



# BOPCO, L.P.

Location: Eddy County, NM  
Field: Poker Lake Unit  
Facility: Poker Lake Unit No. 320H

Slot: No.320H SHL  
Well: No.320H  
Wellbore: No.320H PWB

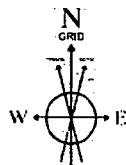


## Well Profile Data

| Design Comment | MD (ft)  | Inc. (°) | Az. (°) | TVD (ft) | Local N (ft) | Local E (ft) | DLS (°/100ft) | VS (ft) |
|----------------|----------|----------|---------|----------|--------------|--------------|---------------|---------|
| Tie On         | 12317.00 | 90.120   | 138.230 | 7636.24  | -3585.60     | 3622.20      | 0.00          | 5096.74 |
| Proj to Bt     | 12376.00 | 90.120   | 136.230 | 7636.12  | -3628.20     | 3663.02      | 0.00          | 5155.71 |
| TL             | 12471.68 | 89.688   | 134.366 | 7636.28  | -3686.21     | 3730.32      | 2.00          | 5251.38 |
| No. 320H PBHL  | 16727.39 | 89.688   | 134.366 | 7659.46  | -6671.91     | 6772.64      | 0.00          | 9507.00 |

Plot reference wellbore Rev-B.0

|                                                                |                                                                        |
|----------------------------------------------------------------|------------------------------------------------------------------------|
| True vertical depths are referenced to Rig on No.320H SHL (GB) | Grid System: NAD83 / TM New Mexico SP, Eastern Zone (000 U), U.S. feet |
| Measured depths are referenced to Rig on No.320H SHL (GB)      | North Reference: Grid north                                            |
| Rig on No.320H SHL (GB) to Mean Sea Level: 33.85 feet          | Scale: True distance                                                   |
| Mean Sea Level to Mud line (At Slot: No.320H SHL): 93.04 feet  | Depths are in feet                                                     |
| Coordinates are in feet referenced to Slot                     | Created by: gendry on 09/24/2012                                       |



BGGM (1945.0 to 2014.0) Dip: 60.08° Field: 48454.8 nT  
Magnetic North is 7.68 degrees East of True North (at 09/24/2012)

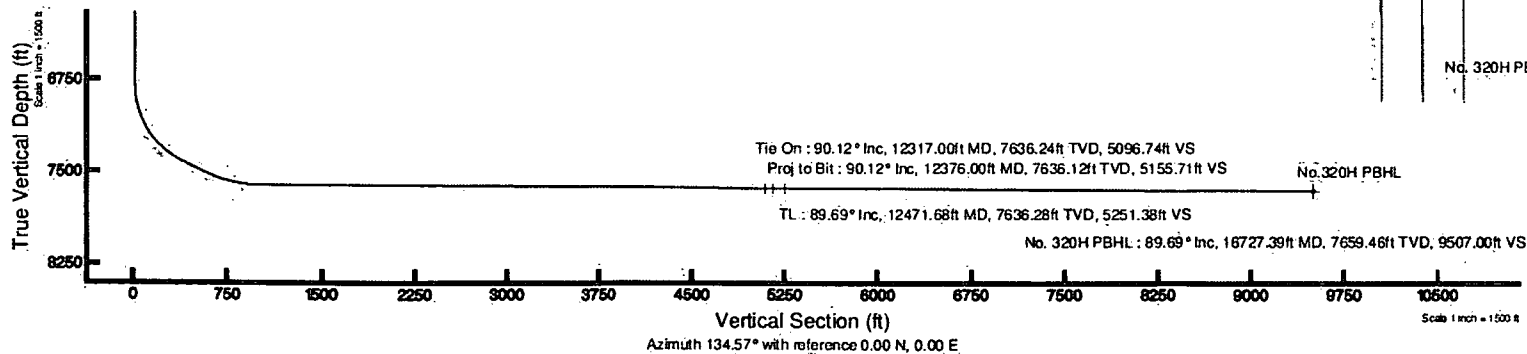
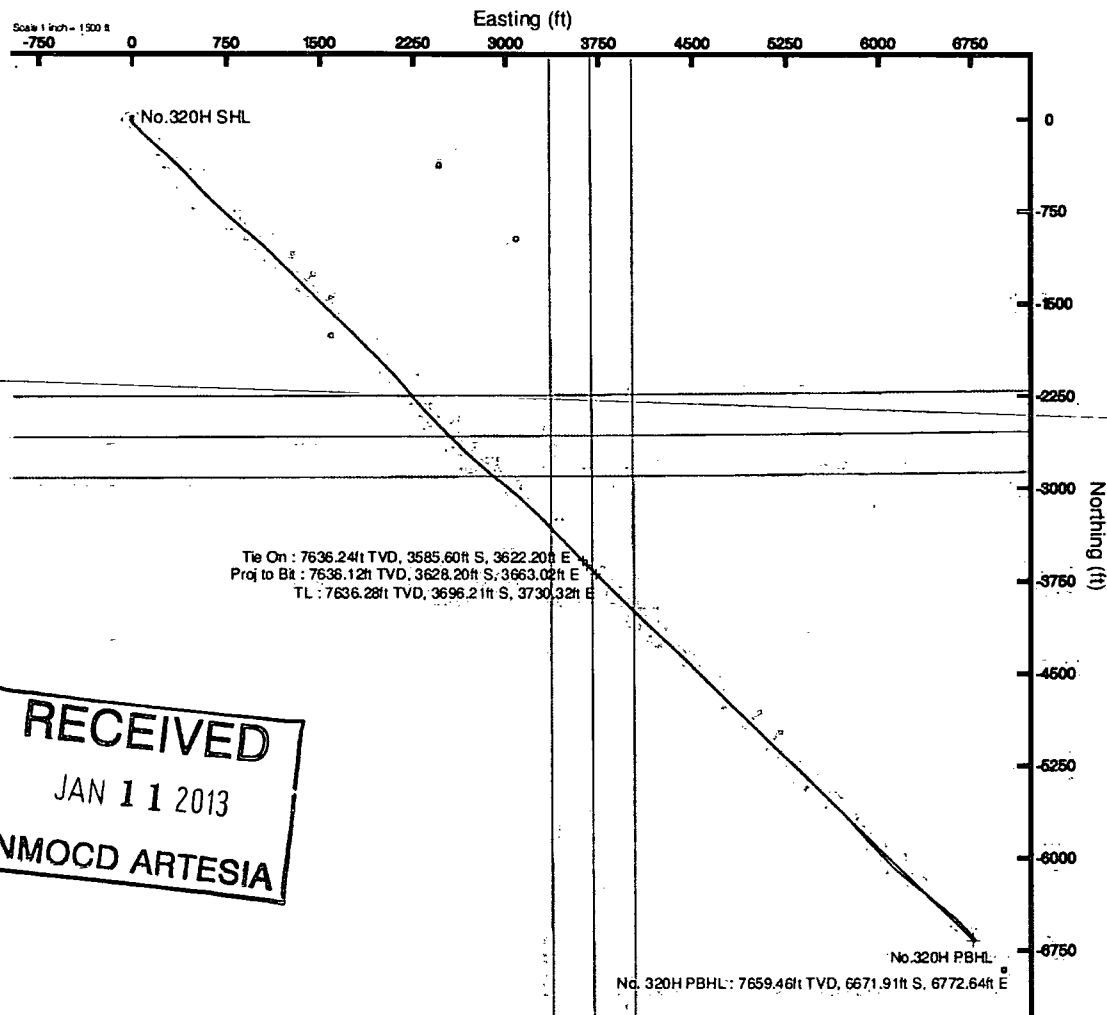
Grid North is 0.24 degrees East of True North

