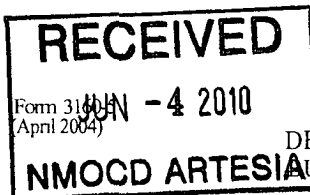


PM



# OCD-ARTESIA

Form 3160-4  
(April 2004)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

NMOC D ARTESIA

## 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: NESE, 1800' FSL, 330' FEL, Sec 26, T24S, R30S, Lat N32.186669, Lon W103.843586  
BHL: NWSW, 1980' FSL, 330' FWL, Sec 23, T24S, R30E, Lat N32.201456, Long W103.858733

5. Lease Serial No.

NM02862 - NM0030452

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No

Poker Lake Unit #308H

9. API Well No.

30-015-37728

10. Field and Pool, or Exploratory Area

Quahada Ridge SE (Delaware)

11. County or Parish, State

Eddy Co., NM

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

#### TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

#### TYPE OF ACTION

- |                                                  |                                           |                                                    |                                         |
|--------------------------------------------------|-------------------------------------------|----------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Acidize                 | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |
| <input checked="" type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |                                         |
| <input type="checkbox"/> Convert to Injection    | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> 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 recompleat 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 recompleat 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 request approval of the revised horizontal drilling plan. There is no change in the BHL or the SHL. Well path has been changed.

The 9-5/8" casing program will be changed from 4090' of 9-5/8", 36#, J-55, LT&C to 4090' of 9-5/8", 40#, J-55, LT&C.

The 7" casing program will be changed from 8223' of 7", 26#, N-80, LT&C to 8352' of 7", 26#, P-110, LT&C.

The 4-1/2" casing program will be changed from 1001' of 4-1/2", 11.6#, HCP-110 Flush Joint and 6527' of 4-1/2", 11.6#, HCP-110, LT&C to 6587' of 4-1/2", 11.6#, P-110, LT&C with Baker packers for zone isolation. The liner hanger will be at approximately 8452'.

The revised horizontal drilling plan will be attached.

minimum 100' tieback

BOPCO L.P. Bond # on file: COB000050

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

Annette Childers

Title Regulatory Clerk

Signature

*Annette Childers*

Date

5-26-2010

### 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

Date

JUN 2 2010

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT

Title 18 USC, Section 1001 and Title 43 USC 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)

*me*



# BOPCO, L.P.

Location Eddy County, NM  
Field Poker Lake Unit  
Facility Poker Lake Unit No. 308H

Slot No. 308H SHL  
Well No. 308H  
Wellbore No. 308H PWB



## Well Profile Data

| Design Comment | MD (ft)  | Inc (°) | Az (°)  | TVD (ft) | Local N (ft) | Local E (ft) | DLS (°/100ft) | VS (ft) |
|----------------|----------|---------|---------|----------|--------------|--------------|---------------|---------|
| Tie On         | 0.00     | 0.000   | 318.684 | 0.00     | 0.00         | 0.00         | 0.00          | 0.00    |
| EST KOP        | 7322.00  | 0.000   | 318.684 | 7322.00  | 0.00         | 0.00         | 0.00          | 0.00    |
| END OF CURVE   | 8101.72  | 90.432  | 318.684 | 7616.00  | 373.84       | -328.61      | 11.60         | 497.74  |
| No. 308H PBHL  | 14738.97 | 90.432  | 318.684 | 7766.00  | 5358.83      | -4710.44     | 0.00          | 7134.80 |

Plot reference wellpath is Plan #2

True vertical depths are referenced to Rig on No. 308H SHL (KB)

Grid System NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet

Measured depths are referenced to Rig on No. 308H SHL (KB)

