



**McVAY DRILLING COMPANY**  
P.O. Box 2450  
Hobbs, New Mexico 88241  
(575) 397-3311  
FAX: 39-DRILL

RECEIVED

JAN 25 2012

BOPCO WTD PRODUCTION

Well Name and Num: Poker Lake Unit 333H  
Location: Sec. 13, T24S, R30E  
Operator: BOPCo  
Drilling Contractor: McVay Drilling Company

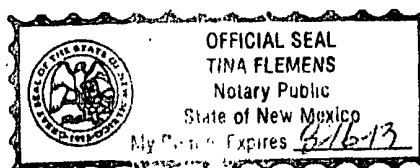
The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

| <u>Degrees @</u> | <u>Depth</u> | <u>Degrees @</u> | <u>Depth</u> | <u>Degrees @</u> | <u>Depth</u> | <u>Degrees @</u> | <u>Depth</u> |
|------------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|
| 0.90             | 247          | 1.04             | 6287         | 91.60            | 8921         | 89.50            | 12632        |
| 0.50             | 452          | 0.49             | 6725         | 90.90            | 9067         | 91.00            | 12914        |
| 0.28             | 658          | 1.30             | 7101         | 91.70            | 9349         | 87.80            | 13008        |
| 0.63             | 763          | 8.70             | 7283         | 90.70            | 9537         | 90.00            | 13196        |
| 0.40             | 1145         | 22.50            | 7419         | 91.20            | 9724         | 91.60            | 13384        |
| 0.20             | 1524         | 25.80            | 7492         | 91.30            | 9818         | 89.60            | 13759        |
| 0.20             | 1902         | 41.70            | 7679         | 91.30            | 10193        | 92.00            | 13853        |
| 0.03             | 2281         | 46.70            | 7771         | 90.70            | 10568        | 90.90            | 13946        |
| 0.10             | 2660         | 49.10            | 7803         | 91.90            | 10662        | 92.20            | 14228        |
| 0.70             | 3032         | 67.10            | 8024         | 92.30            | 10943        | 92.70            | 14450        |
| 0.06             | 3409         | 68.80            | 8056         | 91.70            | 11318        | 91.40            | 14603        |
| 0.80             | 3787         | 88.70            | 8340         | 89.90            | 11412        | 91.50            | 14791        |
| 0.40             | 4056         | 90.60            | 8403         | 92.80            | 11788        | 90.20            | 14978        |
| 0.69             | 4539         | 89.10            | 8471         | 92.00            | 11881        | 89.80            | 15040        |
| 0.76             | 5007         | 89.50            | 8545         | 92.40            | 11975        |                  |              |
| 1.16             | 5430         | 90.40            | 8670         | 90.20            | 12069        |                  |              |
| 1.21             | 5822         | 91.70            | 8795         | 90.70            | 12256        |                  |              |

By: *Tina Flemens*

Subscribed and sworn to before me this 20th day of January, 2012

*Tina Flemens*  
Notary Public, Lea County, New Mexico





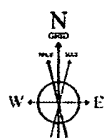
# BOPCO, L.P.

Location: Eddy County, NM  
Field: Poker Lake Unit  
Facility: Poker Lake Unit No. 333H

Slot: No.333H SHL  
Well: No.333H  
Wellbore: No.333H PWB

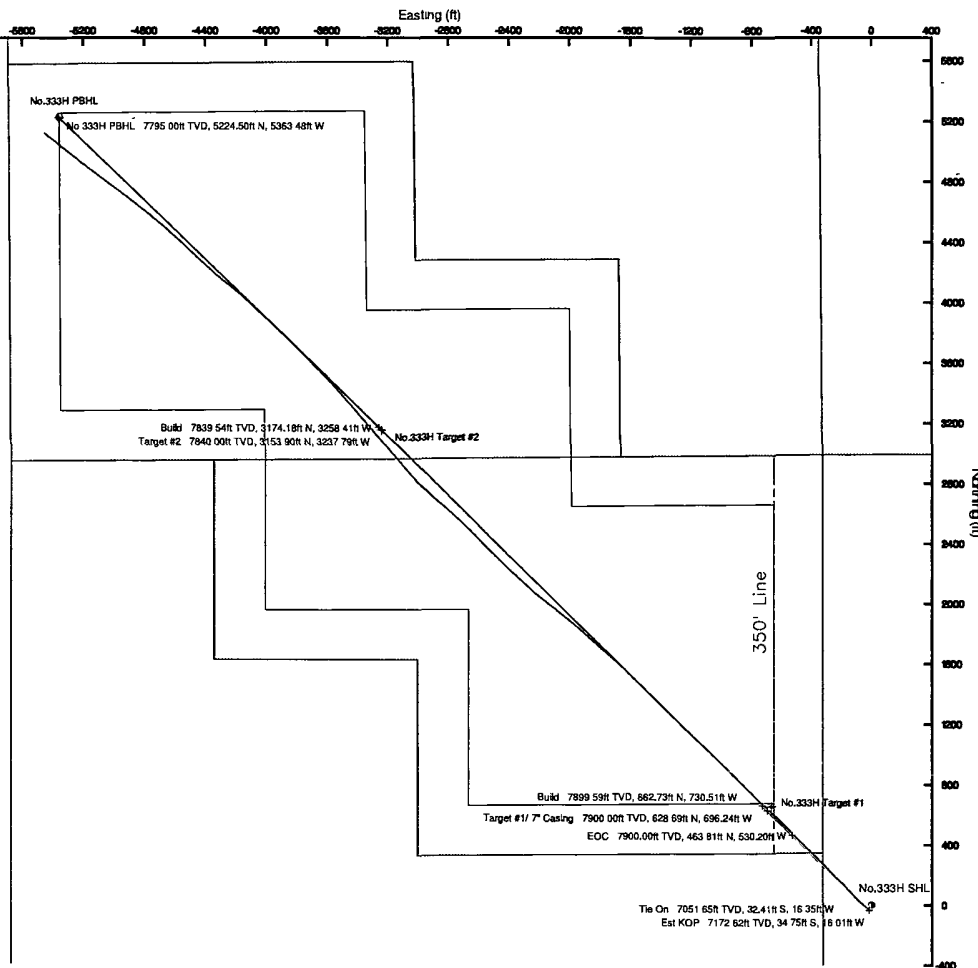
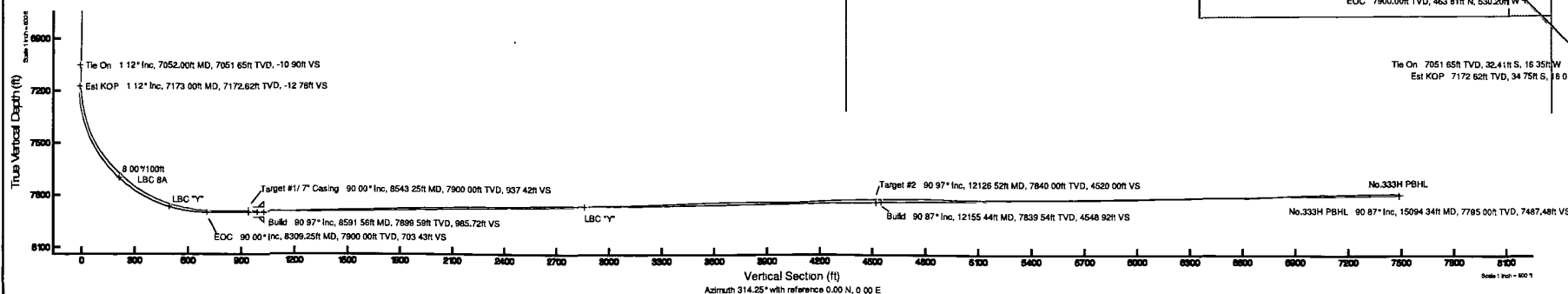