To correct azimuth from True to Grid subtract 0.24 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

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Rev-B.0

15-39810



# Actual Wellpath Report

No.320H AWP

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| REFERENCE WELLPATH IDENTIFICATION |                          |          |             |
|-----------------------------------|--------------------------|----------|-------------|
| Operator                          | BOPCO, L.P.              | Slot     | No.320H SHL |
| Area                              | Eddy County, NM          | Well     | No.320H     |
| Field                             | Poker Lake Unit          | Wellbore | No.320H AWB |
| Facility                          | Poker Lake Unit No. 320H |          |             |

| REPORT SETUP INFORMATION |                                                        |                      |                            |
|--------------------------|--------------------------------------------------------|----------------------|----------------------------|
| Projection System        | NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet | Software System      | WellArchitect@ 3.0.0       |
| North Reference          | Grid                                                   | User                 | Gentbry                    |
| Scale                    | 0.999931                                               | Report Generated     | 10/03/2012 at 6:16:13 AM   |
| Convergence at slot      | 0.24° East                                             | Database/Source file | WA Midland/No.320H_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     | 637376.51        | 453679.56       | 32°14'47.403"N         | 103°53'20.345"W |
| Facility Reference Pt |                   |          | 637376.51        | 453679.56       | 32°14'47.403"N         | 103°53'20.345"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.320H SHL (KB) to Facility Vertical Datum        | 22.00ft           |
| Horizontal Reference Pt  | Slot                    | Rig on No.320H SHL (KB) to Mean Sea Level                 | 3386.00ft         |
| Vertical Reference Pt    | Rig on No.320H SHL (KB) | Rig on No.320H SHL (KB) to Mud Line at Slot (No.320H SHL) | 22.00ft           |
| MD Reference Pt          | Rig on No.320H SHL (KB) | Section Origin                                            | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level          | Section Azimuth                                           | 134.57°           |



# Actual Wellpath Report

No.320H AWP

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**BAKER  
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## REFERENCE WELLPATH IDENTIFICATION

|          |                          |          |             |
|----------|--------------------------|----------|-------------|
| Operator | BOPCO, L.P.              | Slot     | No.320H SHL |
| Area     | Eddy County, NM          | Well     | No.320H     |
| Field    | Poker Lake Unit          | Wellbore | No.320H AWB |
| Facility | Poker Lake Unit No. 320H |          |             |

## WELLPATH DATA (207 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 |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|----------|
| 0.00       | 0.000              | 222.340        | 0.00        | 0.00              | 0.00          | 0.00         | 637376.51            | 453679.56             | 32°14'47.403"N | 103°53'20.345"W | 0.00             |          |
| 692.00     | 1.260              | 222.340        | 691.94      | 0.30              | -5.62         | -5.12        | 637371.39            | 453673.94             | 32°14'47.347"N | 103°53'20.405"W | 0.18             |          |
| 784.00     | 1.050              | 216.980        | 783.93      | 0.45              | -7.05         | -6.31        | 637370.20            | 453672.52             | 32°14'47.333"N | 103°53'20.419"W | 0.26             |          |
| 877.00     | 1.090              | 224.440        | 876.91      | 0.56              | -8.36         | -7.44        | 637369.07            | 453671.20             | 32°14'47.320"N | 103°53'20.432"W | 0.16             |          |
| 974.00     | 0.850              | 227.080        | 973.90      | 0.53              | -9.51         | -8.62        | 637367.89            | 453670.05             | 32°14'47.309"N | 103°53'20.446"W | 0.25             |          |
| 1069.00    | 0.730              | 228.660        | 1068.89     | 0.46              | -10.39        | -9.59        | 637366.92            | 453669.18             | 32°14'47.300"N | 103°53'20.457"W | 0.13             |          |
| 1164.00    | 0.630              | 226.490        | 1163.88     | 0.40              | -11.14        | -10.42       | 637366.09            | 453668.42             | 32°14'47.293"N | 103°53'20.467"W | 0.11             |          |
| 1258.00    | 0.470              | 210.860        | 1257.88     | 0.47              | -11.83        | -10.99       | 637365.52            | 453667.73             | 32°14'47.286"N | 103°53'20.474"W | 0.23             |          |
| 1353.00    | 0.430              | 199.680        | 1352.87     | 0.71              | -12.50        | -11.31       | 637365.20            | 453667.06             | 32°14'47.280"N | 103°53'20.478"W | 0.10             |          |
| 1447.00    | 0.310              | 193.310        | 1446.87     | 0.99              | -13.08        | -11.49       | 637365.02            | 453666.48             | 32°14'47.274"N | 103°53'20.480"W | 0.13             |          |
| 1542.00    | 0.310              | 181.080        | 1541.87     | 1.30              | -13.59        | -11.56       | 637364.96            | 453665.97             | 32°14'47.269"N | 103°53'20.480"W | 0.07             |          |
| 1636.00    | 0.250              | 147.180        | 1635.87     | 1.68              | -14.02        | -11.45       | 637365.06            | 453665.55             | 32°14'47.265"N | 103°53'20.479"W | 0.18             |          |
| 1730.00    | 0.160              | 123.420        | 1729.87     | 2.01              | -14.26        | -11.23       | 637365.28            | 453665.30             | 32°14'47.262"N | 103°53'20.477"W | 0.13             |          |
| 1825.00    | 0.280              | 120.610        | 1824.87     | 2.36              | -14.45        | -10.92       | 637365.59            | 453665.11             | 32°14'47.260"N | 103°53'20.473"W | 0.13             |          |
| 1919.00    | 0.250              | 86.510         | 1918.87     | 2.72              | -14.56        | -10.52       | 637366.00            | 453665.01             | 32°14'47.259"N | 103°53'20.468"W | 0.17             |          |
