

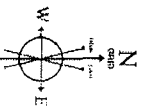
# Mewbourne Oil Company

Location: Eddy County, NM  
Field: (Burton) Sec 4, T20S, R29E  
Facility: Burton 4 Fed Com No. 3H

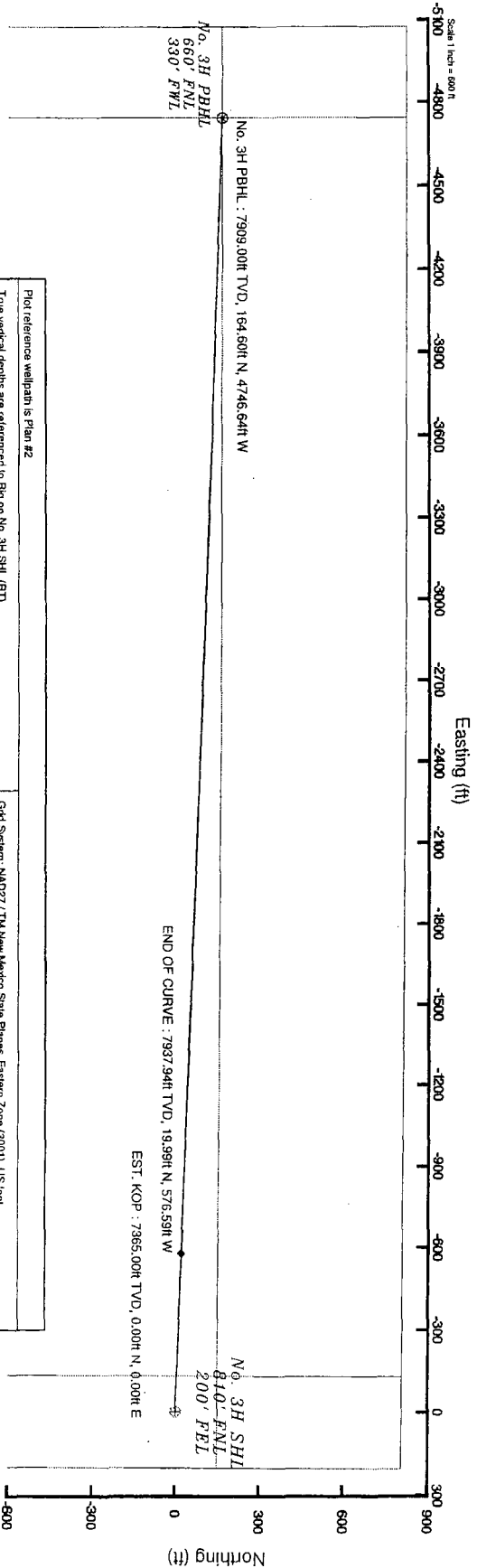
Well: No. 3H SHL  
Wellbore: No. 3H PWB

## Well Profile Data

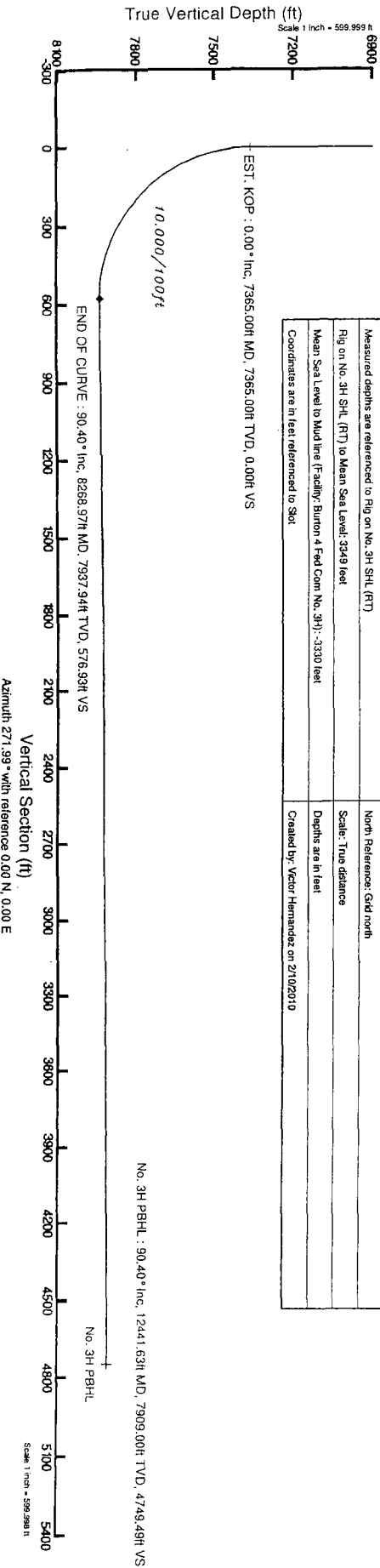
| Design Comment | MD (ft)  | Inc (°) | Az (°)  | TVD (ft) | Local N (ft) | Local E (ft) | DLS (%100ft) | VS (ft) |
|----------------|----------|---------|---------|----------|--------------|--------------|--------------|---------|
| Tie On         | 0.00     | 0.000   | 271.986 | 0.00     | 0.00         | 0.00         | 0.00         | 0.00    |
| EST. KOP       | 7365.00  | 0.000   | 271.986 | 7365.00  | 0.00         | 0.00         | 0.00         | 0.00    |
| END OF CURVE   | 8268.97  | 90.397  | 271.986 | 7937.94  | 19.99        | -576.59      | 10.00        | 576.93  |
| No. 3H PBHL    | 12441.63 | 90.397  | 271.986 | 7909.00  | 164.60       | -4746.64     | 0.00         | 4749.49 |



BDGM 1346.5 is 2011.01 Dip 69.57° Field 4495.2 at  
Magnetic North is 3.05 degrees East of True North  
Grid North is 0.14 degrees East of True North  
To correct azimuth from Magnetic to Grid add 3.21 degrees  
To correct azimuth from Grid to True subtract 3.21 degrees  
For example: if the Magnetic North Azimuth = 90°, then the Grid North Azimuth = 90° + 3.21 = 93.21



|                                                                            |                                                                                |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Plot reference wellbore is Plan #2                                         |                                                                                |