| Well Profile Data    |          |         |         |          |              |              |                |
|----------------------|----------|---------|---------|----------|--------------|--------------|----------------|
| Design Comment       | MD (ft)  | Inc (°) | Az (°)  | TVD (ft) | Local N (ft) | Local E (ft) | DLS (ft/100ft) |
| Tie On               | 7052.00  | 1.120   | 171.780 | 7051.65  | -32.41       | -16.35       | 0.00           |
| Est KOP              | 7173.00  | 1.120   | 171.780 | 7172.62  | -34.75       | -16.01       | 0.00           |
| EOC                  | 8309.25  | 90.000  | 314.800 | 7900.00  | 463.81       | -530.20      | 8.00           |
| Target #1/ 7" Casing | 8543.25  | 90.000  | 314.800 | 7900.00  | 628.69       | -696.24      | 0.00           |
| Build                | 8591.56  | 90.966  | 314.815 | 7899.59  | 662.73       | -730.51      | 2.00           |
| Target #2            | 12126.52 | 90.966  | 314.815 | 7840.00  | 3153.90      | -3237.79     | 0.00           |
| Build                | 12155.44 | 90.868  | 314.245 | 7839.54  | 3174.18      | -3258.41     | 2.00           |
| No.333H PBLH         | 15094.34 | 90.868  | 314.245 | 7795.00  | 5224.50      | -5363.48     | 0.00           |



BGGM (1945.0 to 2012.0) Dip 60.13° Field 48569.2 nT  
Magnetic North is 7.71 degrees East of True North (at 1/1/2011)  
Grid North is 0.28 degrees East of True North  
To correct azimuth from True to Grid subtract 0.28 degrees  
To correct azimuth from Magnetic to Grid add 7.44 degrees  
For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.44 = 97.44

|                                                                |                                                                     |
|----------------------------------------------------------------|---------------------------------------------------------------------|
| Plot reference wellpath is Plan #3                             | Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet |
| True vertical depths are referenced to Rig on No.333H SHL (KB) | North Reference: Grid north                                         |
| Measured depths are referenced to Rig on No.333H SHL (KB)      | Scale: True distance                                                |
| Rig on No.333H SHL (KB) to Mean Sea Level: 3475 feet           | Depths are in feet                                                  |
| Mean Sea Level to Mud line (At Slot No.333H SHL): -3456 feet   | Created by: jones on 1/8/2012                                       |
| Coordinates are in feet referenced to Slot                     |                                                                     |





# Actual Wellpath Report

No.333HAWP

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| REFERENCE WELLPATH IDENTIFICATION |                          |          |            |
|-----------------------------------|--------------------------|----------|------------|
| Operator                          | BOPCO, LP.               | Slot     | No.333HSHL |
| Area                              | Eddy County, NM          | Well     | No.333H    |
| Field                             | Poker Lake Unit          | Wellbore | No.333HAWB |
| Facility                          | Poker Lake Unit No. 333H |          |            |

| REPORT SETUP INFORMATION |                                                        |                      |                            |
|--------------------------|--------------------------------------------------------|----------------------|----------------------------|
| Projection System        | NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet | Software System      | Well Architect® 3.0.0      |
| North Reference          | Grid                                                   | User                 | Gentry                     |
| Scale                    | 0.999936                                               | Report Generated     | 1/12/2012 at 7:49:16 AM    |
| Convergence at slot      | 0.26° East                                             | Database/Source file | WA Midland/No.333H_AWB.xml |

| WELLPATH LOCATION     |                   |          |                  |                 |                        |                 |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
|                       | Local coordinates |          | Grid coordinates |                 | Geographic coordinates |                 |
|                       | North[ft]         | East[ft] | Easting[US ft]   | Northing[US ft] | Latitude               | Longitude       |
| Slot Location         | 0.00              | 0.00     | 662130.25        | 442947.20       | 32°13'00.559"N         | 103°50'29.125"W |
| Facility Reference Pt |                   |          | 662130.25        | 442947.20       | 32°13'00.559"N         | 103°50'29.125"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.333HSHL (KB) to Facility Vertical Datum       | 19.00ft         |
| Horizontal Reference Pt  | Slot                   | Rig on No.333HSHL (KB) to Mean Sea Level                | 3475.00ft       |
| Vertical Reference Pt    | Rig on No.333HSHL (KB) | Rig on No.333HSHL (KB) to Mid Line at Slot (No.333HSHL) | 19.00ft         |
| MD Reference Pt          | Rig on No.333HSHL (KB) | Section Origin                                          | N0.00, E0.00 ft |
| Field Vertical Reference | Mean Sea Level         | Section Azimuth                                         | 314.25°         |



# Actual Wellpath Report

No.333HAWP

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## REFERENCE WELL PATH IDENTIFICATION

|          |                          |          |            |
|----------|--------------------------|----------|------------|
| Operator | BOPCO, L.P.              | Slot     | No.333HSHL |
| Area     | Eddy County, NM          | Well     | No.333H    |
| Field    | Poker Lake Unit          | Wellbore | No.333HAWB |
| Facility | Poker Lake Unit No. 333H |          |            |

