-5103.98	5090.07	7208.29	0.00	449760.53	645212.08	
14600.00	89.13	135.08	7711.95	-5174.78	5160.67	7308.28	0.00	449689.73	645282.68	
14700.00	89.13	135.08	7713.48	-5245.58	5231.28	7408.26	0.00	449618.93	645353.29	
14800.00	89.13	135.08	7715.00	-5316.38	5301.88	7508.25	0.00	449548.13	645423.89	
14900.00	89.13	135.08	7716.53	-5387.18	5372.49	7608.24	0.00	449477.33	645494.50	
15000.00	89.13	135.08	7718.05	-5457.98	5443.09	7708.23	0.00	449406.53	645565.10	
15100.00	89.13	135.08	7719.58	-5528.78	5513.70	7808.22	0.00	449335.73	645635.71	
15200.00	89.13	135.08	7721.10	-5599.58	5584.31	7908.21	0.00	449264.93	645706.32	
15300.00	89.13	135.08	7722.63	-5670.38	5654.91	8008.19	0.00	449194.13	645776.92	
15400.00	89.13	135.08	7724.15	-5741.17	5725.52	8108.18	0.00	449123.34	645847.53	
15500.00	89.13	135.08	7725.68	-5811.97	5796.12	8208.17	0.00	449052.54	645918.13	
15600.00	89.13	135.08	7727.20	-5882.77	5866.73	8308.16	0.00	448981.74	645988.74	
15700.00	89.13	135.08	7728.72	-5953.57	5937.34	8408.15	0.00	448910.94	646059.35	
15800.00	89.13	135.08	7730.25	-6024.37	6007.94	8508.14	0.00	448840.14	646129.95	
15900.00	89.13	135.08	7731.77	-6095.17	6078.55	8608.13	0.00	448769.34	646200.56	
16000.00	89.13	135.08	7733.30	-6165.97	6149.15	8708.11	0.00	448698.54	646271.16	
16100.00	89.13	135.08	7734.82	-6236.77	6219.76	8808.10	0.00	448627.74	646341.77	
16111.64	89.13	135.08	7735.00	-6245.01	6227.98	8819.74	0.00	448619.50	646349.99	PBHL

Weatherford

WFT Plan Report - X & Y's



Weatherford

Company: BOPCO, L.P.	Date: 9/6/2012	Time: 11:00:37	Page: 4
Field: Eddy County, NM (Nad 27)	Co-ordinate(NE) Reference: Well: PLU 318H; Grid North		
Site: Poker Lake Unit 318H	Vertical (TVD) Reference: SITE 3430.0		
Well: PLU-318H	Section-(VS)-Reference: Well (0:00N,0:00E;135:08AZi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature Db: Sybase		

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->			
							Deg	Min	Sec	Deg	Min	Sec	
T1		7626.00	-1172.92	1169.72	453691.59	641291.73	32	14	47.359	N	103	52 34.756	W
PBHL		7735.00	-6245.01	6227.98	448619.50	646349.99	32	13	56.949	N	103	51 36.118	W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
7733.85	7530.05	0.000	0.000	Csg

Annotation

MD ft	TVD ft	
6933.85	6933.85	KOP Build 10's
7533.85	7430.05	Hold
7733.85	7530.05	Build/8's
8108.85	7626.00	LP
8947.57	7626.00	T1/Drop
8976.69	7626.22	Hold
16111.64	7735.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
7518.13	7422.00	LBC 8A		0.00	0.00
7859.41	7583.00	LBC 'Y' Sand		0.00	0.00

Weatherford

Anticollision Report



Weatherford

Company:	BOPCO, L.P.	Date:	9/6/2012	Time:	11:04:29	Page:	1
Field:	Eddy County, NM (Nad 27)						
Reference Site:	Poker Lake Unit 318H	Co-ordinate(NE) Reference:	Well: PLU 318H, Grid North				
Reference Well:	PLU 318H	Vertical (TVD) Reference:	SITE 3430.0				
Reference Wellpath:							Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method: MD **Interval:** 100.00 ft
Depth Range: 0.00 to 16111.64 ft
Maximum Ratio: 5