North Reference Grid north

Rig on No. 308H SHL (KB) to Mean Sea Level 3421 feet

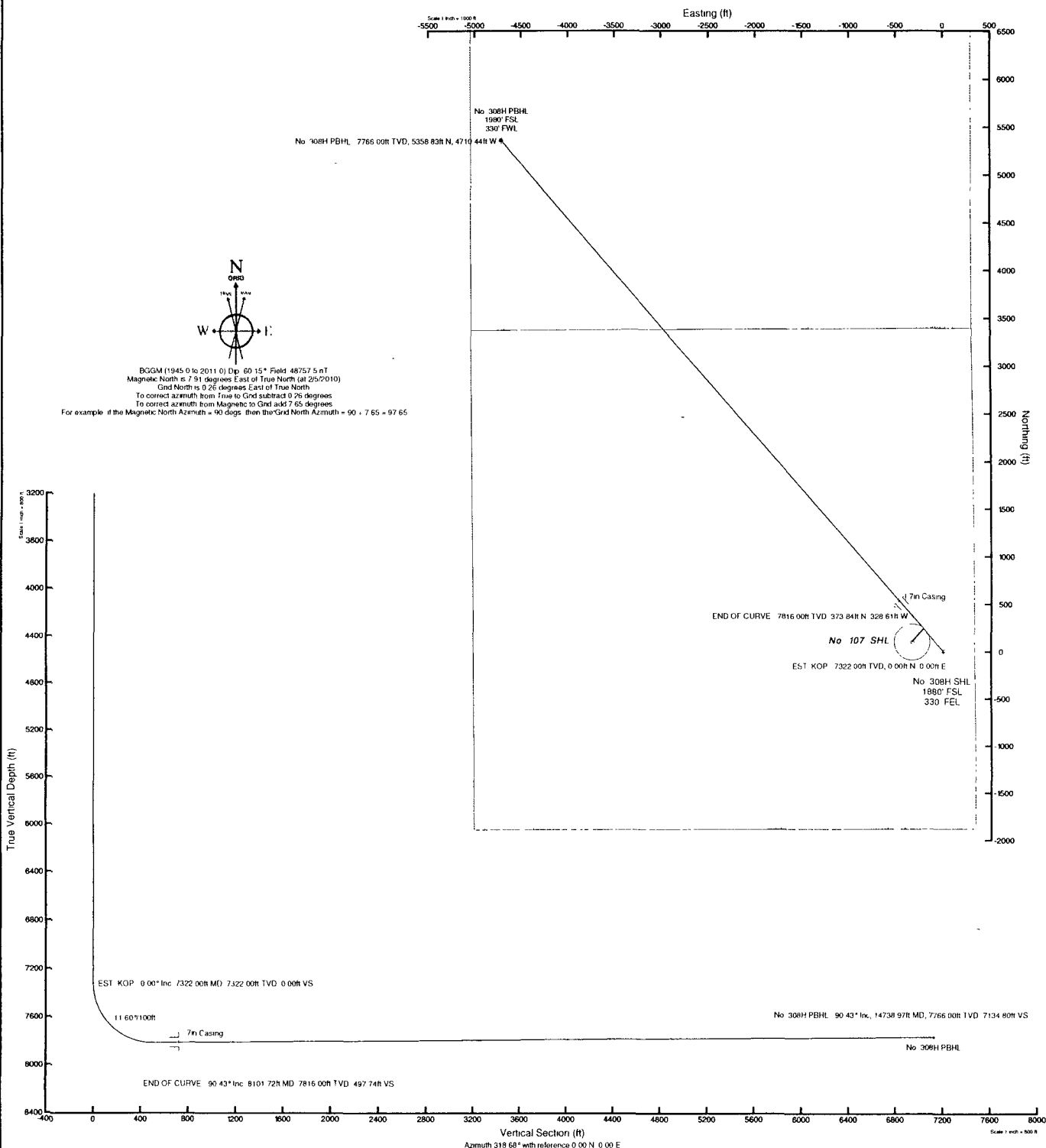
Scale True distance

Mean Sea Level to Mud line (Facility Poker Lake Unit No. 308H) -3402 feet

Depths are in feet

Coordinates are in feet referenced to Surface Location

Created by Victor Hernandez on 5/21/2010





# Planned Wellpath Report

Plan #2  
Page 1 of 5



## REFERENCE WELLPATH IDENTIFICATION

|          |                          |          |              |
|----------|--------------------------|----------|--------------|
| Operator | BOPCO, L.P.              | Slot     | No. 308H SHL |
| Area     | Eddy County, NM          | Well     | No. 308H     |
| Field    | Poker Lake Unit          | Wellbore | No. 308H PWB |
| Facility | Poker Lake Unit No. 308H |          |              |

## REPORT SETUP INFORMATION

|                     |                                                                     |                      |                             |
|---------------------|---------------------------------------------------------------------|----------------------|-----------------------------|
| Projection System   | NAD27 / FM New Mexico State Planes, Eastern Zone (3001),<br>US feet | Software System      | WellArchitect® 2.0          |
| North Reference     | Grid                                                                | User                 | Victor Hernandez            |
| Scale               | 0.999935                                                            | Report Generated     | 5/21/2010 at 11:39:51 AM    |
| Convergence at slot | 0.26° East                                                          | Database/Source file | WA_Midland/No. 308H_PWB.xml |