## WELL PATH DATA (195 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>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|----------|
| 0.00†      | 0.000              | 204.200        | 0.00        | 0.00              | 0.00          | 0.00         | 652130.25            | 442947.20             | 32°13'00.559"N | 103°50'29.125"W | 0.00             |          |
| 19.00      | 0.000              | 204.200        | 19.00       | 0.00              | 0.00          | 0.00         | 652130.25            | 442947.20             | 32°13'00.559"N | 103°50'29.125"W | 0.00             |          |
| 100.00     | 0.300              | 204.200        | 100.00      | -0.07             | -0.19         | -0.09        | 652130.16            | 442947.00             | 32°13'00.557"N | 103°50'29.127"W | 0.37             |          |
| 200.00     | 0.380              | 182.520        | 200.00      | -0.38             | -0.76         | -0.21        | 652130.04            | 442946.43             | 32°13'00.551"N | 103°50'29.128"W | 0.15             |          |
| 300.00     | 0.290              | 184.100        | 300.00      | -0.77             | -1.35         | -0.24        | 652130.01            | 442945.85             | 32°13'00.545"N | 103°50'29.128"W | 0.09             |          |
| 400.00     | 0.290              | 224.160        | 400.00      | -0.93             | -1.78         | -0.44        | 652129.81            | 442945.42             | 32°13'00.541"N | 103°50'29.131"W | 0.20             |          |
| 500.00     | 0.340              | 234.830        | 499.99      | -0.88             | -2.13         | -0.85        | 652129.39            | 442945.06             | 32°13'00.538"N | 103°50'29.136"W | 0.08             |          |
| 587.50     | 0.460              | 272.440        | 587.49      | -0.57             | -2.27         | -1.42        | 652128.83            | 442944.93             | 32°13'00.536"N | 103°50'29.142"W | 0.32             |          |
| 682.10     | 0.450              | 264.290        | 682.09      | -0.05             | -2.29         | -2.17        | 652128.08            | 442944.91             | 32°13'00.536"N | 103°50'29.151"W | 0.07             |          |
| 776.70     | 0.460              | 263.360        | 776.69      | 0.43              | -2.37         | -2.91        | 652127.33            | 442944.83             | 32°13'00.535"N | 103°50'29.160"W | 0.01             |          |
| 871.40     | 0.480              | 268.430        | 871.38      | 0.95              | -2.42         | -3.69        | 652126.56            | 442944.77             | 32°13'00.535"N | 103°50'29.169"W | 0.05             |          |
| 966.00     | 0.500              | 275.850        | 965.98      | 1.55              | -2.39         | -4.49        | 652125.75            | 442944.80             | 32°13'00.535"N | 103°50'29.178"W | 0.07             |          |
| 1060.60    | 0.470              | 293.590        | 1060.58     | 2.24              | -2.20         | -5.26        | 652124.99            | 442945.00             | 32°13'00.537"N | 103°50'29.187"W | 0.16             |          |
| 1155.20    | 0.440              | 306.130        | 1155.17     | 2.96              | -1.83         | -5.91        | 652124.34            | 442945.37             | 32°13'00.541"N | 103°50'29.194"W | 0.11             |          |
| 1249.80    | 0.290              | 322.170        | 1249.77     | 3.56              | -1.42         | -6.35        | 652123.90            | 442945.77             | 32°13'00.545"N | 103°50'29.199"W | 0.19             |          |
| 1344.40    | 0.230              | 340.250        | 1344.37     | 3.96              | -1.06         | -6.56        | 652123.69            | 442946.14             | 32°13'00.548"N | 103°50'29.202"W | 0.11             |          |
| 1439.00    | 0.250              | 358.570        | 1438.97     | 4.28              | -0.67         | -6.63        | 652123.62            | 442946.53             | 32°13'00.552"N | 103°50'29.203"W | 0.08             |          |
| 1533.60    | 0.140              | 353.260        | 1533.57     | 4.52              | -0.35         | -6.65        | 652123.60            | 442946.85             | 32°13'00.555"N | 103°50'29.203"W | 0.12             |          |
| 1628.20    | 0.120              | 278.890        | 1628.17     | 4.69              | -0.22         | -6.76        | 652123.49            | 442946.98             | 32°13'00.557"N | 103°50'29.204"W | 0.17             |          |
| 1722.80    | 0.260              | 256.950        | 1722.77     | 4.89              | -0.25         | -7.07        | 652123.18            | 442946.95             | 32°13'00.556"N | 103°50'29.208"W | 0.16             |          |
| 1817.50    | 0.260              | 256.240        | 1817.47     | 5.12              | -0.35         | -7.49        | 652122.76            | 442946.85             | 32°13'00.555"N | 103°50'29.213"W | 0.00             |          |
| 1912.10    | 0.290              | 253.190        | 1912.07     | 5.35              | -0.47         | -7.92        | 652122.33            | 442946.73             | 32°13'00.554"N | 103°50'29.218"W | 0.04             |          |
| 2006.70    | 0.320              | 244.050        | 2006.66     | 5.55              | -0.66         | -8.39        | 652121.86            | 442946.54             | 32°13'00.553"N | 103°50'29.223"W | 0.06             |          |
| 2101.30    | 0.320              | 229.580        | 2101.26     | 5.66              | -0.94         | -8.83        | 652121.42            | 442946.25             | 32°13'00.550"N | 103°50'29.228"W | 0.09             |          |
| 2195.90    | 0.250              | 223.950        | 2195.86     | 5.69              | -1.29         | -9.20        | 652121.05            | 442945.91             | 32°13'00.546"N | 103°50'29.233"W | 0.04             |          |
| 2290.50    | 0.210              | 201.130        | 2290.46     | 5.62              | -1.62         | -9.42        | 652120.82            | 442945.58             | 32°13'00.543"N | 103°50'29.235"W | 0.13             |          |
| 2385.10    | 0.160              | 161.070        | 2385.06     | 5.43              | -1.91         | -9.44        | 652120.80            | 442945.29             | 32°13'00.540"N | 103°50'29.236"W | 0.14             |          |
| 2479.70    | 0.180              | 122.170        | 2479.66     | 5.17              | -2.11         | -9.28        | 652120.97            | 442945.09             | 32°13'00.538"N | 103°50'29.234"W | 0.12             |          |
| 2574.30    | 0.080              | 43.070         | 2574.26     | 5.03              | -2.14         | -9.10        | 652121.14            | 442945.05             | 32°13'00.538"N | 103°50'29.232"W | 0.19             |          |
| 2668.90    | 0.130              | 344.470        | 2668.86     | 5.12              | -1.99         | -9.09        | 652121.16            | 442945.21             | 32°13'00.539"N | 103°50'29.231"W | 0.12             |          |
| 2763.60    | 0.380              | 27.570         | 2763.56     | 5.30              | -1.61         | -8.97        | 652121.28            | 442945.59             | 32°13'00.543"N | 103°50'29.230"W | 0.32             |          |
| 2858.20    | 0.580              | 30.300         | 2858.16     | 5.51              | -0.92         | -8.58        | 652121.66            | 442946.28             | 32°13'00.550"N | 103°50'29.225"W | 0.21             |          |
| 2952.80    | 0.540              | 26.960         | 2952.75     | 5.76              | -0.11         | -8.14        | 652122.11            | 442947.09             | 32°13'00.558"N | 103°50'29.220"W | 0.05             |          |
| 3047.40    | 0.550              | 12.990         | 3047.35     | 6.12              | 0.73          | -7.84        | 652122.41            | 442947.93             | 32°13'00.566"N | 103°50'29.217"W | 0.14             |          |
| 3142.00    | 0.690              | 6.690          | 3141.94     | 6.71              | 1.74          | -7.67        | 652122.58            | 442948.94             | 32°13'00.576"N | 103°50'29.215"W | 0.16             |          |
| 3236.60    | 0.630              | 16.930         | 3236.53     | 7.29              | 2.80          | -7.45        | 652122.80            | 442950.00             | 32°13'00.587"N | 103°50'29.212"W | 0.14             |          |
| 3331.20    | 0.620              | 38.030         | 3331.13     | 7.59              | 3.70          | -6.98        | 652123.26            | 442950.90             | 32°13'00.596"N | 103°50'29.207"W | 0.24             |          |
| 3425.80    | 0.420              | 54.780         | 3425.73     | 7.58              | 4.31          | -6.39        | 652123.86            | 442951.50             | 32°13'00.602"N | 103°50'29.200"W | 0.26             |          |
| 3520.40    | 0.220              | 132.670        | 3520.32     | 7.33              | 4.38          | -5.97        | 652124.28            | 442951.58             | 32°13'00.602"N | 103°50'29.195"W | 0.46             |          |
| 3615.00    | 0.540              | 183.210        | 3614.92     | 6.86              | 3.82          | -5.86        | 652124.39            | 442951.01             | 32°13'00.597"N | 103°50'29.193"W | 0.46             |          |
| 3709.70    | 0.840              | 188.830        | 3709.61     | 6.16              | 2.68          | -5.99        | 652124.26            | 442949.88             | 32°13'00.585"N | 103°50'29.195"W | 0.32             |          |
| 3804.30    | 0.690              | 188.210        | 3804.21     | 5.43              | 1.44          | -6.18        | 652124.07            | 442948.63             | 32°13'00.573"N | 103°50'29.197"W | 0.16             |          |
| 3898.90    | 0.410              | 188.250        | 3898.80     | 4.89              | 0.54          | -6.31        | 652123.94            | 442947.73             | 32°13'00.564"N | 103°50'29.199"W | 0.30             |          |
| 3993.50    | 0.230              | 192.260        | 3993.40     | 4.59              | 0.02          | -6.40        | 652123.85            | 442947.21             | 32°13'00.559"N | 103°50'29.200"W | 0.19             |          |
| 4088.10    | 0.220              | 192.300        | 4088.00     | 4.40              | -0.35         | -6.48        | 652123.77            | 442946.85             | 32°13'00.555"N | 103°50'29.201"W | 0.01             |          |



