



**Mewbourne Oil Company**

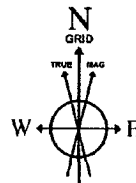
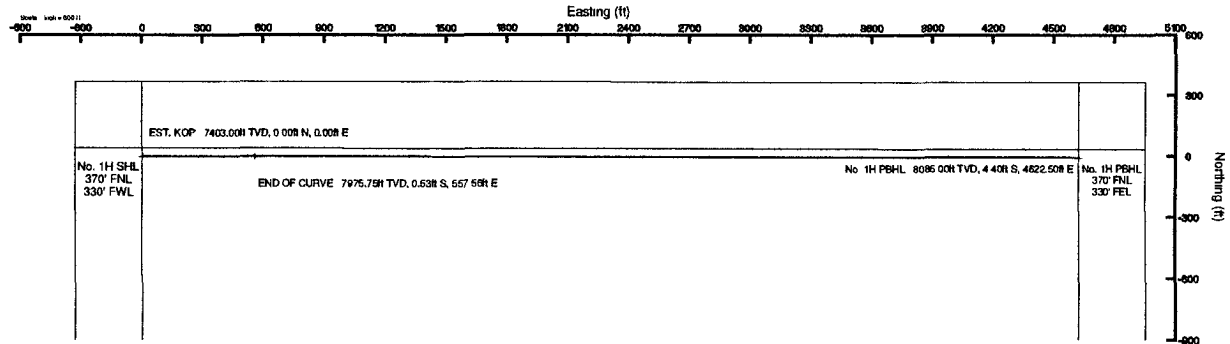
## Mewbourne Oil Company

Location Eddy County, NM  
Field (Zircon) Sec 11, T19S, R29E  
Facility Zircon 11 State Com No. 1H