| 2014.00    | 0.220              | 99.100         | 2013.86     | 3.01              | -14.57        | -10.13       | 637366.38            | 453664.99             | 32°14'47.259"N | 103°53'20.464"W | 0.06             |          |
| 2109.00    | 0.220              | 44.560         | 2108.86     | 3.16              | -14.47        | -9.82        | 637366.69            | 453665.09             | 32°14'47.260"N | 103°53'20.460"W | 0.21             |          |
| 2204.00    | 0.350              | 27.050         | 2203.86     | 3.07              | -14.08        | -9.56        | 637366.95            | 453665.48             | 32°14'47.264"N | 103°53'20.457"W | 0.16             |          |
| 2298.00    | 0.400              | 47.780         | 2297.86     | 3.00              | -13.61        | -9.19        | 637367.32            | 453665.96             | 32°14'47.268"N | 103°53'20.453"W | 0.15             |          |
| 2393.00    | 0.510              | 36.620         | 2392.86     | 2.96              | -13.04        | -8.69        | 637367.82            | 453666.52             | 32°14'47.274"N | 103°53'20.447"W | 0.15             |          |
| 2487.00    | 0.410              | 44.060         | 2486.86     | 2.90              | -12.47        | -8.21        | 637368.31            | 453667.09             | 32°14'47.280"N | 103°53'20.441"W | 0.12             |          |
| 2582.00    | 0.220              | 15.300         | 2581.85     | 2.81              | -12.05        | -7.92        | 637368.59            | 453667.51             | 32°14'47.284"N | 103°53'20.438"W | 0.25             |          |
| 2676.00    | 0.100              | 21.030         | 2675.85     | 2.69              | -11.80        | -7.84        | 637368.67            | 453667.77             | 32°14'47.286"N | 103°53'20.437"W | 0.13             |          |
| 2771.00    | 0.160              | 91.300         | 2770.85     | 2.75              | -11.72        | -7.68        | 637368.83            | 453667.84             | 32°14'47.287"N | 103°53'20.435"W | 0.17             |          |
| 2865.00    | 0.250              | 30.280         | 2864.85     | 2.80              | -11.55        | -7.45        | 637369.06            | 453668.01             | 32°14'47.289"N | 103°53'20.432"W | 0.24             |          |
| 2960.00    | 0.140              | 49.140         | 2959.85     | 2.76              | -11.29        | -7.25        | 637369.26            | 453668.27             | 32°14'47.291"N | 103°53'20.430"W | 0.13             |          |
| 3054.00    | 0.290              | 89.620         | 3053.85     | 2.93              | -11.22        | -6.93        | 637369.58            | 453668.35             | 32°14'47.292"N | 103°53'20.426"W | 0.22             |          |
| 3148.00    | 0.440              | 127.740        | 3147.85     | 3.46              | -11.43        | -6.41        | 637370.10            | 453668.13             | 32°14'47.290"N | 103°53'20.420"W | 0.30             |          |
| 3243.00    | 0.650              | 124.960        | 3242.85     | 4.35              | -11.97        | -5.68        | 637370.83            | 453667.59             | 32°14'47.285"N | 103°53'20.412"W | 0.22             |          |
| 3337.00    | 0.580              | 112.180        | 3336.84     | 5.32              | -12.45        | -4.80        | 637371.71            | 453667.11             | 32°14'47.280"N | 103°53'20.402"W | 0.16             |          |
| 3431.00    | 0.630              | 139.210        | 3430.83     | 6.27              | -13.02        | -4.02        | 637372.49            | 453666.54             | 32°14'47.274"N | 103°53'20.393"W | 0.31             |          |
| 3526.00    | 0.650              | 132.210        | 3525.83     | 7.33              | -13.78        | -3.28        | 637373.23            | 453665.78             | 32°14'47.267"N | 103°53'20.384"W | 0.08             |          |
| 3620.00    | 0.550              | 138.640        | 3619.82     | 8.32              | -14.48        | -2.59        | 637373.92            | 453665.08             | 32°14'47.260"N | 103°53'20.376"W | 0.13             |          |
| 3714.00    | 0.290              | 129.650        | 3713.82     | 9.00              | -14.97        | -2.11        | 637374.40            | 453664.59             | 32°14'47.255"N | 103°53'20.370"W | 0.28             |          |
| 3730.00    | 0.250              | 155.980        | 3729.82     | 9.08              | -15.03        | -2.06        | 637374.45            | 453664.54             | 32°14'47.254"N | 103°53'20.370"W | 0.81             |          |
| 3796.00    | 0.180              | 140.850        | 3795.82     | 9.31              | -15.24        | -1.94        | 637374.57            | 453664.32             | 32°14'47.252"N | 103°53'20.368"W | 0.14             |          |
| 3892.00    | 0.140              | 98.170         | 3891.82     | 9.56              | -15.37        | -1.73        | 637374.78            | 453664.19             | 32°14'47.251"N | 103°53'20.366"W | 0.13             |          |
| 3986.00    | 0.070              | 178.320        | 3985.82     | 9.69              | -15.44        | -1.61        | 637374.90            | 453664.12             | 32°14'47.250"N | 103°53'20.365"W | 0.15             |          |
| 4081.00    | 0.100              | 243.040        | 4080.82     | 9.71              | -15.54        | -1.68        | 637374.83            | 453664.02             | 32°14'47.249"N | 103°53'20.366"W | 0.10             |          |
| 4175.00    | 0.000              | 323.090        | 4174.82     | 9.68              | -15.58        | -1.76        | 637374.75            | 453663.98             | 32°14'47.249"N | 103°53'20.366"W | 0.11             |          |
| 4269.00    | 0.100              | 347.840        | 4268.82     | 9.61              | -15.50        | -1.77        | 637374.74            | 453664.06             | 32°14'47.249"N | 103°53'20.367"W | 0.11             |          |
| 4363.00    | 0.210              | 112.440        | 4362.82     | 9.70              | -15.48        | -1.63        | 637374.88            | 453664.08             | 32°14'47.250"N | 103°53'20.365"W | 0.30             |          |
| 4458.00    | 0.100              | 134.150        | 4457.82     | 9.95              | -15.61        | -1.41        | 637375.10            | 453663.95             | 32°14'47.248"N | 103°53'20.362"W | 0.13             |          |
| 4552.00    | 0.160              | 72.270         | 4551.82     | 10.09             | -15.62        | -1.23        | 637375.28            | 453663.94             | 32°14'47.248"N | 103°53'20.360"W | 0.15             |          |
| 4646.00    | 0.250              | 136.010        | 4645.82     | 10.36             | -15.73        | -0.96        | 637375.55            | 453663.83             | 32°14'47.247"N | 103°53'20.357"W | 0.24             |          |