# Actual Wellpath Report

No.333HAWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                          |          |            |
|----------|--------------------------|----------|------------|
| Operator | BOPCO, L.P.              | Slot     | No.333HSHL |
| Area     | Eddy County, NM          | Well     | No.333H    |
| Field    | Poker Lake Unit          | Wellbore | No.333HAWB |
| Facility | Poker Lake Unit No. 333H |          |            |

## WELLPATH DATA (195 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert. Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|--------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|----------|
| 4182.70    | 0.190              | 194.700        | 4182.60     | 4.22               | -0.68         | -6.56        | 652123.69            | 442946.52             | 32°13'00.552"N | 103°50'29.202"W | 0.03             |          |
| 4277.30    | 0.220              | 184.210        | 4277.20     | 4.03               | -1.01         | -6.61        | 652123.64            | 442946.19             | 32°13'00.549"N | 103°50'29.202"W | 0.05             |          |
| 4371.90    | 0.320              | 174.570        | 4371.80     | 3.71               | -1.45         | -6.60        | 652123.65            | 442945.75             | 32°13'00.545"N | 103°50'29.202"W | 0.12             |          |
| 4466.50    | 0.470              | 178.860        | 4466.40     | 3.23               | -2.10         | -6.56        | 652123.68            | 442945.09             | 32°13'00.538"N | 103°50'29.202"W | 0.16             |          |
| 4561.10    | 0.570              | 186.860        | 4560.99     | 2.67               | -2.96         | -6.61        | 652123.64            | 442944.24             | 32°13'00.530"N | 103°50'29.203"W | 0.13             |          |
| 4655.80    | 0.650              | 189.710        | 4655.69     | 2.08               | -3.96         | -6.76        | 652123.49            | 442943.24             | 32°13'00.520"N | 103°50'29.204"W | 0.09             |          |
| 4750.40    | 0.680              | 186.560        | 4750.28     | 1.43               | -5.04         | -6.91        | 652123.33            | 442942.16             | 32°13'00.509"N | 103°50'29.206"W | 0.05             |          |
| 4845.00    | 0.700              | 195.060        | 4844.87     | 0.81               | -6.16         | -7.13        | 652123.12            | 442941.04             | 32°13'00.498"N | 103°50'29.209"W | 0.11             |          |
| 4939.60    | 0.730              | 209.100        | 4939.47     | 0.37               | -7.24         | -7.57        | 652122.68            | 442939.96             | 32°13'00.487"N | 103°50'29.214"W | 0.19             |          |
| 5034.20    | 0.840              | 214.340        | 5034.06     | 0.09               | -8.34         | -8.26        | 652121.99            | 442938.86             | 32°13'00.476"N | 103°50'29.222"W | 0.14             |          |
| 5128.80    | 0.840              | 217.180        | 5128.65     | -0.11              | -9.47         | -9.07        | 652121.18            | 442937.73             | 32°13'00.465"N | 103°50'29.232"W | 0.04             |          |
| 5223.40    | 0.830              | 225.420        | 5223.24     | -0.18              | -10.50        | -9.97        | 652120.28            | 442936.70             | 32°13'00.455"N | 103°50'29.242"W | 0.13             |          |
| 5318.00    | 0.840              | 220.790        | 5317.83     | -0.21              | -11.51        | -10.91       | 652119.33            | 442935.69             | 32°13'00.445"N | 103°50'29.253"W | 0.07             |          |
| 5412.60    | 0.780              | 219.550        | 5412.42     | -0.31              | -12.53        | -11.78       | 652118.47            | 442934.67             | 32°13'00.435"N | 103°50'29.263"W | 0.07             |          |
| 5507.20    | 0.870              | 232.490        | 5507.01     | -0.26              | -13.46        | -12.76       | 652117.49            | 442933.74             | 32°13'00.426"N | 103°50'29.275"W | 0.22             |          |
| 5601.90    | 0.750              | 233.330        | 5601.70     | -0.05              | -14.27        | -13.82       | 652116.42            | 442932.93             | 32°13'00.418"N | 103°50'29.287"W | 0.13             |          |
| 5696.50    | 0.710              | 230.240        | 5696.29     | 0.10               | -15.01        | -14.77       | 652115.48            | 442932.18             | 32°13'00.411"N | 103°50'29.298"W | 0.06             |          |
| 5791.10    | 0.720              | 228.730        | 5790.88     | 0.21               | -15.78        | -15.67       | 652114.58            | 442931.42             | 32°13'00.403"N | 103°50'29.309"W | 0.02             |          |
| 5885.70    | 0.660              | 221.220        | 5885.48     | 0.23               | -16.58        | -16.47       | 652113.77            | 442930.62             | 32°13'00.395"N | 103°50'29.318"W | 0.11             |          |
| 5980.30    | 0.650              | 215.870        | 5980.07     | -0.12              | -17.43        | -17.15       | 652113.10            | 442929.77             | 32°13'00.387"N | 103°50'29.326"W | 0.07             |          |
| 6074.90    | 0.610              | 209.320        | 6074.66     | -0.09              | -18.30        | -17.71       | 652112.54            | 442928.90             | 32°13'00.378"N | 103°50'29.333"W | 0.09             |          |
| 6169.50    | 0.770              | 192.950        | 6169.26     | -0.55              | -19.36        | -18.10       | 652112.15            | 442927.84             | 32°13'00.368"N | 103°50'29.337"W | 0.27             |          |
| 6264.10    | 0.980              | 185.890        | 6263.85     | -1.38              | -20.78        | -18.32       | 652111.93            | 442926.41             | 32°13'00.354"N | 103°50'29.340"W | 0.25             |          |
| 6358.70    | 1.160              | 180.120        | 6358.43     | -2.55              | -22.55        | -18.41       | 652111.84            | 442924.65             | 32°13'00.336"N | 103°50'29.341"W | 0.22             |          |
| 6453.30    | 1.140              | 179.660        | 6453.01     | -3.87              | -24.45        | -18.41       | 652111.84            | 442922.75             | 32°13'00.318"N | 103°50'29.341"W | 0.02             |          |
| 6547.90    | 1.010              | 177.140        | 6547.59     | -5.15              | -26.22        | -18.36       | 652111.89            | 442920.98             | 32°13'00.300"N | 103°50'29.341"W | 0.15             |          |
| 6642.60    | 0.570              | 168.290        | 6642.28     | -6.15              | -27.51        | -18.22       | 652112.08            | 442919.69             | 32°13'00.287"N | 103°50'29.339"W | 0.48             |          |
| 6737.20    | 0.500              | 156.480        | 6736.88     | -6.92              | -28.35        | -17.96       | 652112.29            | 442918.85             | 32°13'00.279"N | 103°50'29.336"W | 0.14             |          |
| 6831.80    | 0.650              | 145.250        | 6831.48     | -7.83              | -29.17        | -17.49       | 652112.76            | 442918.03             | 32°13'00.271"N | 103°50'29.331"W | 0.20             |          |
| 6926.40    | 0.890              | 157.380        | 6926.07     | -9.03              | -30.29        | -16.90       | 652113.35            | 442916.91             | 32°13'00.260"N | 103°50'29.324"W | 0.31             |          |
| 7052.00    | 1.120              | 171.780        | 7051.65     | -10.90             | -32.41        | -16.35       | 652113.90            | 442914.79             | 32°13'00.239"N | 103°50'29.318"W | 0.27             |          |
| 7117.00    | 1.300              | 170.800        | 7116.63     | -12.00             | -33.76        | -16.14       | 652114.11            | 442913.44             | 32°13'00.225"N | 103°50'29.315"W | 0.28             |          |
| 7149.00    | 0.900              | 196.700        | 7148.63     | -12.40             | -34.36        | -16.16       | 652114.09            | 442912.84             | 32°13'00.219"N | 103°50'29.315"W | 1.96             |          |
| 7180.00    | 1.800              | 280.000        | 7179.62     | -12.12             | -34.51        | -16.71       | 652113.54            | 442912.69             | 32°13'00.218"N | 103°50'29.322"W | 6.18             |          |
| 7211.00    | 3.800              | 296.400        | 7210.58     | -10.73             | -33.97        | -18.11       | 652112.14            | 442913.23             | 32°13'00.223"N | 103°50'29.338"W | 6.89             |          |
| 7243.00    | 6.300              | 297.500        | 7242.46     | -8.04              | -32.69        | -20.61       | 652109.64            | 442914.51             | 32°13'00.236"N | 103°50'29.367"W | 7.82             |          |
| 7273.00    | 8.700              | 295.700        | 7272.20     | -4.32              | -30.94        | -24.12       | 652106.13            | 442916.26             | 32°13'00.254"N | 103°50'29.408"W | 8.04             |          |
| 7305.00    | 10.800             | 298.200        | 7303.73     | 0.86               | -28.48        | -28.94       | 652101.31            | 442918.72             | 32°13'00.278"N | 103°50'29.464"W | 6.69             |          |
| 7335.00    | 12.500             | 301.200        | 7333.11     | 6.72               | -25.47        | -34.20       | 652096.05            | 442921.73             | 32°13'00.308"N | 103°50'29.525"W | 6.01             |          |
| 7366.00    | 15.000             | 304.600        | 7363.22     | 13.95              | -21.45        | -40.37       | 652089.88            | 442925.75             | 32°13'00.348"N | 103°50'29.596"W | 8.47             |          |
| 7398.00    | 17.700             | 307.400        | 7393.93     | 22.86              | -16.14        | -47.64       | 652082.61            | 442931.06             | 32°13'00.401"N | 103°50'29.681"W | 8.79             |          |
| 7429.00    | 20.500             | 308.800        | 7423.22     | 32.95              | -9.88         | -55.62       | 652074.63            | 442937.32             | 32°13'00.463"N | 103°50'29.773"W | 9.15             |          |
| 7460.00    | 23.200             | 309.900        | 7451.99     | 44.44              | -2.56         | -64.54       | 652065.72            | 442944.64             | 32°13'00.536"N | 103°50'29.877"W | 8.81             |          |
| 7492.00    | 25.800             | 312.000        | 7481.11     | 57.69              | 6.15          | -74.55       | 652055.70            | 442953.34             | 32°13'00.623"N | 103°50'29.993"W | 8.57             |          |
| 7522.00    | 28.600             | 313.600        | 7507.79     | 71.39              | 15.47         | -84.60       | 652045.65            | 442962.67             | 32°13'00.716"N | 103°50'30.109"W | 9.65             |          |