Slot No. 1H SHL  
Well No. 1H  
Wellbore No. 1H PWB

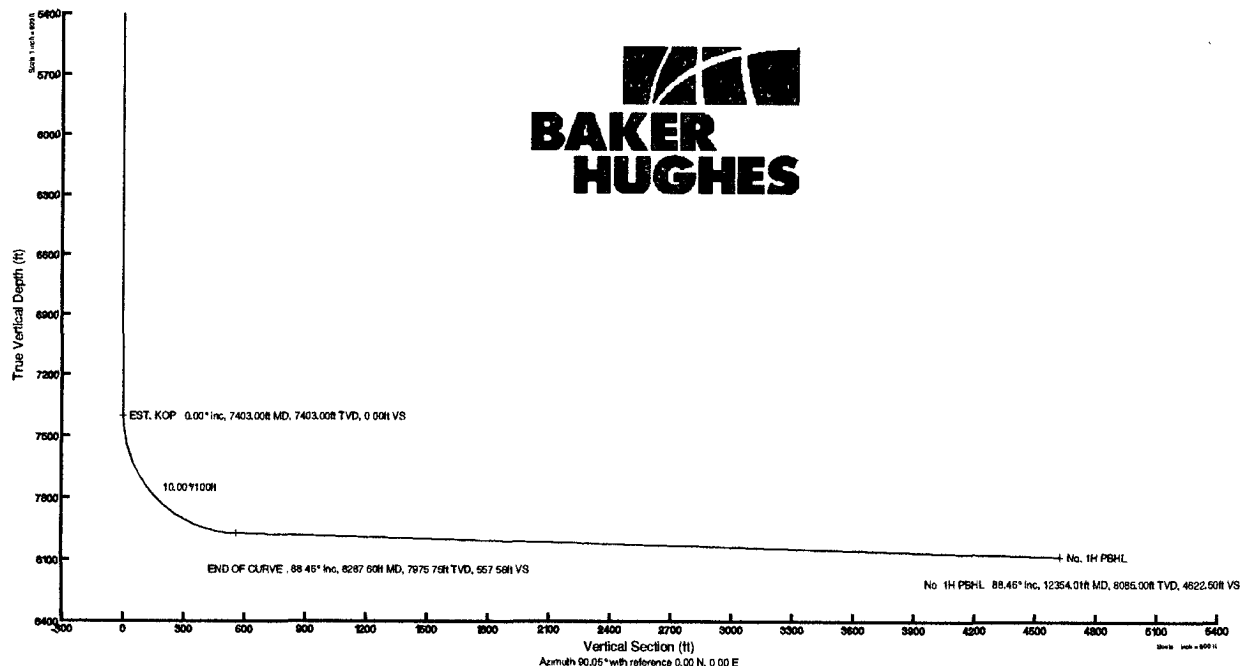
### Well Profile Data

| Design Comment | MD (ft)  | Inc (°) | Az (°) | TVD (ft) | Local N (ft) | Local E (ft) | DLS (°/100ft) | VS (ft) |
|----------------|----------|---------|--------|----------|--------------|--------------|---------------|---------|
| Tie On         | 0.00     | 0.000   | 90.055 | 0.00     | 0.00         | 0.00         | 0.00          | 0.00    |
| EST. KOP       | 7403.00  | 0.000   | 90.055 | 7403.00  | 0.00         | 0.00         | 0.00          | 0.00    |
| END OF CURVE   | 8287.60  | 88.460  | 90.055 | 7975.75  | -0.53        | 557.56       | 10.00         | 557.56  |
| No. 1H PBHL    | 12354.01 | 88.460  | 90.055 | 8085.00  | -4.40        | 4622.50      | 0.00          | 4622.50 |



BGGM (1945.0 to 2011.0) Dip: 60.57° Field: 49012.8 nT  
Magnetic North is 8.02 degrees East of True North (at 4/30/2010)  
Grid North is 0.15 degrees East of True North  
To correct azimuth from True to Grid subtract 0.15 degrees  
To correct azimuth from Magnetic to Grid add 7.87 degrees  
For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.87 = 97.87

|                                                                               |                                                                               |
|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Plot reference wellpath is Plan #1                                            |                                                                               |
| True vertical depths are referenced to Rig on No. 1H SHL (KB)                 | Grid System: NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet |
| Measured depths are referenced to Rig on No. 1H SHL (KB)                      | North Reference: Grid north                                                   |
| Rig on No. 1H SHL (KB) to Mean Sea Level: 3395 feet                           | Scale: True distance                                                          |
| Mean Sea Level to Mud line (Facility: Zircon 11 State Com No. 1H): -3377 feet | Depths are in feet                                                            |
| Coordinates are in feet referenced to Slot                                    | Created by: Victor Hernandez on 4/30/2010                                     |



**BAKER  
HUGHES**

# Planned Wellpath Report

 Mewbourne Oil Company

Plan #1  
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## REFERENCE WELLPATH IDENTIFICATION

|          |                             |          |            |
|----------|-----------------------------|----------|------------|
| Operator | Mewbourne Oil Company       | Slot     | No. 1H SHL |
| Area     | Eddy County, NM             | Well     | No. 1H     |
| Field    | (Zircon) Sec 11, T19S, R29E | Wellbore | No. 1H PWB |
| Facility | Zircon 11 State Com No. 1H  |          |            |

## REPORT SETUP INFORMATION

|                     |                                                                  |                      |                           |
|---------------------|------------------------------------------------------------------|----------------------|---------------------------|
| Projection System   | NAD27 / TM New Mexico State Planes, Eastern Zone (3001), US feet | Software System      | WellArchitect® 2.0        |
| North Reference     | Grid                                                             | User                 | Victor Hernandez          |
| Scale               | 0.999918                                                         | Report Generated     | 4/30/2010 at 11:07:49 AM  |
| Convergence at slot | 0.15° East                                                       | Database/Source file | WA_Midland/No. 1H_PWB.xml |

## WELLPATH LOCATION

|                       | Local coordinates |          | Grid coordinates |                | Geographic coordinates |                 |
|-----------------------|-------------------|----------|------------------|----------------|------------------------|-----------------|
|                       | North[ft]         | East[ft] | Easting[USft]    | Northing[USft] | Latitude               | Longitude       |
| Slot Location         | 0.00              | 0.00     | 586400.74        | 611668.59      | 32°40'52.544"N         | 104°03'09.075"W |
| Facility Reference Pt |                   |          | 586400.74        | 611668.59      | 32°40'52.544"N         | 104°03'09.075"W |
| Field Reference Pt    |                   |          | 586400.74        | 611668.59      | 32°40'52.544"N         | 104°03'09.075"W |