## WELLPATH LOCATION

|                       | Local coordinates |          | Grid coordinates |                | Geographic coordinates |                 |
|-----------------------|-------------------|----------|------------------|----------------|------------------------|-----------------|
|                       | North[ft]         | East[ft] | Easting[USft]    | Northing[USft] | Latitude               | Longitude       |
| Slot Location         | 0.00              | 0.00     | 651511.38        | 431975.12      | 32°11'12.006"N         | 103°50'36.911"W |
| Facility Reference Pt |                   |          | 651511.38        | 431975.12      | 32°11'12.006"N         | 103°50'36.911"W |
| Field Reference Pt    |                   |          | 630272.49        | 405347.85      | 32°06'49.387"N         | 103°54'45.266"W |

## WELLPATH DATUM

|                          |                          |                                            |                   |
|--------------------------|--------------------------|--------------------------------------------|-------------------|
| Calculation method       | Minimum curvature        | Rig on No. 308H SHL (KB) to GL             | 19.00ft           |
| Horizontal Reference Pt  | Surface Location         | Rig on No. 308H SHL (KB) to Mean Sea Level | 3421.00ft         |
| Vertical Reference Pt    | Rig on No. 308H SHL (KB) | GL to Mud Line (Facility)                  | 0.00ft            |
| MD Reference Pt          | Rig on No. 308H SHL (KB) | Section Origin                             | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level           | Section Azimuth                            | 318.68°           |



# Planned Wellpath Report

Plan #2

Page 2 of 5



| REFERENCE WELLPATH IDENTIFICATION |                          |          |              |
|-----------------------------------|--------------------------|----------|--------------|
| Operator                          | BOPCO, L.P.              | Slot     | No. 308H SHL |
| Area                              | Eddy County, NM          | Well     | No. 308H     |
| Field                             | Poker Lake Unit          | Wellbore | No. 308H PWB |
| Facility                          | Poker Lake Unit No. 308H |          |              |