# Actual Wellpath Report

No.333HAWP  
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## REFERENCE WELLPATH IDENTIFICATION

|          |                          |          |            |
|----------|--------------------------|----------|------------|
| Operator | BOPCO, LP.               | Slot     | No.333HSHL |
| Area     | Eddy County, NM          | Well     | No.333H    |
| Field    | Poker Lake Unit          | Wellbore | No.333HAWB |
| Facility | Poker Lake Unit No. 333H |          |            |

## WELLPATH DATA (195 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|----------|
| 7553.00    | 31.100             | 313.600        | 7534.67     | 86.82             | 26.11         | -95.77       | 652034.48            | 442973.30             | 32°13'00.821"N | 103°50'30.239"W | 8.06             |          |
| 7585.00    | 34.100             | 316.100        | 7561.63     | 104.06            | 38.27         | -107.98      | 652022.27            | 442985.47             | 32°13'00.942"N | 103°50'30.380"W | 10.27            |          |
| 7616.00    | 36.800             | 317.200        | 7586.88     | 122.02            | 51.35         | -120.32      | 652009.94            | 442998.55             | 32°13'01.072"N | 103°50'30.523"W | 8.95             |          |
| 7648.00    | 39.800             | 317.900        | 7611.99     | 141.81            | 65.99         | -133.70      | 651996.56            | 443013.18             | 32°13'01.218"N | 103°50'30.678"W | 9.47             |          |
| 7679.00    | 41.700             | 318.000        | 7635.47     | 162.01            | 81.01         | -147.25      | 651983.00            | 443028.20             | 32°13'01.367"N | 103°50'30.835"W | 6.13             |          |
| 7710.00    | 43.500             | 317.900        | 7658.29     | 182.95            | 96.59         | -161.31      | 651968.95            | 443043.78             | 32°13'01.522"N | 103°50'30.998"W | 5.81             |          |
| 7741.00    | 45.100             | 317.400        | 7680.48     | 204.56            | 112.59        | -175.89      | 651954.37            | 443059.78             | 32°13'01.681"N | 103°50'31.167"W | 5.28             |          |
| 7771.00    | 46.700             | 315.400        | 7701.35     | 226.08            | 128.19        | -190.75      | 651939.51            | 443075.38             | 32°13'01.836"N | 103°50'31.339"W | 7.17             |          |
| 7803.00    | 49.100             | 314.700        | 7722.81     | 249.82            | 144.99        | -207.53      | 651922.74            | 443092.18             | 32°13'02.003"N | 103°50'31.533"W | 7.67             |          |
| 7835.00    | 51.700             | 314.500        | 7743.20     | 274.48            | 162.30        | -225.08      | 651905.18            | 443109.49             | 32°13'02.175"N | 103°50'31.737"W | 8.14             |          |
| 7866.00    | 54.300             | 314.200        | 7761.86     | 299.23            | 179.60        | -242.78      | 651887.48            | 443126.79             | 32°13'02.347"N | 103°50'31.942"W | 8.42             |          |
| 7898.00    | 57.400             | 315.300        | 7779.82     | 325.71            | 198.25        | -261.59      | 651868.68            | 443145.43             | 32°13'02.532"N | 103°50'32.160"W | 10.10            |          |
| 7930.00    | 60.500             | 316.000        | 7796.32     | 353.11            | 217.85        | -280.75      | 651849.52            | 443165.03             | 32°13'02.727"N | 103°50'32.382"W | 9.87             |          |
| 7962.00    | 63.800             | 316.400        | 7811.27     | 381.39            | 238.27        | -300.32      | 651829.94            | 443185.45             | 32°13'02.930"N | 103°50'32.608"W | 10.37            |          |
| 7993.00    | 65.800             | 316.300        | 7824.47     | 409.41            | 258.56        | -319.69      | 651810.58            | 443205.74             | 32°13'03.132"N | 103°50'32.833"W | 6.46             |          |
| 8024.00    | 67.100             | 315.900        | 7836.85     | 437.82            | 279.04        | -339.39      | 651790.88            | 443226.22             | 32°13'03.335"N | 103°50'33.061"W | 4.36             |          |
| 8056.00    | 68.800             | 314.900        | 7848.87     | 467.47            | 300.16        | -360.22      | 651770.06            | 443247.33             | 32°13'03.545"N | 103°50'33.302"W | 6.05             |          |
| 8089.00    | 72.100             | 314.000        | 7859.91     | 498.56            | 321.93        | -382.41      | 651747.86            | 443269.10             | 32°13'03.762"N | 103°50'33.559"W | 10.32            |          |
| 8119.00    | 75.500             | 313.700        | 7868.28     | 527.37            | 341.88        | -403.19      | 651727.09            | 443289.06             | 32°13'03.960"N | 103°50'33.800"W | 11.37            |          |
| 8151.00    | 78.300             | 314.500        | 7875.53     | 558.53            | 363.57        | -425.57      | 651704.71            | 443310.74             | 32°13'04.176"N | 103°50'34.059"W | 9.08             |          |
| 8182.00    | 79.700             | 315.100        | 7881.44     | 588.96            | 385.01        | -447.16      | 651683.12            | 443332.19             | 32°13'04.389"N | 103°50'34.310"W | 4.90             |          |
| 8214.00    | 80.400             | 315.300        | 7886.97     | 620.47            | 407.38        | -469.37      | 651660.91            | 443354.55             | 32°13'04.611"N | 103°50'34.567"W | 2.27             |          |