## WELLPATH DATUM

|                          |                        |                                          |                   |
|--------------------------|------------------------|------------------------------------------|-------------------|
| Calculation method       | Minimum curvature      | Rig on No. 1H SHL (KB) to Ground Level   | 18.00ft           |
| Horizontal Reference Pt  | Slot                   | Rig on No. 1H SHL (KB) to Mean Sea Level | 3395.00ft         |
| Vertical Reference Pt    | Rig on No. 1H SHL (KB) | Ground Level to Mud Line (Facility)      | 0.00ft            |
| MD Reference Pt          | Rig on No. 1H SHL (KB) | Section Origin                           | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level         | Section Azimuth                          | 90.05°            |

# Planned Wellpath Report

Mewbourne Oil Company

Plan #1  
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| REFERENCE WELLPATH IDENTIFICATION |                             |          |            |
|-----------------------------------|-----------------------------|----------|------------|
| Operator                          | Mewbourne Oil Company       | Slot     | No. 1H SHL |
| Area                              | Eddy County, NM             | Well     | No. 1H     |
| Field                             | (Zircon) Sec 11, T19S, R29E | Wellbore | No. 1H PWB |
| Facility                          | Zircon 11 State Com No. 1H  |          |            |

| WELLPATH DATA (53 stations) † = interpolated/extrapolated station |                    |                |             |                   |               |              |                       |                        |                |                 |                  |              |
|-------------------------------------------------------------------|--------------------|----------------|-------------|-------------------|---------------|--------------|-----------------------|------------------------|----------------|-----------------|------------------|--------------|
| MD<br>[ft]                                                        | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[srv ft] | Grid North<br>[srv ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments     |
| 0.00                                                              | 0.000              | 90.055         | 0.00        | 0.00              | 0.00          | 0.00         | 586400.74             | 611668.59              | 32°40'52.544"N | 104°03'09.075"W | 0.00             | Tie On       |
| 7403.00                                                           | 0.000              | 90.055         | 7403.00     | 0.00              | 0.00          | 0.00         | 586400.74             | 611668.59              | 32°40'52.544"N | 104°03'09.075"W | 0.00             | EST. KOP     |
| 7503.00†                                                          | 10.000             | 90.055         | 7502.49     | 8.70              | -0.01         | 8.70         | 586409.44             | 611668.58              | 32°40'52.544"N | 104°03'08.973"W | 10.00            |              |
| 7603.00†                                                          | 20.000             | 90.055         | 7598.96     | 34.55             | -0.03         | 34.55        | 586435.29             | 611668.56              | 32°40'52.543"N | 104°03'08.671"W | 10.00            |              |
| 7703.00†                                                          | 30.000             | 90.055         | 7689.48     | 76.76             | -0.07         | 76.76        | 586477.50             | 611668.52              | 32°40'52.541"N | 104°03'08.177"W | 10.00            |              |
| 7803.00†                                                          | 40.000             | 90.055         | 7771.29     | 134.05            | -0.13         | 134.05       | 586534.78             | 611668.46              | 32°40'52.539"N | 104°03'07.507"W | 10.00            |              |
| 7903.00†                                                          | 50.000             | 90.055         | 7841.91     | 204.67            | -0.19         | 204.67       | 586605.39             | 611668.40              | 32°40'52.537"N | 104°03'06.681"W | 10.00            |              |
| 8003.00†                                                          | 60.000             | 90.055         | 7899.20     | 286.48            | -0.27         | 286.48       | 586687.19             | 611668.32              | 32°40'52.534"N | 104°03'05.724"W | 10.00            |              |
| 8103.00†                                                          | 70.000             | 90.055         | 7941.40     | 376.99            | -0.36         | 376.99       | 586777.70             | 611668.23              | 32°40'52.530"N | 104°03'04.665"W | 10.00            |              |
| 8203.00†                                                          | 80.000             | 90.055         | 7967.25     | 473.46            | -0.45         | 473.46       | 586874.16             | 611668.14              | 32°40'52.527"N | 104°03'03.536"W | 10.00            |              |
| 8287.60                                                           | 88.460             | 90.055         | 7975.75     | 557.56            | -0.53         | 557.56       | 586958.26             | 611668.06              | 32°40'52.524"N | 104°03'02.552"W | 10.00            | END OF CURVE |