| WELLPATH DATA (87 stations) † = interpolated/extrapolated station |                    |                |             |                   |               |              |                       |                        |                |                 |                  |                     |
|-------------------------------------------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|-----------------------|------------------------|----------------|-----------------|------------------|---------------------|
| MD<br>[ft]                                                        | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[srv ft] | Grid North<br>[srv ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments            |
| 0.00                                                              | 0.000              | 318.684        | 0.00        | 0.00              | 0.00          | 0.00         | 651511.38             | 431975.12              | 32°11'12.006"N | 103°50'36.911"W | 0.00             | The On              |
| 531.00†                                                           | 0.000              | 318.684        | 531.00      | 0.00              | 0.00          | 0.00         | 651511.38             | 431975.12              | 32°11'12.006"N | 103°50'36.911"W | 0.00             | Rustler             |
| 903.00†                                                           | 0.000              | 318.684        | 903.00      | 0.00              | 0.00          | 0.00         | 651511.38             | 431975.12              | 32°11'12.006"N | 103°50'36.911"W | 0.00             | Salt                |
| 3859.00†                                                          | 0.000              | 318.684        | 3859.00     | 0.00              | 0.00          | 0.00         | 651511.38             | 431975.12              | 32°11'12.006"N | 103°50'36.911"W | 0.00             | B / Salt            |
| 4069.00†                                                          | 0.000              | 318.684        | 4069.00     | 0.00              | 0.00          | 0.00         | 651511.38             | 431975.12              | 32°11'12.006"N | 103°50'36.911"W | 0.00             | Lamar Line          |
| 4103.00†                                                          | 0.000              | 318.684        | 4103.00     | 0.00              | 0.00          | 0.00         | 651511.38             | 431975.12              | 32°11'12.006"N | 103°50'36.911"W | 0.00             | Ramsey              |
| 6189.00†                                                          | 0.000              | 318.684        | 6189.00     | 0.00              | 0.00          | 0.00         | 651511.38             | 431975.12              | 32°11'12.006"N | 103°50'36.911"W | 0.00             | Lower Cherry Canyon |
| 7322.00                                                           | 0.000              | 318.684        | 7322.00     | 0.00              | 0.00          | 0.00         | 651511.38             | 431975.12              | 32°11'12.006"N | 103°50'36.911"W | 0.00             | EST KOP             |
| 7422.00†                                                          | 11.598             | 318.684        | 7421.32     | 10.09             | 7.58          | -6.66        | 651504.72             | 431982.70              | 32°11'12.082"N | 103°50'36.988"W | 11.60            |                     |
| 7522.00†                                                          | 23.196             | 318.684        | 7516.58     | 39.93             | 29.99         | -26.37       | 651485.01             | 432005.11              | 32°11'12.302"N | 103°50'37.216"W | 11.60            |                     |
| 7622.00†                                                          | 34.794             | 318.684        | 7603.90     | 88.33             | 66.34         | -58.31       | 651453.07             | 432041.46              | 32°11'12.665"N | 103°50'37.586"W | 11.60            |                     |
| 7667.48†                                                          | 40.069             | 318.684        | 7640.00     | 115.96            | 87.09         | -76.56       | 651434.83             | 432062.21              | 32°11'12.872"N | 103°50'37.797"W | 11.60            | Lower Brushy Canyon |
| 7722.00†                                                          | 46.392             | 318.684        | 7679.70     | 153.28            | 115.13        | -101.20      | 651410.19             | 432090.24              | 32°11'13.150"N | 103°50'38.082"W | 11.60            |                     |
| 7822.00†                                                          | 57.990             | 318.684        | 7740.90     | 232.15            | 174.37        | -153.27      | 651358.12             | 432149.48              | 32°11'13.739"N | 103°50'38.685"W | 11.60            |                     |
| 7922.00†                                                          | 69.588             | 318.684        | 7784.99     | 321.72            | 241.64        | -212.40      | 651298.99             | 432216.74              | 32°11'14.407"N | 103°50'39.370"W | 11.60            |                     |
| 7998.36†                                                          | 78.444             | 318.684        | 7806.00     | 395.05            | 296.71        | -260.81      | 651250.58             | 432271.81              | 32°11'14.954"N | 103°50'39.930"W | 11.60            | LBC Y Sand          |
| 8022.00†                                                          | 81.186             | 318.684        | 7810.18     | 418.32            | 314.19        | -276.18      | 651235.22             | 432289.29              | 32°11'15.128"N | 103°50'40.108"W | 11.60            |                     |
| 8101.72                                                           | 90.432             | 318.684        | 7816.00     | 497.74            | 373.84        | -328.61      | 651182.79             | 432348.94              | 32°11'15.720"N | 103°50'40.715"W | 11.60            | END OF CURVE        |
| 8122.00†                                                          | 90.432             | 318.684        | 7815.85     | 518.02            | 389.07        | -342.00      | 651169.40             | 432364.17              | 32°11'15.872"N | 103°50'40.870"W | 0.00             |                     |
| 8222.00†                                                          | 90.432             | 318.684        | 7815.09     | 618.01            | 464.18        | -408.07      | 651103.39             | 432439.27              | 32°11'16.618"N | 103°50'41.634"W | 0.00             |                     |
| 8322.00†                                                          | 90.432             | 318.684        | 7814.34     | 718.01            | 539.29        | -474.04      | 651037.37             | 432514.37              | 32°11'17.364"N | 103°50'42.398"W | 0.00             |                     |
| 8422.00†                                                          | 90.432             | 318.684        | 7813.59     | 818.01            | 614.39        | -540.06      | 650971.36             | 432589.47              | 32°11'18.110"N | 103°50'43.162"W | 0.00             |                     |
| 8522.00†                                                          | 90.432             | 318.684        | 7812.83     | 918.01            | 689.50        | -606.07      | 650905.34             | 432664.57              | 32°11'18.856"N | 103°50'43.927"W | 0.00             |                     |
| 8622.00†                                                          | 90.432             | 318.684        | 7812.08     | 1018.00           | 764.61        | -672.09      | 650839.33             | 432739.67              | 32°11'19.603"N | 103°50'44.691"W | 0.00             |                     |
| 8722.00†                                                          | 90.432             | 318.684        | 7811.33     | 1118.00           | 839.71        | -748.11      | 650773.31             | 432814.78              | 32°11'20.349"N | 103°50'45.455"W | 0.00             |                     |
| 8822.00†                                                          | 90.432             | 318.684        | 7810.57     | 1218.00           | 914.82        | -804.13      | 650707.30             | 432889.88              | 32°11'21.095"N | 103°50'46.219"W | 0.00             |                     |
| 8922.00†                                                          | 90.432             | 318.684        | 7809.82     | 1318.00           | 989.92        | -870.15      | 650641.29             | 432964.98              | 32°11'21.841"N | 103°50'46.984"W | 0.00             |                     |
| 9022.00†                                                          | 90.432             | 318.684        | 7809.07     | 1417.99           | 1065.03       | -936.17      | 650575.27             | 433040.08              | 32°11'22.587"N | 103°50'47.748"W | 0.00             |                     |
| 9122.00†                                                          | 90.432             | 318.684        | 7808.31     | 1517.99           | 1140.14       | -1002.19     | 650509.26             | 433115.18              | 32°11'23.333"N | 103°50'48.512"W | 0.00             |                     |
| 9222.00†                                                          | 90.432             | 318.684        | 7807.56     | 1617.99           | 1215.24       | -1068.21     | 650443.24             | 433190.28              | 32°11'24.080"N | 103°50'49.276"W | 0.00             |                     |