Reference: Plan: Plan #2
Error Model: ISCWSA Ellipse
Scan Method: Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #2

Date Composed: 5/9/2012

Principal: Yes

Version:

1

Tied-to:

From Surface

Summary

Site	Offset Wellpath Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
Poker Lake Unit 332H	PLU 332H	1 V1 Plan: Plan #1 V1	16111.64	15673.81	1363.67	974.26	3.50	
Poker Lake Unit 333H	B33H	1 V0 Plan: Plan #1 V1	16111.64	15196.79	612.63	354.21	2.37	

Site: Poker Lake Unit 332H

Well: PLU 332H

Wellpath: 1 V1 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
13200.00	7690.61	12763.29	7725.94	134.76	122.05	269.25	-3252.61	5055.17	1283.22	1026.44	5.00	
13300.00	7692.13	12863.25	7727.28	137.02	124.32	269.26	-3321.40	5127.68	1285.98	1024.66	4.92	
13400.00	7693.66	12963.21	7728.63	139.29	126.60	269.27	-3390.20	5200.19	1288.74	1022.88	4.85	
13500.00	7695.18	13063.17	7729.98	141.55	128.88	269.27	-3458.99	5272.70	1291.51	1021.10	4.78	
13600.00	7696.71	13163.13	7731.33	143.82	131.16	269.28	-3527.79	5345.21	1294.27	1019.32	4.71	
13700.00	7698.23	13263.10	7732.68	146.08	133.44	269.29	-3596.58	5417.72	1297.03	1017.53	4.64	
13800.00	7699.76	13363.06	7734.02	148.35	135.72	269.30	-3665.38	5490.23	1299.79	1015.75	4.58	
13900.00	7701.28	13463.02	7735.37	150.62	138.00	269.31	-3734.17	5562.74	1302.56	1013.96	4.51	
14000.00	7702.81	13562.98	7736.72	152.89	140.28	269.32	-3802.97	5635.25	1305.32	1012.17	4.45	
14100.00	7704.33	13662.94	7738.07	155.16	142.57	269.33	-3871.76	5707.76	1308.08	1010.39	4.39	
14200.00	7705.86	13762.90	7739.42	157.43	144.85	269.34	-3940.56	5780.27	1310.85	1008.60	4.34	
14300.00	7707.38	13862.86	7740.77	159.69	147.13	269.35	-4009.35	5852.78	1313.61	1006.81	4.28	
14400.00	7708.90	13962.83	7742.11	161.96	149.42	269.36	-4078.15	5925.29	1316.37	1005.01	4.23	
14500.00	7710.43	14062.79	7743.46	164.23	151.70	269.37	-4146.94	5997.80	1319.13	1003.22	4.18	
14600.00	7711.95	14162.75	7744.81	166.50	153.98	269.37	-4215.74	6070.31	1321.90	1001.43	4.12	
14700.00	7713.48	14262.71	7746.16	168.78	156.27	269.38	-4284.53	6142.82	1324.66	999.64	4.08	
14800.00	7715.00	14362.67	7747.51	171.05	158.56	269.39	-4353.33	6215.33	1327.42	997.84	4.03	
14900.00	7716.53	14462.63	7748.85	173.32	160.84	269.40	-4422.12	6287.85	1330.19	996.05	3.98	
15000.00	7718.05	14562.60	7750.20	175.59	163.13	269.41	-4490.92	6360.36	1332.95	994.25	3.94	
15100.00	7719.58	14662.56	7751.55	177.86	165.41	269.42	-4559.71	6432.87	1335.71	992.46	3.89	
15200.00	7721.10	14762.52	7752.90	180.13	167.70	269.43	-4628.51	6505.38	1338.47	990.66	3.85	
15300.00	7722.63	14862.48	7754.25	182.41	169.99	269.44	-4697.30	6577.89	1341.24	988.86	3.81	
15400.00	7724.15	14962.44	7755.60	184.68	172.28	269.45	-4766.09	6650.40	1344.00	987.07	3.77	
15500.00	7725.68	15062.40	7756.94	186.95	174.57	269.45	-4834.89	6722.91	1346.76	985.27	3.73	
15600.00	7727.20	15162.37	7758.29	189.23	176.85	269.46	-4903.68	6795.42	1349.53	983.47	3.69	
15700.00	7728.72	15262.33	7759.64	191.50	179.14	269.47	-4972.48	6867.93	1352.29	981.67	3.65	
15800.00	7730.25	15362.29	7760.99	193.77	181.43	269.48	-5041.27	6940.44	1355.05	979.87	3.61	
15900.00	7731.77	15462.25	7762.34	196.05	183.72	269.49	-5110.07	7012.95	1357.82	978.07	3.58	
16000.00	7733.30	15562.21	7763.68	198.32	186.01	269.50	-5178.86	7085.46	1360.58	976.27	3.54	
16100.00	7734.82	15662.17	7765.03	200.60	188.30	269.50	-5247.66	7157.97	1363.34	974.47	3.51	
16111.64	7735.00	15673.81	7765.19	200.86	188.57	269.51	-5255.67	7166.41	1363.67	974.26	3.50	