| 8303.00†                                                          | 88.460             | 90.055         | 7976.16     | 572.95            | -0.55         | 572.95       | 586973.65             | 611668.04              | 32°40'52.523"N | 104°03'02.372"W | 0.00             |              |
| 8403.00†                                                          | 88.460             | 90.055         | 7978.85     | 672.92            | -0.64         | 672.92       | 587073.60             | 611667.95              | 32°40'52.520"N | 104°03'01.203"W | 0.00             |              |
| 8503.00†                                                          | 88.460             | 90.055         | 7981.54     | 772.88            | -0.74         | 772.88       | 587173.56             | 611667.85              | 32°40'52.516"N | 104°03'00.033"W | 0.00             |              |
| 8603.00†                                                          | 88.460             | 90.055         | 7984.22     | 872.85            | -0.83         | 872.85       | 587273.51             | 611667.76              | 32°40'52.513"N | 104°02'58.864"W | 0.00             |              |
| 8703.00†                                                          | 88.460             | 90.055         | 7986.91     | 972.81            | -0.93         | 972.81       | 587373.47             | 611667.66              | 32°40'52.509"N | 104°02'57.694"W | 0.00             |              |
| 8803.00†                                                          | 88.460             | 90.055         | 7989.60     | 1072.77           | -1.02         | 1072.77      | 587473.42             | 611667.57              | 32°40'52.506"N | 104°02'56.525"W | 0.00             |              |
| 8903.00†                                                          | 88.460             | 90.055         | 7992.28     | 1172.74           | -1.12         | 1172.74      | 587573.38             | 611667.47              | 32°40'52.502"N | 104°02'55.355"W | 0.00             |              |
| 9003.00†                                                          | 88.460             | 90.055         | 7994.97     | 1272.70           | -1.21         | 1272.70      | 587673.33             | 611667.38              | 32°40'52.498"N | 104°02'54.186"W | 0.00             |              |
| 9103.00†                                                          | 88.460             | 90.055         | 7997.66     | 1372.67           | -1.31         | 1372.66      | 587773.29             | 611667.28              | 32°40'52.495"N | 104°02'53.016"W | 0.00             |              |
| 9203.00†                                                          | 88.460             | 90.055         | 8000.34     | 1472.63           | -1.40         | 1472.63      | 587873.24             | 611667.19              | 32°40'52.491"N | 104°02'51.847"W | 0.00             |              |
| 9303.00†                                                          | 88.460             | 90.055         | 8003.03     | 1572.59           | -1.50         | 1572.59      | 587973.20             | 611667.09              | 32°40'52.488"N | 104°02'50.677"W | 0.00             |              |
| 9403.00†                                                          | 88.460             | 90.055         | 8005.72     | 1672.56           | -1.59         | 1672.56      | 588073.16             | 611667.00              | 32°40'52.484"N | 104°02'49.508"W | 0.00             |              |
| 9503.00†                                                          | 88.460             | 90.055         | 8008.40     | 1772.52           | -1.69         | 1772.52      | 588173.11             | 611666.90              | 32°40'52.480"N | 104°02'48.338"W | 0.00             |              |
| 9603.00†                                                          | 88.460             | 90.055         | 8011.09     | 1872.48           | -1.78         | 1872.48      | 588273.07             | 611666.81              | 32°40'52.477"N | 104°02'47.169"W | 0.00             |              |
| 9703.00†                                                          | 88.460             | 90.055         | 8013.78     | 1972.45           | -1.88         | 1972.45      | 588373.02             | 611666.71              | 32°40'52.473"N | 104°02'45.999"W | 0.00             |              |
| 9803.00†                                                          | 88.460             | 90.055         | 8016.46     | 2072.41           | -1.97         | 2072.41      | 588472.98             | 611666.62              | 32°40'52.469"N | 104°02'44.830"W | 0.00             |              |
| 9903.00†                                                          | 88.460             | 90.055         | 8019.15     | 2172.38           | -2.07         | 2172.38      | 588572.93             | 611666.52              | 32°40'52.466"N | 104°02'43.660"W | 0.00             |              |
| 10003.00†                                                         | 88.460             | 90.055         | 8021.84     | 2272.34           | -2.16         | 2272.34      | 588672.89             | 611666.43              | 32°40'52.462"N | 104°02'42.491"W | 0.00             |              |
| 10103.00†                                                         | 88.460             | 90.055         | 8024.52     | 2372.30           | -2.26         | 2372.30      | 588772.84             | 611666.33              | 32°40'52.459"N | 104°02'41.321"W | 0.00             |              |