# Planned Wellpath Report

Plan #2

Page 3 of 5



## REFERENCE WELLPATH IDENTIFICATION

|          |                          |          |              |
|----------|--------------------------|----------|--------------|
| Operator | BOPCO, L.P.              | Slot     | No. 308H SHL |
| Area     | Eddy County, NM          | Well     | No. 308H     |
| Field    | Poker Lake Unit          | Wellbore | No. 308H PWB |
| Facility | Poker Lake Unit No. 308H |          |              |

## WELLPATH DATA (87 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[srv ft] | Grid North<br>[srv ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|-----------------------|------------------------|----------------|-----------------|------------------|----------|
| 9322.00†   | 90.432             | 318.684        | 7806.81     | 1717.98           | 1290.35       | -1134.23     | 650377.23             | 433265.38              | 32°11'24.826"N | 103°50'50.040"W | 0.00             |          |
| 9422.00†   | 90.432             | 318.684        | 7806.05     | 1817.98           | 1365.46       | -1200.24     | 650311.21             | 433340.48              | 32°11'25.572"N | 103°50'50.805"W | 0.00             |          |
| 9522.00†   | 90.432             | 318.684        | 7805.30     | 1917.98           | 1440.56       | -1266.26     | 650245.20             | 433415.59              | 32°11'26.318"N | 103°50'51.569"W | 0.00             |          |
| 9622.00†   | 90.432             | 318.684        | 7804.55     | 2017.98           | 1515.67       | -1332.28     | 650179.18             | 433490.69              | 32°11'27.064"N | 103°50'52.333"W | 0.00             |          |
| 9722.00†   | 90.432             | 318.684        | 7803.79     | 2117.97           | 1590.77       | -1398.30     | 650113.17             | 433565.79              | 32°11'27.810"N | 103°50'53.097"W | 0.00             |          |
| 9822.00†   | 90.432             | 318.684        | 7803.04     | 2217.97           | 1665.88       | -1464.32     | 650047.16             | 433640.89              | 32°11'28.557"N | 103°50'53.862"W | 0.00             |          |
| 9922.00†   | 90.432             | 318.684        | 7802.29     | 2317.97           | 1740.99       | -1530.34     | 649981.14             | 433715.99              | 32°11'29.303"N | 103°50'54.626"W | 0.00             |          |
| 10022.00†  | 90.432             | 318.684        | 7801.53     | 2417.96           | 1816.09       | -1596.36     | 649915.13             | 433791.09              | 32°11'30.049"N | 103°50'55.390"W | 0.00             |          |
| 10122.00†  | 90.432             | 318.684        | 7800.78     | 2517.96           | 1891.20       | -1662.38     | 649849.11             | 433866.19              | 32°11'30.795"N | 103°50'56.155"W | 0.00             |          |
| 10222.00†  | 90.432             | 318.684        | 7800.03     | 2617.96           | 1966.30       | -1728.40     | 649783.10             | 433941.29              | 32°11'31.541"N | 103°50'56.919"W | 0.00             |          |
| 10322.00†  | 90.432             | 318.684        | 7799.27     | 2717.96           | 2041.41       | -1794.41     | 649717.08             | 434016.40              | 32°11'32.287"N | 103°50'57.683"W | 0.00             |          |
| 10422.00†  | 90.432             | 318.684        | 7798.52     | 2817.95           | 2116.52       | -1860.43     | 649651.07             | 434091.50              | 32°11'33.033"N | 103°50'58.447"W | 0.00             |          |
| 10522.00†  | 90.432             | 318.684        | 7797.77     | 2917.95           | 2191.62       | -1926.45     | 649585.05             | 434166.60              | 32°11'33.780"N | 103°50'59.212"W | 0.00             |          |