Weatherford

Anticollision Report



Weatherford

Company:	BOPCO, L.P.	Date:	9/6/2012	Time:	11:04:29	Page:	2
Field:	Eddy County, NM (Nad 27)						
Reference Site:	Poker Lake Unit 318H	Co-ordinate(NE) Reference: Well: PLU 318H, Grid North					
Reference Well:	PLU-318H	Vertical (TVD) Reference: SITE 3430.0					
Reference Wellpath:		Db: Sybase					

Site: Poker Lake Unit 333H
 Well: 333H
 Wellpath: 1 V0 Plan: Plan #1 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
15500.00	7725.68	15196.79	7758.00	186.95	170.80	33.96-6693.16	6645.11		1223.69	966.75	4.76	
15600.00	7727.20	15196.79	7758.00	189.23	170.80	33.96-6693.16	6645.11		1123.75	866.37	4.37	
15700.00	7728.72	15196.79	7758.00	191.50	170.80	33.96-6693.16	6645.11		1023.81	766.06	3.97	
15800.00	7730.25	15196.79	7758.00	193.77	170.80	33.96-6693.16	6645.11		923.88	665.84	3.58	
15900.00	7731.77	15196.79	7758.00	196.05	170.80	33.96-6693.16	6645.11		823.98	565.71	3.19	
16000.00	7733.30	15196.79	7758.00	198.32	170.80	33.96-6693.16	6645.11		724.10	465.70	2.80	
16100.00	7734.82	15196.79	7758.00	200.60	170.80	33.96-6693.16	6645.11		624.26	365.82	2.42	
16111.64	7735.00	15196.79	7758.00	200.86	170.80	33.96-6693.16	6645.11		612.63	354.21	2.37	

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

GeoDec v5.03

Report Date: September 06, 2012
Job Number: _____
Customer: BOPCO
Well Name: Poker Lake Unit 318H
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 454864.510 USFT	Latitude 32.2497265 DEG
East/West 640122.010 USFT	Longitude -103.8800884 DEG
Grid Convergence: .24°	
Total Correction: +7.32°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.24973° N	32° 14 min 59.016 sec
Longitude =	103.88009° W	103° 52 min 48.318 sec

Magnetic Declination =	7.56°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6501
Local Field Strength =	48482 nT	Magnetic Vector X = 23940 nT
Magnetic Dip =	60.12°	Magnetic Vector Y = 3178 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 42039 nT
Spud Date =	Oct 30, 2012	Magnetic Vector H = 24150 nT

Signed: _____

Date: _____