| 8245.00    | 82.300             | 315.500        | 7891.64     | 651.11            | 429.20        | -490.88      | 651639.40            | 443376.37             | 32°13'04.828"N | 103°50'34.816"W | 6.16             |          |
| 8277.00    | 85.400             | 315.600        | 7895.06     | 682.92            | 451.91        | -513.16      | 651617.12            | 443399.08             | 32°13'05.054"N | 103°50'35.074"W | 9.69             |          |
| 8308.00    | 88.200             | 315.600        | 7896.79     | 713.86            | 474.02        | -534.82      | 651595.47            | 443421.19             | 32°13'05.273"N | 103°50'35.325"W | 9.03             |          |
| 8340.00    | 88.700             | 315.800        | 7897.66     | 745.83            | 496.91        | -557.16      | 651573.13            | 443444.08             | 32°13'05.501"N | 103°50'35.584"W | 1.68             |          |
| 8371.00    | 89.500             | 315.300        | 7898.15     | 776.82            | 519.04        | -578.86      | 651551.42            | 443466.20             | 32°13'05.721"N | 103°50'35.836"W | 3.04             |          |
| 8403.00    | 90.600             | 314.900        | 7898.12     | 808.82            | 541.71        | -601.45      | 651528.84            | 443488.87             | 32°13'05.946"N | 103°50'36.097"W | 3.66             |          |
| 8433.00    | 91.000             | 313.700        | 7897.70     | 838.81            | 562.66        | -622.92      | 651507.37            | 443509.82             | 32°13'06.154"N | 103°50'36.346"W | 4.22             |          |
| 8471.00    | 89.500             | 314.100        | 7897.53     | 876.81            | 589.00        | -650.30      | 651479.99            | 443536.16             | 32°13'06.416"N | 103°50'36.663"W | 4.09             |          |
| 8525.00    | 89.500             | 314.100        | 7898.00     | 930.81            | 626.58        | -689.07      | 651441.22            | 443573.74             | 32°13'06.790"N | 103°50'37.113"W | 0.00             |          |
| 8545.00    | 89.500             | 312.700        | 7898.18     | 950.81            | 640.32        | -703.61      | 651426.69            | 443587.48             | 32°13'06.927"N | 103°50'37.281"W | 7.00             |          |
| 8608.00    | 89.900             | 312.600        | 7898.51     | 1013.78           | 683.01        | -749.94      | 651380.36            | 443630.16             | 32°13'07.351"N | 103°50'37.818"W | 0.65             |          |
| 8670.00    | 90.400             | 314.700        | 7898.35     | 1075.77           | 725.80        | -794.80      | 651335.50            | 443672.95             | 32°13'07.777"N | 103°50'38.338"W | 3.48             |          |
| 8733.00    | 90.800             | 314.600        | 7897.69     | 1138.77           | 770.07        | -839.62      | 651290.69            | 443717.22             | 32°13'08.217"N | 103°50'38.857"W | 0.65             |          |
| 8795.00    | 91.700             | 315.700        | 7896.33     | 1200.74           | 814.02        | -883.33      | 651246.98            | 443761.16             | 32°13'08.654"N | 103°50'39.364"W | 2.29             |          |
| 8858.00    | 92.300             | 315.500        | 7894.14     | 1263.69           | 859.00        | -927.38      | 651202.93            | 443806.14             | 32°13'09.101"N | 103°50'39.874"W | 1.00             |          |
| 8921.00    | 91.600             | 314.900        | 7891.99     | 1326.64           | 903.68        | -971.75      | 651158.56            | 443850.81             | 32°13'09.545"N | 103°50'40.388"W | 1.46             |          |
| 8983.00    | 91.900             | 314.500        | 7890.10     | 1388.61           | 947.27        | -1015.80     | 651114.52            | 443894.40             | 32°13'09.978"N | 103°50'40.899"W | 0.81             |          |
| 9067.00    | 90.900             | 313.700        | 7888.05     | 1472.58           | 1005.70       | -1076.10     | 651054.22            | 443952.83             | 32°13'10.559"N | 103°50'41.597"W | 1.52             |          |
| 9161.00    | 90.700             | 313.000        | 7886.73     | 1566.56           | 1070.22       | -1144.45     | 650985.88            | 444017.35             | 32°13'11.201"N | 103°50'42.390"W | 0.77             |          |
| 9255.00    | 91.700             | 314.100        | 7884.77     | 1660.53           | 1134.97       | -1212.56     | 650917.77            | 444082.09             | 32°13'11.844"N | 103°50'43.179"W | 1.58             |          |
| 9349.00    | 91.700             | 314.300        | 7881.98     | 1754.49           | 1200.48       | -1279.92     | 650850.41            | 444147.60             | 32°13'12.496"N | 103°50'43.960"W | 0.21             |          |
| 9443.00    | 91.100             | 314.400        | 7879.68     | 1848.46           | 1266.17       | -1347.12     | 650783.22            | 444213.28             | 32°13'13.149"N | 103°50'44.738"W | 0.65             |          |
| 9537.00    | 90.700             | 315.000        | 7878.20     | 1942.45           | 1332.28       | -1413.92     | 650716.42            | 444279.39             | 32°13'13.806"N | 103°50'45.512"W | 0.77             |          |





# Actual Wellpath Report

No.333HAWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                          |          |            |
|----------|--------------------------|----------|------------|
| Operator | BOPCO, L.P.              | Slot     | No.333HSHL |
| Area     | Eddy County, NM          | Well     | No.333H    |
| Field    | Poker Lake Unit          | Wellbore | No.333HAWB |
| Facility | Poker Lake Unit No. 333H |          |            |