| 10622.00†  | 90.432             | 318.684        | 7797.01     | 3017.95           | 2266.73       | -1992.47     | 649519.04             | 434241.70              | 32°11'34.526"N | 103°50'59.976"W | 0.00             |          |
| 10722.00†  | 90.432             | 318.684        | 7796.26     | 3117.94           | 2341.84       | -2058.49     | 649453.03             | 434316.80              | 32°11'35.272"N | 103°51'00.740"W | 0.00             |          |
| 10822.00†  | 90.432             | 318.684        | 7795.51     | 3217.94           | 2416.94       | -2124.51     | 649387.01             | 434391.90              | 32°11'36.018"N | 103°51'01.505"W | 0.00             |          |
| 10922.00†  | 90.432             | 318.684        | 7794.75     | 3317.94           | 2492.05       | -2190.53     | 649321.00             | 434467.00              | 32°11'36.764"N | 103°51'02.269"W | 0.00             |          |
| 11022.00†  | 90.432             | 318.684        | 7794.00     | 3417.94           | 2567.15       | -2256.55     | 649254.98             | 434542.10              | 32°11'37.510"N | 103°51'03.033"W | 0.00             |          |
| 11122.00†  | 90.432             | 318.684        | 7793.25     | 3517.93           | 2642.26       | -2322.57     | 649188.97             | 434617.20              | 32°11'38.256"N | 103°51'03.797"W | 0.00             |          |
| 11222.00†  | 90.432             | 318.684        | 7792.49     | 3617.93           | 2717.37       | -2388.58     | 649122.95             | 434692.31              | 32°11'39.003"N | 103°51'04.562"W | 0.00             |          |
| 11322.00†  | 90.432             | 318.684        | 7791.74     | 3717.93           | 2792.47       | -2454.60     | 649056.94             | 434767.41              | 32°11'39.749"N | 103°51'05.326"W | 0.00             |          |
| 11422.00†  | 90.432             | 318.684        | 7790.99     | 3817.92           | 2867.58       | -2520.62     | 648990.92             | 434842.51              | 32°11'40.495"N | 103°51'06.090"W | 0.00             |          |
| 11522.00†  | 90.432             | 318.684        | 7790.23     | 3917.92           | 2942.69       | -2586.64     | 648924.91             | 434917.61              | 32°11'41.241"N | 103°51'06.855"W | 0.00             |          |
| 11622.00†  | 90.432             | 318.684        | 7789.48     | 4017.92           | 3017.79       | -2652.66     | 648858.90             | 434992.71              | 32°11'41.987"N | 103°51'07.619"W | 0.00             |          |
| 11722.00†  | 90.432             | 318.684        | 7788.73     | 4117.92           | 3092.90       | -2718.68     | 648792.88             | 435067.81              | 32°11'42.733"N | 103°51'08.383"W | 0.00             |          |
| 11822.00†  | 90.432             | 318.684        | 7787.97     | 4217.91           | 3168.00       | -2784.70     | 648726.87             | 435142.91              | 32°11'43.479"N | 103°51'09.148"W | 0.00             |          |
| 11922.00†  | 90.432             | 318.684        | 7787.22     | 4317.91           | 3243.11       | -2850.72     | 648660.85             | 435218.01              | 32°11'44.226"N | 103°51'09.912"W | 0.00             |          |
| 12022.00†  | 90.432             | 318.684        | 7786.47     | 4417.91           | 3318.22       | -2916.74     | 648594.84             | 435293.12              | 32°11'44.972"N | 103°51'10.676"W | 0.00             |          |
| 12122.00†  | 90.432             | 318.684        | 7785.71     | 4517.90           | 3393.32       | -2982.75     | 648528.82             | 435368.22              | 32°11'45.718"N | 103°51'11.441"W | 0.00             |          |
| 12222.00†  | 90.432             | 318.684        | 7784.96     | 4617.90           | 3468.43       | -3048.77     | 648462.81             | 435443.32              | 32°11'46.464"N | 103°51'12.205"W | 0.00             |          |