# Planned Wellpath Report

Mewbourne Oil Company

Plan #1  
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## REFERENCE WELLPATH IDENTIFICATION

|          |                             |          |            |
|----------|-----------------------------|----------|------------|
| Operator | Mewbourne Oil Company       | Slot     | No. 1H SHL |
| Area     | Eddy County, NM             | Well     | No. 1H     |
| Field    | (Zircon) Sec 11, T19S, R29E | Wellbore | No. 1H PWB |
| Facility | Zircon 11 State Com No. 1H  |          |            |

## WELLPATH DATA (53 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft]          | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[srv ft] | Grid North<br>[srv ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments    |
|------------|--------------------|----------------|----------------------|-------------------|---------------|--------------|-----------------------|------------------------|----------------|-----------------|------------------|-------------|
| 10203.00†  | 88.460             | 90.055         | 8027.21              | 2472.27           | -2.35         | 2472.27      | 588872.80             | 611666.24              | 32°40'52.455"N | 104°02'40.152"W | 0.00             |             |
| 10303.00†  | 88.460             | 90.055         | 8029.90              | 2572.23           | -2.45         | 2572.23      | 588972.75             | 611666.14              | 32°40'52.451"N | 104°02'38.982"W | 0.00             |             |
| 10403.00†  | 88.460             | 90.055         | 8032.58              | 2672.20           | -2.54         | 2672.19      | 589072.71             | 611666.05              | 32°40'52.448"N | 104°02'37.813"W | 0.00             |             |
| 10503.00†  | 88.460             | 90.055         | 8035.27              | 2772.16           | -2.64         | 2772.16      | 589172.66             | 611665.95              | 32°40'52.444"N | 104°02'36.643"W | 0.00             |             |
| 10603.00†  | 88.460             | 90.055         | 8037.96              | 2872.12           | -2.73         | 2872.12      | 589272.62             | 611665.86              | 32°40'52.440"N | 104°02'35.474"W | 0.00             |             |
| 10703.00†  | 88.460             | 90.055         | 8040.64              | 2972.09           | -2.83         | 2972.09      | 589372.58             | 611665.76              | 32°40'52.437"N | 104°02'34.304"W | 0.00             |             |
| 10803.00†  | 88.460             | 90.055         | 8043.33              | 3072.05           | -2.92         | 3072.05      | 589472.53             | 611665.67              | 32°40'52.433"N | 104°02'33.135"W | 0.00             |             |
| 10903.00†  | 88.460             | 90.055         | 8046.02              | 3172.02           | -3.02         | 3172.01      | 589572.49             | 611665.57              | 32°40'52.429"N | 104°02'31.965"W | 0.00             |             |
| 11003.00†  | 88.460             | 90.055         | 8048.70              | 3271.98           | -3.11         | 3271.98      | 589672.44             | 611665.48              | 32°40'52.426"N | 104°02'30.796"W | 0.00             |             |
| 11103.00†  | 88.460             | 90.055         | 8051.39              | 3371.94           | -3.21         | 3371.94      | 589772.40             | 611665.38              | 32°40'52.422"N | 104°02'29.626"W | 0.00             |             |
| 11203.00†  | 88.460             | 90.055         | 8054.08              | 3471.91           | -3.31         | 3471.91      | 589872.35             | 611665.29              | 32°40'52.418"N | 104°02'28.457"W | 0.00             |             |
| 11303.00†  | 88.460             | 90.055         | 8056.76              | 3571.87           | -3.40         | 3571.87      | 589972.31             | 611665.19              | 32°40'52.415"N | 104°02'27.287"W | 0.00             |             |
| 11403.00†  | 88.460             | 90.055         | 8059.45              | 3671.84           | -3.50         | 3671.83      | 590072.26             | 611665.09              | 32°40'52.411"N | 104°02'26.118"W | 0.00             |             |
| 11503.00†  | 88.460             | 90.055         | 8062.14              | 3771.80           | -3.59         | 3771.80      | 590172.22             | 611665.00              | 32°40'52.407"N | 104°02'24.948"W | 0.00             |             |
| 11603.00†  | 88.460             | 90.055         | 8064.82              | 3871.76           | -3.69         | 3871.76      | 590272.17             | 611664.90              | 32°40'52.404"N | 104°02'23.779"W | 0.00             |             |
| 11703.00†  | 88.460             | 90.055         | 8067.51              | 3971.73           | -3.78         | 3971.73      | 590372.13             | 611664.81              | 32°40'52.400"N | 104°02'22.609"W | 0.00             |             |
| 11803.00†  | 88.460             | 90.055         | 8070.20              | 4071.69           | -3.88         | 4071.69      | 590472.09             | 611664.71              | 32°40'52.396"N | 104°02'21.439"W | 0.00             |             |
| 11903.00†  | 88.460             | 90.055         | 8072.88              | 4171.65           | -3.97         | 4171.65      | 590572.04             | 611664.62              | 32°40'52.393"N | 104°02'20.270"W | 0.00             |             |
| 12003.00†  | 88.460             | 90.055         | 8075.57              | 4271.62           | -4.07         | 4271.62      | 590672.00             | 611664.52              | 32°40'52.389"N | 104°02'19.100"W | 0.00             |             |
| 12103.00†  | 88.460             | 90.055         | 8078.26              | 4371.58           | -4.16         | 4371.58      | 590771.95             | 611664.43              | 32°40'52.385"N | 104°02'17.931"W | 0.00             |             |
| 12203.00†  | 88.460             | 90.055         | 8080.94              | 4471.55           | -4.26         | 4471.54      | 590871.91             | 611664.33              | 32°40'52.382"N | 104°02'16.761"W | 0.00             |             |
| 12303.00†  | 88.460             | 90.055         | 8083.63              | 4571.51           | -4.35         | 4571.51      | 590971.86             | 611664.24              | 32°40'52.378"N | 104°02'15.592"W | 0.00             |             |
| 12354.01   | 88.460             | 90.055         | 8085.00 <sup>1</sup> | 4622.50           | -4.40         | 4622.50      | 591022.85             | 611664.19              | 32°40'52.376"N | 104°02'14.995"W | 0.00             | No. 1H PBHL |