# Actual Wellpath Report

No.320H AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                          |          |             |
|----------|--------------------------|----------|-------------|
| Operator | BOPCO, L.P.              | Slot     | No.320H SHL |
| Area     | Eddy County, NM          | Well     | No.320H     |
| Field    | Poker Lake Unit          | Wellbore | No.320H AWB |
| Facility | Poker Lake Unit No. 320H |          |             |

## WELLPATH DATA (207 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 |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|------------------|----------|
| 4741.00    | 0.220              | 117.930        | 4740.82     | 10.74             | -15.97        | -0.65        | 637375.86            | 453663.60             | 32°14'47.245"N | 103°53'20.354"W | 0.08             |          |
| 4835.00    | 0.210              | 147.460        | 4834.82     | 11.08             | -16.20        | -0.40        | 637376.11            | 453663.37             | 32°14'47.243"N | 103°53'20.351"W | 0.12             |          |
| 4929.00    | 0.160              | 173.400        | 4928.82     | 11.35             | -16.47        | -0.29        | 637376.22            | 453663.09             | 32°14'47.240"N | 103°53'20.349"W | 0.10             |          |
| 5024.00    | 0.220              | 194.500        | 5023.82     | 11.54             | -16.78        | -0.32        | 637376.19            | 453662.78             | 32°14'47.237"N | 103°53'20.350"W | 0.10             |          |
| 5118.00    | 0.300              | 248.760        | 5117.82     | 11.53             | -17.04        | -0.60        | 637375.91            | 453662.52             | 32°14'47.234"N | 103°53'20.353"W | 0.26             |          |
| 5213.00    | 0.350              | 254.720        | 5212.81     | 11.29             | -17.21        | -1.11        | 637375.40            | 453662.35             | 32°14'47.232"N | 103°53'20.359"W | 0.06             |          |
| 5308.00    | 0.210              | 279.130        | 5307.81     | 11.00             | -17.26        | -1.56        | 637374.95            | 453662.30             | 32°14'47.232"N | 103°53'20.364"W | 0.19             |          |
| 5402.00    | 0.380              | 255.610        | 5401.81     | 10.70             | -17.31        | -2.03        | 637374.48            | 453662.25             | 32°14'47.232"N | 103°53'20.370"W | 0.22             |          |
| 5496.00    | 0.160              | 219.920        | 5495.81     | 10.55             | -17.49        | -2.42        | 637374.09            | 453662.07             | 32°14'47.230"N | 103°53'20.374"W | 0.28             |          |
| 5591.00    | 0.310              | 221.780        | 5590.81     | 10.57             | -17.78        | -2.68        | 637373.83            | 453661.78             | 32°14'47.227"N | 103°53'20.377"W | 0.16             |          |
| 5685.00    | 0.070              | 298.600        | 5684.81     | 10.53             | -17.94        | -2.90        | 637373.61            | 453661.62             | 32°14'47.225"N | 103°53'20.380"W | 0.32             |          |
| 5780.00    | 0.160              | 263.430        | 5779.81     | 10.39             | -17.93        | -3.08        | 637373.43            | 453661.63             | 32°14'47.225"N | 103°53'20.382"W | 0.12             |          |
| 5874.00    | 0.070              | 61.030         | 5873.81     | 10.32             | -17.92        | -3.16        | 637373.35            | 453661.64             | 32°14'47.226"N | 103°53'20.383"W | 0.24             |          |
| 5969.00    | 0.290              | 268.990        | 5968.81     | 10.17             | -17.89        | -3.35        | 637373.16            | 453661.67             | 32°14'47.226"N | 103°53'20.385"W | 0.37             |          |
| 6063.00    | 0.360              | 265.110        | 6062.81     | 9.81              | -17.92        | -3.88        | 637372.63            | 453661.64             | 32°14'47.226"N | 103°53'20.391"W | 0.08             |          |
| 6157.00    | 0.200              | 199.260        | 6156.81     | 9.69              | -18.10        | -4.23        | 637372.28            | 453661.46             | 32°14'47.224"N | 103°53'20.395"W | 0.35             |          |
| 6252.00    | 0.380              | 215.040        | 6251.80     | 9.81              | -18.52        | -4.47        | 637372.04            | 453661.04             | 32°14'47.220"N | 103°53'20.398"W | 0.21             |          |
| 6346.00    | 0.410              | 223.360        | 6345.80     | 9.87              | -19.02        | -4.88        | 637371.64            | 453660.54             | 32°14'47.215"N | 103°53'20.403"W | 0.07             |          |
| 6441.00    | 0.220              | 228.990        | 6440.80     | 9.87              | -19.38        | -5.25        | 637371.26            | 453660.18             | 32°14'47.211"N | 103°53'20.407"W | 0.20             |          |
| 6535.00    | 0.630              | 206.360        | 6534.80     | 10.01             | -19.97        | -5.61        | 637370.90            | 453659.60             | 32°14'47.205"N | 103°53'20.411"W | 0.46             |          |
| 6630.00    | 0.550              | 206.050        | 6629.79     | 10.32             | -20.84        | -6.04        | 637370.47            | 453658.72             | 32°14'47.197"N | 103°53'20.417"W | 0.08             |          |
| 6724.00    | 0.470              | 201.600        | 6723.79     | 10.62             | -21.61        | -6.38        | 637370.13            | 453657.95             | 32°14'47.189"N | 103°53'20.421"W | 0.09             |          |
| 6756.00    | 0.560              | 214.260        | 6755.79     | 10.69             | -21.86        | -6.52        | 637369.99            | 453657.70             | 32°14'47.187"N | 103°53'20.422"W | 0.45             |          |
| 6787.00    | 1.570              | 158.770        | 6786.78     | 11.11             | -22.38        | -6.45        | 637370.06            | 453657.18             | 32°14'47.182"N | 103°53'20.421"W | 4.31             |          |
| 6819.00    | 3.090              | 151.050        | 6818.76     | 12.34             | -23.54        | -5.88        | 637370.63            | 453656.02             | 32°14'47.170"N | 103°53'20.415"W | 4.84             |          |
| 6850.00    | 4.860              | 144.150        | 6849.68     | 14.43             | -25.34        | -4.70        | 637371.81            | 453654.22             | 32°14'47.152"N | 103°53'20.401"W | 5.90             |          |
| 6882.00    | 7.000              | 142.030        | 6881.51     | 17.70             | -27.97        | -2.71        | 637373.80            | 453651.59             | 32°14'47.126"N | 103°53'20.378"W | 6.72             |          |
| 6914.00    | 9.090              | 138.210        | 6913.19     | 22.16             | -31.40        | 0.18         | 637376.69            | 453648.17             | 32°14'47.092"N | 103°53'20.345"W | 6.74             |          |
| 6945.00    | 11.070             | 137.210        | 6943.71     | 27.58             | -35.41        | 3.83         | 637380.34            | 453644.16             | 32°14'47.052"N | 103°53'20.302"W | 6.41             |          |
| 6977.00    | 13.500             | 137.000        | 6974.98     | 34.38             | -40.39        | 8.47         | 637384.97            | 453639.17             | 32°14'47.003"N | 103°53'20.249"W | 7.60             |          |
| 7008.00    | 16.540             | 136.630        | 7004.91     | 42.41             | -46.25        | 13.96        | 637390.47            | 453633.31             | 32°14'46.945"N | 103°53'20.185"W | 9.81             |          |
| 7039.00    | 19.060             | 137.310        | 7034.43     | 51.87             | -53.18        | 20.43        | 637396.94            | 453626.39             | 32°14'46.876"N | 103°53'20.110"W | 8.16             |          |
| 7071.00    | 21.170             | 136.790        | 7064.47     | 62.87             | -61.23        | 27.93        | 637404.44            | 453618.33             | 32°14'46.796"N | 103°53'20.023"W | 6.62             |          |
| 7102.00    | 23.990             | 134.610        | 7093.09     | 74.76             | -69.74        | 36.25        | 637412.76            | 453609.83             | 32°14'46.711"N | 103°53'19.927"W | 9.49             |          |
| 7134.00    | 26.150             | 136.540        | 7122.08     | 88.32             | -79.43        | 45.73        | 637422.24            | 453600.14             | 32°14'46.615"N | 103°53'19.817"W | 7.22             |          |
| 7166.00    | 28.370             | 136.760        | 7150.52     | 102.97            | -90.09        | 55.79        | 637432.30            | 453589.48             | 32°14'46.509"N | 103°53'19.700"W | 6.94             |          |
| 7197.00    | 31.130             | 136.150        | 7177.43     | 118.34            | -101.23       | 66.39        | 637442.89            | 453578.34             | 32°14'46.398"N | 103°53'19.577"W | 8.96             |          |
| 7229.00    | 34.320             | 135.640        | 7204.35     | 135.63            | -113.65       | 78.43        | 637454.93            | 453565.92             | 32°14'46.275"N | 103°53'19.437"W | 10.01            |          |
| 7260.00    | 37.250             | 135.860        | 7229.50     | 153.75            | -126.63       | 91.08        | 637467.58            | 453552.94             | 32°14'46.146"N | 103°53'19.291"W | 9.46             |          |
| 7292.00    | 40.460             | 134.590        | 7254.41     | 173.82            | -140.88       | 105.22       | 637481.72            | 453538.69             | 32°14'46.004"N | 103°53'19.127"W | 10.34            |          |
| 7323.00    | 43.950             | 133.900        | 7277.37     | 194.64            | -155.40       | 120.14       | 637496.64            | 453524.17             | 32°14'45.860"N | 103°53'18.954"W | 11.36            |          |
| 7355.00    | 46.340             | 132.880        | 7299.94     | 217.32            | -170.98       | 136.62       | 637513.12            | 453508.59             | 32°14'45.705"N | 103°53'18.763"W | 7.80             |          |
| 7386.00    | 48.360             | 131.340        | 7320.94     | 240.10            | -186.26       | 153.54       | 637530.04            | 453493.31             | 32°14'45.553"N | 103°53'18.566"W | 7.47             |          |
| 7418.00    | 51.350             | 130.950        | 7341.57     | 264.51            | -202.36       | 171.96       | 637548.46            | 453477.22             | 32°14'45.393"N | 103°53'18.353"W | 9.39             |          |
| 7449.00    | 53.240             | 131.170        | 7360.53     | 288.99            | -218.47       | 190.45       | 637566.95            | 453461.11             | 32°14'45.233"N | 103°53'18.138"W | 6.12             |          |