# Planned Wellpath Report

Plan #2

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## REFERENCE WELLPATH IDENTIFICATION

|          |                          |          |              |
|----------|--------------------------|----------|--------------|
| Operator | BOPCO, L.P.              | Slot     | No. 308H SHL |
| Area     | Eddy County, NM          | Well     | No. 308H     |
| Field    | Poker Lake Unit          | Wellbore | No. 308H PWB |
| Facility | Poker Lake Unit No. 308H |          |              |

## WELLPATH DATA (87 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[srv ft] | Grid North<br>[srv ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments     |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|-----------------------|------------------------|----------------|-----------------|------------------|--------------|
| 12322.00†  | 90.432             | 318.684        | 7784.21     | 4717.90           | 3543.54       | -3114.79     | 648396.79             | 435518.42              | 32°11'47.210"N | 103°51'12.969"W | 0.00             |              |
| 12422.00†  | 90.432             | 318.684        | 7783.45     | 4817.90           | 3618.64       | -3180.81     | 648330.78             | 435593.52              | 32°11'47.956"N | 103°51'13.734"W | 0.00             |              |
| 12522.00†  | 90.432             | 318.684        | 7782.70     | 4917.89           | 3693.75       | -3246.83     | 648264.76             | 435668.62              | 32°11'48.702"N | 103°51'14.498"W | 0.00             |              |
| 12622.00†  | 90.432             | 318.684        | 7781.95     | 5017.89           | 3768.85       | -3312.85     | 648198.75             | 435743.72              | 32°11'49.448"N | 103°51'15.262"W | 0.00             |              |
| 12722.00†  | 90.432             | 318.684        | 7781.19     | 5117.89           | 3843.96       | -3378.87     | 648132.74             | 435818.82              | 32°11'50.194"N | 103°51'16.027"W | 0.00             |              |
| 12822.00†  | 90.432             | 318.684        | 7780.44     | 5217.88           | 3919.07       | -3444.89     | 648066.72             | 435893.93              | 32°11'50.941"N | 103°51'16.791"W | 0.00             |              |
| 12922.00†  | 90.432             | 318.684        | 7779.69     | 5317.88           | 3994.17       | -3510.90     | 648000.71             | 435969.03              | 32°11'51.687"N | 103°51'17.556"W | 0.00             |              |
| 13022.00†  | 90.432             | 318.684        | 7778.93     | 5417.88           | 4069.28       | -3576.92     | 647934.69             | 436044.13              | 32°11'52.433"N | 103°51'18.320"W | 0.00             |              |
| 13122.00†  | 90.432             | 318.684        | 7778.18     | 5517.88           | 4144.38       | -3642.94     | 647868.68             | 436119.23              | 32°11'53.179"N | 103°51'19.084"W | 0.00             |              |
| 13222.00†  | 90.432             | 318.684        | 7777.43     | 5617.87           | 4219.49       | -3708.96     | 647802.66             | 436194.13              | 32°11'53.925"N | 103°51'19.849"W | 0.00             |              |
| 13322.00†  | 90.432             | 318.684        | 7776.67     | 5717.87           | 4294.60       | -3774.98     | 647736.65             | 436269.43              | 32°11'54.671"N | 103°51'20.613"W | 0.00             |              |
| 13411.48†  | 90.432             | 318.684        | 7776.00     | 5807.35           | 4361.81       | -3834.06     | 647677.58             | 436336.64              | 32°11'55.339"N | 103°51'21.297"W | 0.00             | LBC Y Sand   |
| 13422.00†  | 90.432             | 318.684        | 7775.92     | 5817.87           | 4369.70       | -3841.00     | 647670.63             | 436344.53              | 32°11'55.417"N | 103°51'21.377"W | 0.00             |              |
| 13522.00†  | 90.432             | 318.684        | 7775.17     | 5917.86           | 4444.81       | -3907.02     | 647604.62             | 436419.63              | 32°11'56.163"N | 103°51'22.142"W | 0.00             |              |
| 13622.00†  | 90.432             | 318.684        | 7774.41     | 6017.86           | 4519.92       | -3973.04     | 647538.61             | 436494.73              | 32°11'56.909"N | 103°51'22.906"W | 0.00             |              |
| 13722.00†  | 90.432             | 318.684        | 7773.66     | 6117.86           | 4595.02       | -4039.06     | 647472.59             | 436569.84              | 32°11'57.656"N | 103°51'23.671"W | 0.00             |              |
| 13822.00†  | 90.432             | 318.684        | 7772.91     | 6217.86           | 4670.13       | -4105.07     | 647406.58             | 436644.94              | 32°11'58.402"N | 103°51'24.435"W | 0.00             |              |
| 13922.00†  | 90.432             | 318.684        | 7772.15     | 6317.85           | 4745.23       | -4171.09     | 647340.56             | 436720.04              | 32°11'59.148"N | 103°51'25.199"W | 0.00             |              |
| 14022.00†  | 90.432             | 318.684        | 7771.40     | 6417.85           | 4820.34       | -4237.11     | 647274.55             | 436795.14              | 32°11'59.894"N | 103°51'25.964"W | 0.00             |              |
| 14122.00†  | 90.432             | 318.684        | 7770.65     | 6517.85           | 4895.45       | -4303.13     | 647208.53             | 436870.24              | 32°12'00.640"N | 103°51'26.728"W | 0.00             |              |
| 14222.00†  | 90.432             | 318.684        | 7769.89     | 6617.84           | 4970.55       | -4369.15     | 647142.52             | 436945.34              | 32°12'01.386"N | 103°51'27.493"W | 0.00             |              |
| 14322.00†  | 90.432             | 318.684        | 7769.14     | 6717.84           | 5045.66       | -4435.17     | 647076.50             | 437020.44              | 32°12'02.132"N | 103°51'28.257"W | 0.00             |              |
| 14422.00†  | 90.432             | 318.684        | 7768.39     | 6817.84           | 5120.77       | -4501.19     | 647010.49             | 437095.54              | 32°12'02.878"N | 103°51'29.021"W | 0.00             |              |
| 14522.00†  | 90.432             | 318.684        | 7767.63     | 6917.84           | 5195.87       | -4567.21     | 646944.48             | 437170.65              | 32°12'03.624"N | 103°51'29.786"W | 0.00             |              |
| 14622.00†  | 90.432             | 318.684        | 7766.88     | 7017.83           | 5270.98       | -4633.23     | 646878.46             | 437245.75              | 32°12'04.370"N | 103°51'30.550"W | 0.00             |              |
| 14722.00†  | 90.432             | 318.684        | 7766.13     | 7117.83           | 5346.08       | -4699.24     | 646812.45             | 437320.85              | 32°12'05.117"N | 103°51'31.315"W | 0.00             |              |
| 14738.97   | 90.432             | 318.684        | 7766.00     | 7134.80           | 5358.83       | -4710.44     | 646801.25             | 437333.59              | 32°12'05.243"N | 103°51'31.444"W | 0.00             | No 308H PBHL |