## Planned Wellpath Report

Plan #1  
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## REFERENCE WELLPATH IDENTIFICATION

|          |                             |          |            |
|----------|-----------------------------|----------|------------|
| Operator | Mewbourne Oil Company       | Slot     | No. 1H SHL |
| Area     | Eddy County, NM             | Well     | No. 1H     |
| Field    | (Zircon) Sec 11, T19S, R29E | Wellbore | No. 1H PWB |
| Facility | Zircon 11 State Com No. 1H  |          |            |

## TARGETS

| Name           | MD<br>[ft] | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[srv ft] | Grid North<br>[srv ft] | Latitude       | Longitude       | Shape |
|----------------|------------|-------------|---------------|--------------|-----------------------|------------------------|----------------|-----------------|-------|
| 1) No. 1H PBHL | 12354.01   | 8085.00     | -4.40         | 4622.50      | 591022.85             | 611664.19              | 32°40'52.376"N | 104°02'14.995"W | point |

## SURVEY PROGRAM Ref Wellbore: No. 1H PWB Ref Wellpath: Plan #1

| Start MD<br>[ft] | End MD<br>[ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore   |
|------------------|----------------|------------------------------|------------------|------------|
| 18.00            | 12354.01       | NaviTrak (Standard)          |                  | No. 1H PWB |