# Actual Wellpath Report

No.320H AWP

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| REFERENCE WELLPATH IDENTIFICATION |                          |          |             |
|-----------------------------------|--------------------------|----------|-------------|
| Operator                          | BOPCO, L.P.              | Slot     | No.320H SHL |
| Area                              | Eddy County, NM          | Well     | No.320H     |
| Field                             | Poker Lake Unit          | Wellbore | No.320H AWB |
| Facility                          | Poker Lake Unit No. 320H |          |             |

| WELLPATH DATA (207 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 |
| 7481.00                      | 56.040             | 132.550        | 7379.05     | 315.06            | -235.88       | 209.88       | 637586.38            | 453443.69             | 32°14'45.060"N | 103°53'17.913"W | 9.43             |          |
| 7512.00                      | 58.630             | 132.690        | 7395.78     | 341.14            | -253.55       | 229.08       | 637605.58            | 453426.03             | 32°14'44.884"N | 103°53'17.690"W | 8.36             |          |
| 7544.00                      | 60.920             | 134.300        | 7411.89     | 368.78            | -272.58       | 249.14       | 637625.63            | 453407.00             | 32°14'44.695"N | 103°53'17.458"W | 8.37             |          |
| 7575.00                      | 62.240             | 134.090        | 7426.64     | 396.04            | -291.59       | 268.68       | 637645.18            | 453387.99             | 32°14'44.506"N | 103°53'17.231"W | 4.30             |          |
| 7607.00                      | 62.560             | 134.470        | 7441.47     | 424.40            | -311.39       | 288.99       | 637665.48            | 453368.19             | 32°14'44.310"N | 103°53'16.995"W | 1.45             |          |
| 7638.00                      | 62.920             | 133.960        | 7455.67     | 451.96            | -330.60       | 308.74       | 637685.23            | 453348.98             | 32°14'44.119"N | 103°53'16.766"W | 1.87             |          |
| 7670.00                      | 63.470             | 133.760        | 7470.10     | 480.51            | -350.39       | 329.33       | 637705.82            | 453329.19             | 32°14'43.922"N | 103°53'16.528"W | 1.81             |          |
| 7701.00                      | 63.790             | 134.160        | 7483.87     | 508.29            | -369.67       | 349.32       | 637725.81            | 453309.91             | 32°14'43.730"N | 103°53'16.296"W | 1.55             |          |
| 7713.00                      | 64.010             | 134.350        | 7489.14     | 519.06            | -377.19       | 357.04       | 637733.53            | 453302.39             | 32°14'43.656"N | 103°53'16.206"W | 2.32             |          |
| 7770.00                      | 64.680             | 136.040        | 7513.82     | 570.44            | -413.65       | 393.25       | 637769.73            | 453265.94             | 32°14'43.293"N | 103°53'15.787"W | 2.92             |          |
| 7794.00                      | 64.970             | 136.750        | 7524.03     | 592.15            | -429.38       | 408.23       | 637784.71            | 453250.21             | 32°14'43.137"N | 103°53'15.613"W | 2.94             |          |
| 7826.00                      | 65.410             | 137.200        | 7537.46     | 621.17            | -450.61       | 428.05       | 637804.53            | 453228.98             | 32°14'42.926"N | 103°53'15.383"W | 1.88             |          |
| 7857.00                      | 67.980             | 137.100        | 7549.72     | 649.61            | -471.48       | 447.41       | 637823.88            | 453208.11             | 32°14'42.719"N | 103°53'15.159"W | 8.30             |          |
| 7887.00                      | 70.690             | 137.140        | 7560.31     | 677.65            | -492.05       | 466.51       | 637842.98            | 453187.54             | 32°14'42.515"N | 103°53'14.937"W | 9.03             |          |
| 7918.00                      | 73.160             | 137.630        | 7569.93     | 707.08            | -513.74       | 486.46       | 637862.93            | 453165.86             | 32°14'42.299"N | 103°53'14.706"W | 8.11             |          |
| 7949.00                      | 74.840             | 137.990        | 7578.47     | 736.83            | -535.82       | 506.47       | 637882.94            | 453143.78             | 32°14'42.080"N | 103°53'14.474"W | 5.53             |          |
| 7980.00                      | 76.300             | 137.910        | 7586.20     | 766.80            | -558.11       | 526.58       | 637903.05            | 453121.49             | 32°14'41.858"N | 103°53'14.241"W | 4.72             |          |
| 8011.00                      | 77.810             | 136.680        | 7593.14     | 796.97            | -580.31       | 547.07       | 637923.54            | 453099.29             | 32°14'41.638"N | 103°53'14.004"W | 6.22             |          |
| 8042.00                      | 79.450             | 135.700        | 7599.25     | 827.35            | -602.24       | 568.10       | 637944.57            | 453077.37             | 32°14'41.420"N | 103°53'13.760"W | 6.13             |          |
| 8073.00                      | 80.830             | 135.300        | 7604.56     | 857.89            | -624.02       | 589.51       | 637965.98            | 453055.58             | 32°14'41.204"N | 103°53'13.512"W | 4.63             |          |
| 8104.00                      | 82.070             | 134.790        | 7609.17     | 888.54            | -645.71       | 611.17       | 637987.64            | 453033.89             | 32°14'40.988"N | 103°53'13.260"W | 4.32             |          |
| 8135.00                      | 83.260             | 134.040        | 7613.13     | 919.29            | -667.23       | 633.13       | 638009.60            | 453012.38             | 32°14'40.774"N | 103°53'13.006"W | 4.53             |          |
| 8166.00                      | 85.120             | 133.540        | 7616.27     | 950.13            | -688.57       | 655.39       | 638031.86            | 452991.04             | 32°14'40.562"N | 103°53'12.748"W | 6.21             |          |
| 8197.00                      | 87.350             | 133.260        | 7618.30     | 981.05            | -709.82       | 677.87       | 638054.33            | 452969.79             | 32°14'40.351"N | 103°53'12.487"W | 7.25             |          |
| 8229.00                      | 89.070             | 133.030        | 7619.30     | 1013.02           | -731.70       | 701.20       | 638077.66            | 452947.92             | 32°14'40.134"N | 103°53'12.216"W | 5.42             |          |
| 8260.00                      | 90.990             | 133.140        | 7619.29     | 1044.01           | -752.87       | 723.84       | 638100.30            | 452926.74             | 32°14'39.923"N | 103°53'11.954"W | 6.20             |          |
| 8291.00                      | 90.060             | 132.040        | 7619.00     | 1074.99           | -773.85       | 746.66       | 638123.12            | 452905.77             | 32°14'39.715"N | 103°53'11.689"W | 4.65             |          |
| 8384.00                      | 90.190             | 131.140        | 7618.80     | 1167.86           | -835.58       | 816.22       | 638192.67            | 452844.04             | 32°14'39.101"N | 103°53'10.882"W | 0.98             |          |
| 8476.00                      | 90.190             | 130.440        | 7618.49     | 1259.66           | -895.68       | 885.87       | 638262.32            | 452783.94             | 32°14'38.503"N | 103°53'10.074"W | 0.76             |          |
| 8569.00                      | 89.320             | 130.060        | 7618.89     | 1352.40           | -955.77       | 956.85       | 638333.29            | 452723.86             | 32°14'37.906"N | 103°53'09.251"W | 1.02             |          |
| 8663.00                      | 90.930             | 131.910        | 7618.69     | 1446.21           | -1017.42      | 1027.81      | 638404.24            | 452662.22             | 32°14'37.293"N | 103°53'08.428"W | 2.61             |          |
| 8756.00                      | 90.310             | 134.420        | 7617.68     | 1539.16           | -1081.03      | 1095.63      | 638472.06            | 452598.61             | 32°14'36.661"N | 103°53'07.641"W | 2.78             |          |
| 8850.00                      | 89.320             | 135.150        | 7617.98     | 1633.16           | -1147.25      | 1162.34      | 638538.77            | 452532.40             | 32°14'36.003"N | 103°53'06.868"W | 1.31             |          |
| 8943.00                      | 89.750             | 135.060        | 7618.74     | 1726.15           | -1213.12      | 1227.98      | 638604.40            | 452466.52             | 32°14'35.348"N | 103°53'06.107"W | 0.47             |          |
| 9036.00                      | 90.860             | 134.810        | 7618.24     | 1819.15           | -1278.81      | 1293.82      | 638670.23            | 452400.84             | 32°14'34.695"N | 103°53'05.343"W | 1.22             |          |
| 9130.00                      | 89.940             | 135.730        | 7617.59     | 1913.14           | -1345.59      | 1359.97      | 638736.38            | 452334.07             | 32°14'34.032"N | 103°53'04.576"W | 1.38             |          |
| 9224.00                      | 90.620             | 134.280        | 7617.13     | 2007.13           | -1412.06      | 1426.43      | 638802.83            | 452267.60             | 32°14'33.371"N | 103°53'03.806"W | 1.70             |          |
| 9317.00                      | 90.370             | 135.120        | 7616.32     | 2100.13           | -1477.47      | 1492.53      | 638868.93            | 452202.20             | 32°14'32.721"N | 103°53'03.039"W | 0.94             |          |
| 9410.00                      | 90.060             | 135.290        | 7615.97     | 2193.12           | -1543.47      | 1558.05      | 638934.45            | 452136.20             | 32°14'32.065"N | 103°53'02.280"W | 0.38             |          |
| 9504.00                      | 89.010             | 131.950        | 7616.74     | 2287.09           | -1608.30      | 1626.09      | 639002.48            | 452071.37             | 32°14'31.421"N | 103°53'01.491"W | 3.72             |          |
| 9597.00                      | 89.260             | 134.320        | 7618.14     | 2380.04           | -1671.88      | 1693.94      | 639070.33            | 452007.80             | 32°14'30.789"N | 103°53'00.704"W | 2.56             |          |
| 9692.00                      | 89.200             | 135.620        | 7619.42     | 2475.03           | -1739.01      | 1761.14      | 639137.53            | 451940.68             | 32°14'30.122"N | 103°52'59.925"W | 1.37             |          |
| 9786.00                      | 89.940             | 135.210        | 7620.12     | 2569.02           | -1805.95      | 1827.13      | 639203.51            | 451873.74             | 32°14'29.457"N | 103°52'59.160"W | 0.90             |          |
| 9880.00                      | 89.820             | 134.990        | 7620.32     | 2663.01           | -1872.54      | 1893.48      | 639269.85            | 451807.16             | 32°14'28.795"N | 103°52'58.391"W | 0.27             |          |
| 9974.00                      | 89.260             | 134.740        | 7621.08     | 2757.01           | -1938.85      | 1960.10      | 639336.47            | 451740.85             | 32°14'28.136"N | 103°52'57.618"W | 0.65             |          |