## WELLPATH DATA (195 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[USft] | Grid North<br>[USft] | Latitude       | Longitude       | DLS<br>[%/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|---------------------|----------------------|----------------|-----------------|------------------|----------|
| 9631.00    | 91.100             | 314.600        | 7876.73     | 2036.43           | 1398.50       | -1480.61     | 650649.73           | 444345.61            | 32°13'14.464"N | 108°50'46.285"W | 0.60             |          |
| 9724.00    | 91.200             | 315.000        | 7874.86     | 2129.41           | 1464.02       | -1546.59     | 650583.76           | 444411.12            | 32°13'15.115"N | 108°50'47.050"W | 0.44             |          |
| 9818.00    | 91.300             | 315.300        | 7872.81     | 2223.37           | 1530.65       | -1612.87     | 650517.49           | 444477.74            | 32°13'15.778"N | 108°50'47.818"W | 0.34             |          |
| 9912.00    | 89.900             | 312.700        | 7871.83     | 2317.36           | 1595.93       | -1680.48     | 650449.88           | 444543.03            | 32°13'16.427"N | 108°50'48.601"W | 3.14             |          |
| 10006.00   | 89.900             | 311.200        | 7871.99     | 2411.28           | 1658.77       | -1750.38     | 650379.98           | 444605.86            | 32°13'17.052"N | 108°50'49.412"W | 1.60             |          |
| 10099.00   | 91.100             | 312.400        | 7871.18     | 2504.19           | 1720.75       | -1819.71     | 650310.66           | 444667.84            | 32°13'17.668"N | 108°50'50.215"W | 1.82             |          |
| 10193.00   | 91.300             | 312.800        | 7869.21     | 2598.13           | 1784.37       | -1888.89     | 650241.49           | 444731.44            | 32°13'18.301"N | 108°50'51.017"W | 0.48             |          |
| 10287.00   | 90.000             | 310.600        | 7868.14     | 2692.02           | 1846.89       | -1959.06     | 650171.32           | 444793.96            | 32°13'18.922"N | 108°50'51.831"W | 2.72             |          |
| 10381.00   | 89.500             | 308.700        | 7868.55     | 2785.71           | 1906.87       | -2031.43     | 650098.95           | 444853.94            | 32°13'19.519"N | 108°50'52.670"W | 2.09             |          |
| 10474.00   | 91.500             | 308.800        | 7867.74     | 2878.27           | 1965.07       | -2103.95     | 650026.43           | 444912.14            | 32°13'20.098"N | 108°50'53.511"W | 2.15             |          |
| 10568.00   | 90.700             | 307.600        | 7865.94     | 2971.73           | 2023.19       | -2177.81     | 649952.58           | 444970.25            | 32°13'20.677"N | 108°50'54.368"W | 1.53             |          |
| 10662.00   | 91.900             | 313.100        | 7863.80     | 3065.45           | 2084.01       | -2249.40     | 649881.00           | 445031.07            | 32°13'21.282"N | 108°50'55.198"W | 5.99             |          |
| 10756.00   | 91.500             | 312.200        | 7861.01     | 3159.37           | 2147.67       | -2318.51     | 649811.89           | 445094.72            | 32°13'21.915"N | 108°50'55.999"W | 1.05             |          |
| 10850.00   | 92.200             | 313.200        | 7857.98     | 3253.29           | 2211.38       | -2387.55     | 649742.85           | 445158.43            | 32°13'22.548"N | 108°50'56.799"W | 1.30             |          |
| 10943.00   | 92.300             | 315.500        | 7854.33     | 3346.21           | 2276.33       | -2454.00     | 649676.41           | 445223.38            | 32°13'23.194"N | 108°50'57.569"W | 2.47             |          |
| 11037.00   | 91.700             | 313.100        | 7851.05     | 3440.14           | 2341.94       | -2521.23     | 649609.19           | 445288.98            | 32°13'23.846"N | 108°50'58.348"W | 2.63             |          |
| 11131.00   | 92.400             | 317.200        | 7847.68     | 3534.05           | 2408.52       | -2587.47     | 649542.95           | 445355.56            | 32°13'24.508"N | 108°50'59.116"W | 4.42             |          |
| 11224.00   | 90.400             | 313.500        | 7845.41     | 3626.99           | 2474.65       | -2652.79     | 649477.63           | 445421.68            | 32°13'25.165"N | 108°50'59.873"W | 4.52             |          |
| 11318.00   | 91.700             | 314.300        | 7843.69     | 3720.97           | 2539.82       | -2720.51     | 649409.92           | 445486.85            | 32°13'25.813"N | 108°51'00.638"W | 1.62             |          |
| 11412.00   | 89.900             | 311.900        | 7842.37     | 3814.93           | 2604.03       | -2789.13     | 649341.30           | 445551.06            | 32°13'26.452"N | 108°51'01.453"W | 3.19             |          |
| 11506.00   | 89.500             | 310.300        | 7842.87     | 3908.78           | 2665.82       | -2859.96     | 649270.48           | 445612.84            | 32°13'27.066"N | 108°51'02.274"W | 1.75             |          |
| 11600.00   | 89.800             | 312.700        | 7843.44     | 4002.66           | 2728.10       | -2930.36     | 649200.09           | 445675.12            | 32°13'27.686"N | 108°51'03.090"W | 2.57             |          |
| 11693.00   | 93.100             | 316.300        | 7841.09     | 4095.61           | 2793.24       | -2996.65     | 649133.80           | 445740.26            | 32°13'28.333"N | 108°51'03.859"W | 5.25             |          |
| 11788.00   | 92.800             | 319.400        | 7836.20     | 4190.28           | 2863.57       | -3060.31     | 649070.14           | 445810.58            | 32°13'29.032"N | 108°51'04.596"W | 3.27             |          |
| 11881.00   | 92.000             | 319.700        | 7832.30     | 4282.80           | 2934.28       | -3120.59     | 649009.86           | 445881.29            | 32°13'29.734"N | 108°51'05.294"W | 0.92             |          |
| 11975.00   | 92.400             | 320.100        | 7828.69     | 4376.27           | 3006.13       | -3181.09     | 648949.36           | 445953.13            | 32°13'30.448"N | 108°51'05.995"W | 0.60             |          |
| 12069.00   | 90.200             | 319.400        | 7826.56     | 4469.81           | 3077.85       | -3241.81     | 648888.65           | 446024.85            | 32°13'31.160"N | 108°51'06.698"W | 2.46             |          |
| 12163.00   | 90.500             | 319.500        | 7825.99     | 4563.42           | 3149.28       | -3302.92     | 648827.55           | 446096.26            | 32°13'31.870"N | 108°51'07.405"W | 0.34             |          |
| 12256.00   | 90.700             | 319.400        | 7825.01     | 4656.03           | 3219.94       | -3363.38     | 648767.09           | 446166.92            | 32°13'32.572"N | 108°51'08.105"W | 0.24             |          |
| 12350.00   | 91.100             | 319.600        | 7823.54     | 4749.63           | 3291.41       | -3424.42     | 648706.06           | 446238.39            | 32°13'33.282"N | 108°51'08.812"W | 0.48             |          |
| 12444.00   | 88.600             | 318.700        | 7823.78     | 4843.28           | 3362.50       | -3485.90     | 648644.58           | 446309.48            | 32°13'33.988"N | 108°51'09.524"W | 2.83             |          |
| 12538.00   | 86.800             | 316.900        | 7827.56     | 4937.01           | 3432.08       | -3548.98     | 648581.50           | 446379.05            | 32°13'34.679"N | 108°51'10.255"W | 2.71             |          |
| 12632.00   | 89.500             | 315.800        | 7830.59     | 5030.89           | 3500.05       | -3613.82     | 648516.66           | 446447.02            | 32°13'35.355"N | 108°51'11.006"W | 3.10             |          |
| 12726.00   | 90.500             | 316.200        | 7830.59     | 5124.85           | 3567.67       | -3679.12     | 648451.37           | 446514.63            | 32°13'36.027"N | 108°51'11.763"W | 1.15             |          |
| 12820.00   | 91.100             | 315.600        | 7829.28     | 5218.80           | 3635.16       | -3744.53     | 648385.97           | 446582.12            | 32°13'36.697"N | 108°51'12.521"W | 0.90             |          |
| 12914.00   | 91.000             | 316.200        | 7827.56     | 5312.74           | 3702.66       | -3809.93     | 648320.57           | 446649.61            | 32°13'37.368"N | 108°51'13.278"W | 0.65             |          |
| 13008.00   | 87.800             | 313.300        | 7828.54     | 5406.71           | 3768.81       | -3876.67     | 648253.83           | 446715.76            | 32°13'38.026"N | 108°51'14.052"W | 4.59             |          |
| 13102.00   | 90.600             | 314.300        | 7829.85     | 5500.69           | 3833.86       | -3944.50     | 648186.01           | 446780.81            | 32°13'38.673"N | 108°51'14.838"W | 3.16             |          |
| 13196.00   | 91.000             | 313.300        | 7828.54     | 5594.67           | 3898.92       | -4012.34     | 648118.17           | 446845.86            | 32°13'39.319"N | 108°51'15.624"W | 1.15             |          |
| 13290.00   | 89.900             | 313.500        | 7827.80     | 5688.66           | 3963.50       | -4080.64     | 648049.88           | 446910.43            | 32°13'39.961"N | 108°51'16.416"W | 1.19             |          |
| 13384.00   | 91.600             | 312.800        | 7826.57     | 5782.63           | 4027.78       | -4149.21     | 647981.32           | 446974.71            | 32°13'40.600"N | 108°51'17.211"W | 1.96             |          |
| 13477.00   | 90.000             | 309.000        | 7825.27     | 5875.44           | 4088.65       | -4219.48     | 647911.05           | 447035.58            | 32°13'41.206"N | 108°51'18.026"W | 4.43             |          |
| 13571.00   | 91.300             | 309.700        | 7824.21     | 5969.09           | 4148.25       | -4292.16     | 647838.37           | 447095.17            | 32°13'41.799"N | 108°51'18.869"W | 1.57             |          |
| 13665.00   | 91.900             | 312.700        | 7821.58     | 6062.91           | 4210.13       | -4362.85     | 647767.69           | 447157.05            | 32°13'42.414"N | 108°51'19.688"W | 3.25             |          |
| 13759.00   | 89.600             | 311.400        | 7820.35     | 6156.82           | 4273.08       | -4432.64     | 647697.90           | 447219.99            | 32°13'43.040"N | 108°51'20.498"W | 2.81             |          |