# Planned Wellpath Report

Plan #2

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## REFERENCE WELLPATH IDENTIFICATION

|          |                          |          |              |
|----------|--------------------------|----------|--------------|
| Operator | BOPCO, L.P.              | Slot     | No. 308H SHL |
| Area     | Eddy County, NM          | Well     | No. 308H     |
| Field    | Poker Lake Unit          | Wellbore | No. 308H PWB |
| Facility | Poker Lake Unit No. 308H |          |              |

## HOLE & CASING SECTIONS Ref Wellbore: No. 308H PWB Ref Wellpath: Plan #2

| String/Diameter   | Start MD<br>[ft] | End MD<br>[ft] | Interval<br>[ft] | Start TVD<br>[ft] | End TVD<br>[ft] | Start N/S<br>[ft] | Start E/W<br>[ft] | End N/S<br>[ft] | End E/W<br>[ft] |
|-------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 7in Casing        | 0.00             | 8326.00        | 8326.00          | 0.00              | 7814.31         | 0.00              | 0.00              | 542.29          | -476.68         |
| 6.125in Open Hole | 8326.00          | 14738.97       | 6412.97          | 7814.31           | NA              | 542.29            | -476.68           | NA              | NA              |

## TARGETS

| Name             | MD<br>[ft] | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[srv ft] | Grid North<br>[srv ft] | Latitude       | Longitude       | Shape |
|------------------|------------|-------------|---------------|--------------|-----------------------|------------------------|----------------|-----------------|-------|
| 1).No. 308H PBHL | 14738.97   | 7766.00     | 5358.83       | -4710.44     | 646801.25             | 437333.59              | 32°12'05.243"N | 103°51'31.444"W | point |

## SURVEY PROGRAM Ref Wellbore: No. 308H PWB Ref Wellpath: Plan #2

| Start MD<br>[ft] | End MD<br>[ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore     |
|------------------|----------------|------------------------------|------------------|--------------|
| 19.00            | 14738.97       | NaviTrak (Standard)          |                  | No. 308H PWB |