# Actual Wellpath Report

No.320H AWP

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# BAKER HUGHES

| REFERENCE WELLPATH IDENTIFICATION |                          |          |             |
|-----------------------------------|--------------------------|----------|-------------|
| Operator                          | BOPCO, L.P.              | Slot     | No.320H SHL |
| Area                              | Eddy County, NM          | Well     | No.320H     |
| Field                             | Poker Lake Unit          | Wellbore | No.320H AWB |
| Facility                          | Poker Lake Unit No. 320H |          |             |

| WELLPATH DATA (207 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 |
| 10068.00                     | 90.370             | 135.040        | 7621.38     | 2851.00           | -2005.18      | 2026.69      | 639403.06            | 451674.52             | 32°14'27.477"N | 103°52'56.846"W | 1.22             |          |
| 10163.00                     | 89.740             | 136.750        | 7621.29     | 2945.97           | -2073.40      | 2092.81      | 639469.17            | 451606.31             | 32°14'26.799"N | 103°52'56.080"W | 1.92             |          |
| 10240.00                     | 89.510             | 138.740        | 7621.79     | 3022.85           | -2130.39      | 2144.58      | 639520.94            | 451549.33             | 32°14'26.233"N | 103°52'55.480"W | 2.60             |          |
| 10335.00                     | 89.200             | 141.220        | 7622.86     | 3117.41           | -2203.13      | 2205.66      | 639582.02            | 451476.59             | 32°14'25.511"N | 103°52'54.772"W | 2.63             |          |
| 10430.00                     | 90.440             | 139.220        | 7623.16     | 3211.95           | -2276.13      | 2266.45      | 639642.79            | 451403.59             | 32°14'24.786"N | 103°52'54.068"W | 2.48             |          |
| 10524.00                     | 88.890             | 137.720        | 7623.71     | 3305.72           | -2346.50      | 2328.76      | 639705.11            | 451333.23             | 32°14'24.087"N | 103°52'53.346"W | 2.29             |          |
| 10619.00                     | 89.560             | 135.690        | 7624.99     | 3400.64           | -2415.63      | 2393.90      | 639770.24            | 451264.10             | 32°14'23.400"N | 103°52'52.591"W | 2.25             |          |
| 10713.00                     | 89.380             | 136.270        | 7625.86     | 3494.61           | -2483.22      | 2459.22      | 639835.55            | 451196.52             | 32°14'22.729"N | 103°52'51.834"W | 0.65             |          |
| 10808.00                     | 91.170             | 135.420        | 7625.41     | 3589.58           | -2551.37      | 2525.39      | 639901.72            | 451128.37             | 32°14'22.052"N | 103°52'51.067"W | 2.09             |          |
| 10902.00                     | 90.250             | 134.230        | 7624.24     | 3683.57           | -2617.63      | 2592.06      | 639968.38            | 451062.11             | 32°14'21.393"N | 103°52'50.294"W | 1.60             |          |
| 10997.00                     | 90.000             | 135.480        | 7624.04     | 3778.56           | -2684.64      | 2659.40      | 640035.72            | 450995.12             | 32°14'20.727"N | 103°52'49.513"W | 1.34             |          |
| 11092.00                     | 88.950             | 131.290        | 7624.91     | 3873.52           | -2749.87      | 2728.42      | 640104.74            | 450929.88             | 32°14'20.079"N | 103°52'48.713"W | 4.55             |          |
| 11186.00                     | 90.260             | 131.990        | 7625.55     | 3967.39           | -2812.33      | 2798.67      | 640174.98            | 450867.43             | 32°14'19.458"N | 103°52'47.898"W | 1.58             |          |
| 11280.00                     | 90.430             | 130.740        | 7624.99     | 4061.24           | -2874.45      | 2869.21      | 640245.52            | 450805.32             | 32°14'18.840"N | 103°52'47.080"W | 1.34             |          |
| 11374.00                     | 88.580             | 128.140        | 7625.80     | 4154.85           | -2934.15      | 2941.80      | 640318.10            | 450745.62             | 32°14'18.247"N | 103°52'46.238"W | 3.39             |          |
| 11468.00                     | 89.380             | 128.750        | 7627.47     | 4248.29           | -2992.59      | 3015.40      | 640391.70            | 450687.19             | 32°14'17.665"N | 103°52'45.384"W | 1.07             |          |
| 11562.00                     | 89.380             | 131.770        | 7628.49     | 4342.01           | -3053.33      | 3087.13      | 640463.42            | 450626.45             | 32°14'17.061"N | 103°52'44.552"W | 3.21             |          |
| 11657.00                     | 89.750             | 133.250        | 7629.21     | 4436.94           | -3117.51      | 3157.15      | 640533.44            | 450562.27             | 32°14'16.423"N | 103°52'43.740"W | 1.61             |          |
| 11750.00                     | 88.770             | 133.080        | 7630.41     | 4529.91           | -3181.13      | 3224.98      | 640601.26            | 450498.66             | 32°14'15.791"N | 103°52'42.953"W | 1.07             |          |
| 11845.00                     | 89.740             | 135.340        | 7631.65     | 4624.89           | -3247.36      | 3293.06      | 640669.34            | 450432.43             | 32°14'15.133"N | 103°52'42.164"W | 2.59             |          |
| 11939.00                     | 89.810             | 136.520        | 7632.02     | 4718.86           | -3314.90      | 3358.44      | 640734.71            | 450364.90             | 32°14'14.462"N | 103°52'41.406"W | 1.26             |          |
| 12033.00                     | 88.770             | 136.030        | 7633.18     | 4812.81           | -3382.82      | 3423.41      | 640799.67            | 450296.98             | 32°14'13.787"N | 103°52'40.653"W | 1.22             |          |