# Actual Wellpath Report

No.333HAWP

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| REFERENCE WELLPATH IDENTIFICATION |                          |          |            |
|-----------------------------------|--------------------------|----------|------------|
| Operator                          | BOPCO, L.P.              | Slot     | No.333HSHL |
| Area                              | Eddy County, NM          | Well     | No.333H    |
| Field                             | Poker Lake Unit          | Wellbore | No.333HAWB |
| Facility                          | Poker Lake Unit No. 333H |          |            |

| WELLPATH DATA (195 stations) |                 |             |          |                |            |           |                   |                    |                |                 |               |             |
|------------------------------|-----------------|-------------|----------|----------------|------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|-------------|
| MD [ft]                      | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude       | Longitude       | DLS [°/100ft] | Comments    |
| 13853.00                     | 92.000          | 314.800     | 7819.04  | 6250.77        | 4337.29    | -4501.25  | 647629.29         | 447284.20          | 32°13'43.679"N | 108°51'21.293"W | 4.43          |             |
| 13946.00                     | 90.900          | 312.800     | 7816.68  | 6343.74        | 4401.63    | -4568.35  | 647562.20         | 447348.54          | 32°13'44.318"N | 108°51'22.071"W | 2.45          |             |
| 14040.00                     | 90.600          | 311.600     | 7815.45  | 6437.67        | 4464.77    | -4637.98  | 647492.57         | 447411.67          | 32°13'44.946"N | 108°51'22.878"W | 1.32          |             |
| 14134.00                     | 88.900          | 309.600     | 7815.86  | 6531.47        | 4525.93    | -4709.35  | 647421.22         | 447472.83          | 32°13'45.554"N | 108°51'23.706"W | 2.79          |             |
| 14228.00                     | 92.200          | 309.000     | 7814.96  | 6625.10        | 4585.46    | -4782.07  | 647348.49         | 447532.35          | 32°13'46.147"N | 108°51'24.549"W | 3.57          |             |
| 14322.00                     | 92.400          | 308.800     | 7811.19  | 6718.61        | 4644.44    | -4855.17  | 647275.40         | 447591.33          | 32°13'46.734"N | 108°51'25.397"W | 0.30          |             |
| 14415.00                     | 92.700          | 308.400     | 7807.05  | 6811.07        | 4702.40    | -4927.78  | 647202.80         | 447649.29          | 32°13'47.310"N | 108°51'26.239"W | 0.54          |             |
| 14509.00                     | 92.300          | 306.200     | 7802.95  | 6904.28        | 4759.31    | -5002.48  | 647128.10         | 447706.19          | 32°13'47.877"N | 108°51'27.106"W | 2.38          |             |
| 14603.00                     | 91.400          | 307.800     | 7799.92  | 6997.48        | 4815.85    | -5077.51  | 647053.08         | 447762.73          | 32°13'48.439"N | 108°51'27.976"W | 1.95          |             |
| 14696.00                     | 90.800          | 306.700     | 7798.13  | 7089.77        | 4872.13    | -5151.52  | 646979.07         | 447819.00          | 32°13'49.000"N | 108°51'28.835"W | 1.35          |             |
| 14791.00                     | 91.500          | 308.400     | 7796.22  | 7184.10        | 4930.01    | -5226.82  | 646903.78         | 447876.88          | 32°13'49.576"N | 108°51'29.709"W | 1.93          |             |
| 14884.00                     | 91.700          | 309.600     | 7793.63  | 7276.67        | 4988.51    | -5299.06  | 646831.54         | 447935.38          | 32°13'50.158"N | 108°51'30.547"W | 1.31          |             |
| 14978.00                     | 90.200          | 308.900     | 7792.07  | 7370.29        | 5047.98    | -5371.84  | 646758.76         | 447994.84          | 32°13'50.749"N | 108°51'31.391"W | 1.76          |             |
| 15040.00                     | 89.800          | 307.700     | 7792.07  | 7431.96        | 5086.40    | -5420.50  | 646710.11         | 448033.26          | 32°13'51.132"N | 108°51'31.955"W | 2.04          |             |
| 15091.00                     | 89.800          | 307.700     | 7792.25  | 7482.62        | 5117.59    | -5460.85  | 646669.76         | 448064.45          | 32°13'51.442"N | 108°51'32.424"W | 0.00          | Proj to Bit |

| TARGETS           |         |          |            |           |                   |                    |                |                 |       |
|-------------------|---------|----------|------------|-----------|-------------------|--------------------|----------------|-----------------|-------|
| Name              | MD [ft] | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude       | Longitude       | Shape |
| No.333H PBHL      |         | 7795.00  | 5224.50    | -5363.48  | 646767.12         | 448171.35          | 32°13'52.496"N | 108°51'31.285"W | point |
| No.333H Target #2 |         | 7840.00  | 3153.90    | -3237.79  | 648892.67         | 446100.89          | 32°13'31.913"N | 108°51'06.647"W | point |
| No.333H Target #1 |         | 7900.00  | 652.41     | -669.77   | 651460.53         | 443599.57          | 32°13'07.045"N | 108°50'36.887"W | point |

| WELLPATH COMPOSITION - Ref Wellbore: No.333HAWB Ref Wellpath: No.333HAWP |             |                                        |                           |            |
|--------------------------------------------------------------------------|-------------|----------------------------------------|---------------------------|------------|
| Start MD [ft]                                                            | End MD [ft] | Positional Uncertainty Model           | Log Name/Comment          | Wellbore   |
| 19.00                                                                    | 7052.00     | Generic gyro - northseeking (Standard) | GyroData Gyros <100-7052> | No.333HAWB |
| 7052.00                                                                  | 15091.00    | NaviTrak (Standard)                    | MWD NaviTrak <7117-XXXX>  | No.333HAWB |