| 12127.00                     | 89.320             | 134.600        | 7634.75     | 4906.79           | -3449.64      | 3489.50      | 640865.76            | 450230.16             | 32°14'13.123"N | 103°52'39.887"W | 1.63             |          |
| 12222.00                     | 89.380             | 135.970        | 7635.83     | 5001.77           | -3517.15      | 3556.33      | 640932.59            | 450162.66             | 32°14'12.452"N | 103°52'39.112"W | 1.44             |          |
| 12317.00                     | 90.120             | 136.230        | 7636.24     | 5096.74           | -3585.60      | 3622.20      | 640998.46            | 450094.22             | 32°14'11.772"N | 103°52'38.349"W | 0.83             |          |
| 12401.00                     | 89.600             | 134.900        | 7636.45     | 5180.72           | -3645.58      | 3681.01      | 641057.26            | 450034.24             | 32°14'11.176"N | 103°52'37.667"W | 1.70             |          |
| 12494.00                     | 89.700             | 135.300        | 7637.02     | 5273.72           | -3711.45      | 3746.66      | 641122.90            | 449968.37             | 32°14'10.521"N | 103°52'36.906"W | 0.44             |          |
| 12589.00                     | 89.700             | 135.000        | 7637.51     | 5368.71           | -3778.80      | 3813.65      | 641189.89            | 449901.03             | 32°14'09.852"N | 103°52'36.129"W | 0.32             |          |
| 12683.00                     | 89.400             | 135.100        | 7638.25     | 5462.70           | -3845.32      | 3880.06      | 641256.29            | 449834.51             | 32°14'09.191"N | 103°52'35.359"W | 0.34             |          |
| 12778.00                     | 89.700             | 135.400        | 7639.00     | 5557.69           | -3912.79      | 3946.94      | 641323.17            | 449767.05             | 32°14'08.520"N | 103°52'34.584"W | 0.45             |          |
| 12873.00                     | 89.600             | 135.700        | 7639.58     | 5652.68           | -3980.60      | 4013.47      | 641389.69            | 449699.24             | 32°14'07.847"N | 103°52'33.813"W | 0.33             |          |
| 12967.00                     | 90.100             | 135.200        | 7639.82     | 5746.66           | -4047.59      | 4079.41      | 641455.63            | 449632.26             | 32°14'07.181"N | 103°52'33.049"W | 0.75             |          |
| 13062.00                     | 90.100             | 133.100        | 7639.66     | 5841.66           | -4113.76      | 4147.57      | 641523.78            | 449566.09             | 32°14'06.523"N | 103°52'32.258"W | 2.21             |          |
| 13156.00                     | 90.000             | 131.200        | 7639.58     | 5935.57           | -4176.84      | 4217.26      | 641593.47            | 449503.02             | 32°14'05.896"N | 103°52'31.450"W | 2.02             |          |
| 13251.00                     | 89.500             | 131.700        | 7639.99     | 6030.43           | -4239.72      | 4288.46      | 641664.67            | 449440.14             | 32°14'05.271"N | 103°52'30.624"W | 0.74             |          |
| 13346.00                     | 89.500             | 133.300        | 7640.82     | 6125.36           | -4303.90      | 4358.50      | 641734.70            | 449375.97             | 32°14'04.633"N | 103°52'29.812"W | 1.68             |          |
| 13439.00                     | 89.500             | 133.700        | 7641.63     | 6218.34           | -4367.91      | 4425.96      | 641802.15            | 449311.96             | 32°14'03.997"N | 103°52'29.030"W | 0.43             |          |
| 13534.00                     | 89.600             | 134.900        | 7642.38     | 6313.33           | -4434.26      | 4493.94      | 641870.13            | 449245.62             | 32°14'03.337"N | 103°52'28.242"W | 1.27             |          |
| 13628.00                     | 89.500             | 135.200        | 7643.12     | 6407.33           | -4500.78      | 4560.35      | 641936.54            | 449179.10             | 32°14'02.676"N | 103°52'27.472"W | 0.34             |          |
| 13722.00                     | 89.600             | 135.800        | 7643.85     | 6501.31           | -4567.83      | 4626.23      | 642002.41            | 449112.06             | 32°14'02.010"N | 103°52'26.709"W | 0.65             |          |
| 13817.00                     | 89.500             | 136.000        | 7644.60     | 6596.28           | -4636.05      | 4692.34      | 642068.52            | 449043.84             | 32°14'01.332"N | 103°52'25.942"W | 0.24             |          |
| 13910.00                     | 90.000             | 136.100        | 7645.01     | 6689.25           | -4703.00      | 4756.89      | 642133.06            | 448976.89             | 32°14'00.667"N | 103°52'25.194"W | 0.55             |          |
| 14004.00                     | 90.100             | 134.200        | 7644.92     | 6783.24           | -4769.64      | 4823.18      | 642199.34            | 448910.26             | 32°14'00.005"N | 103°52'24.426"W | 2.02             |          |
| 14099.00                     | 90.100             | 133.200        | 7644.76     | 6878.23           | -4835.27      | 4891.86      | 642268.02            | 448844.63             | 32°13'59.352"N | 103°52'23.630"W | 1.05             |          |
| 14195.00                     | 89.900             | 134.300        | 7644.76     | 6974.22           | -4901.66      | 4961.20      | 642337.36            | 448778.25             | 32°13'58.692"N | 103°52'22.826"W | 1.16             |          |



# Actual Wellpath Report

No.320H AWP

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| REFERENCE WELLPATH IDENTIFICATION |                          |          |             |
|-----------------------------------|--------------------------|----------|-------------|
| Operator                          | BOPCO, L.P.              | Slot     | No.320H SHL |
| Area                              | Eddy County, NM          | Well     | No.320H     |
| Field                             | Poker Lake Unit          | Wellbore | No.320H AWB |
| Facility                          | Poker Lake Unit No. 320H |          |             |

| WELLPATH DATA (207 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    |
| 14290.00                     | 90.100             | 134.100        | 7644.76     | 7069.21           | -4967.89      | 5029.31      | 642405.46            | 448712.03             | 32°13'58.034"N | 103°52'22.036"W | 0.30             |             |
| 14384.00                     | 90.100             | 136.100        | 7644.59     | 7163.21           | -5034.47      | 5095.66      | 642471.81            | 448645.45             | 32°13'57.372"N | 103°52'21.267"W | 2.13             |             |
| 14480.00                     | 89.500             | 135.100        | 7644.93     | 7259.19           | -5103.06      | 5162.83      | 642538.97            | 448576.87             | 32°13'56.691"N | 103°52'20.489"W | 1.21             |             |
| 14575.00                     | 89.500             | 131.400        | 7645.76     | 7354.14           | -5168.13      | 5232.01      | 642608.14            | 448511.79             | 32°13'56.044"N | 103°52'19.686"W | 3.89             |             |
| 14670.00                     | 89.500             | 129.400        | 7646.59     | 7448.88           | -5229.70      | 5304.35      | 642680.48            | 448450.23             | 32°13'55.432"N | 103°52'18.847"W | 2.11             |             |
| 14766.00                     | 89.600             | 134.700        | 7647.34     | 7544.75           | -5293.97      | 5375.60      | 642751.73            | 448385.96             | 32°13'54.793"N | 103°52'18.021"W | 5.52             |             |
| 14861.00                     | 89.600             | 136.700        | 7648.01     | 7639.73           | -5361.96      | 5441.95      | 642818.07            | 448317.98             | 32°13'54.117"N | 103°52'17.252"W | 2.11             |             |
| 14956.00                     | 89.500             | 136.400        | 7648.75     | 7734.67           | -5430.93      | 5507.28      | 642883.40            | 448249.02             | 32°13'53.432"N | 103°52'16.495"W | 0.33             |             |
| 15051.00                     | 89.500             | 135.300        | 7649.58     | 7829.64           | -5499.09      | 5573.45      | 642949.56            | 448180.87             | 32°13'52.755"N | 103°52'15.728"W | 1.16             |             |
| 15147.00                     | 89.500             | 133.400        | 7650.42     | 7925.63           | -5566.19      | 5642.09      | 643018.20            | 448113.77             | 32°13'52.088"N | 103°52'14.933"W | 1.98             |             |
| 15242.00                     | 89.500             | 136.200        | 7651.25     | 8020.62           | -5633.12      | 5709.49      | 643085.59            | 448046.84             | 32°13'51.423"N | 103°52'14.151"W | 2.95             |             |
| 15337.00                     | 89.500             | 138.300        | 7652.08     | 8115.50           | -5702.87      | 5773.97      | 643150.07            | 447977.09             | 32°13'50.730"N | 103°52'13.404"W | 2.21             |             |
| 15432.00                     | 89.500             | 138.200        | 7652.91     | 8210.30           | -5773.75      | 5837.23      | 643213.32            | 447906.23             | 32°13'50.026"N | 103°52'12.671"W | 0.11             |             |
| 15527.00                     | 89.500             | 137.200        | 7653.73     | 8305.16           | -5844.01      | 5901.16      | 643277.25            | 447835.97             | 32°13'49.328"N | 103°52'11.931"W | 1.05             |             |
| 15622.00                     | 89.600             | 135.500        | 7654.48     | 8400.10           | -5912.74      | 5966.73      | 643342.81            | 447767.24             | 32°13'48.645"N | 103°52'11.171"W | 1.79             |             |
| 15717.00                     | 89.500             | 136.700        | 7655.23     | 8495.07           | -5981.19      | 6032.60      | 643408.68            | 447698.80             | 32°13'47.964"N | 103°52'10.407"W | 1.27             |             |
| 15813.00                     | 90.000             | 136.300        | 7655.65     | 8591.01           | -6050.83      | 6098.68      | 643474.76            | 447629.17             | 32°13'47.273"N | 103°52'09.642"W | 0.67             |             |
| 15908.00                     | 90.000             | 132.200        | 7655.65     | 8685.99           | -6117.10      | 6166.71      | 643542.78            | 447562.89             | 32°13'46.614"N | 103°52'08.853"W | 4.32             |             |
| 16003.00                     | 90.000             | 129.900        | 7655.65     | 8780.80           | -6179.49      | 6238.35      | 643614.42            | 447500.51             | 32°13'45.993"N | 103°52'08.022"W | 2.42             |             |
| 16098.00                     | 90.100             | 128.200        | 7655.56     | 8875.36           | -6239.33      | 6312.13      | 643688.19            | 447440.67             | 32°13'45.398"N | 103°52'07.166"W | 1.79             |             |
| 16193.00                     | 90.100             | 128.200        | 7655.40     | 8969.77           | -6298.08      | 6386.78      | 643762.84            | 447381.93             | 32°13'44.814"N | 103°52'06.300"W | 0.00             |             |
| 16288.00                     | 89.400             | 130.000        | 7655.81     | 9064.33           | -6357.99      | 6460.50      | 643836.55            | 447322.02             | 32°13'44.218"N | 103°52'05.445"W | 2.03             |             |
| 16383.00                     | 89.500             | 128.600        | 7656.72     | 9158.93           | -6418.16      | 6534.01      | 643910.06            | 447261.86             | 32°13'43.619"N | 103°52'04.592"W | 1.48             |             |
| 16479.00                     | 89.500             | 131.500        | 7657.56     | 9254.61           | -6479.92      | 6607.49      | 643983.53            | 447200.10             | 32°13'43.005"N | 103°52'03.740"W | 3.02             |             |
| 16574.00                     | 89.500             | 136.500        | 7658.39     | 9349.57           | -6545.89      | 6675.80      | 644051.84            | 447134.14             | 32°13'42.349"N | 103°52'02.948"W | 5.26             |             |
| 16669.00                     | 89.500             | 136.800        | 7659.22     | 9444.51           | -6614.97      | 6741.01      | 644117.04            | 447065.06             | 32°13'41.663"N | 103°52'02.193"W | 0.32             |             |
| 16742.00                     | 89.500             | 136.800        | 7659.86     | 9517.45           | -6668.18      | 6790.98      | 644167.01            | 447011.85             | 32°13'41.134"N | 103°52'01.614"W | 0.00             | Proj to Bit |



# Actual Wellpath Report

No.320H AWP

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| REFERENCE WELLPATH IDENTIFICATION |                          |          |             |
|-----------------------------------|--------------------------|----------|-------------|
| Operator                          | BOPCO, L.P.              | Slot     | No.320H SHL |
| Area                              | Eddy County, NM          | Well     | No.320H     |
| Field                             | Poker Lake Unit          | Wellbore | No.320H AWB |
| Facility                          | Poker Lake Unit No. 320H |          |             |

| TARGETS              |            |             |               |              |                      |                       |                |                 |       |
|----------------------|------------|-------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|-------|
| Name                 | MD<br>[ft] | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | Shape |
| No.320H Target #1    |            | 7525.00     | -1666.70      | 1691.97      | 639068.36            | 452012.98             | 32°14'30.840"N | 103°53'00.727"W | point |
| No.320H PBHL         |            | 7659.46     | -6671.91      | 6772.64      | 644148.67            | 447008.13             | 32°13'41.098"N | 103°52'01.827"W | point |
| No.320H PBHL (Rev-1) |            | 7660.00     | -6824.68      | 6928.16      | 644304.17            | 446855.36             | 32°13'39.579"N | 103°52'00.025"W | point |

| WELLPATH COMPOSITION - Ref Wellbore: No.320H AWB |                |                               |  |                                 | Ref Wellpath: No.320H AWP |             |
|--------------------------------------------------|----------------|-------------------------------|--|---------------------------------|---------------------------|-------------|
| Start MD<br>[ft]                                 | End MD<br>[ft] | Positional Uncertainty Model  |  | Log Name/Comment                |                           | Wellbore    |
| 0.00                                             | 12317.00       | ISCWSA MWD, Rev. 2 (Standard) |  | Weatherford MWD <692-12317>     |                           | No.320H AWB |
| 12317.00                                         | 16669.00       | NaviTrak (Standard)           |  | BHI / Navitrak MWD <12401-xxxx> |                           | No.320H AWB |
| 16669.00                                         | 16742.00       | Blind Drilling (std)          |  | Projection to bit               |                           | No.320H AWB |