| True vertical depths are referenced to Rig on No. 3H SHL (RT)              | Grid System: NAD27 / TTM New Mexico State Planes, Eastern Zone (3001), US feet |
| Measured depths are referenced to Rig on No. 3H SHL (RT)                   | North Reference: Grid north                                                    |
| Rig on No. 3H SHL (RT) to Mean Sea Level: 3349 feet                        | Scale: True distance                                                           |
| Mean Sea Level to Mud line (Facility: Burton 4 Fed Com No. 3H): -3320 feet | Depths are in feet                                                             |
| Coordinates are in feet referenced to Spot                                 | Created by: Victor Hernandez on 2/10/2010                                      |



# Planned Wellpath Report

Plan #2  
Page 1 of 4

## REFERENCE WELLPATH IDENTIFICATION

|          |                            |          |            |
|----------|----------------------------|----------|------------|
| Operator | Mewbourne Oil Company      | Slot     | No. 3H SHL |
| Area     | Eddy County, NM            | Well     | No. 3H     |
| Field    | (Burton) Sec 4, T20S, R29E | Wellbore | No. 3H PWB |
| Facility | Burton 4 Fed Com No. 3H    |          |            |

## REPORT SETUP INFORMATION

|                     |                                                                   |                      |                           |
|---------------------|-------------------------------------------------------------------|----------------------|---------------------------|
| Projection System   | NAD27 / TTM New Mexico State Planes, Eastern Zone (3001), US feet | Software System      | WellArchitect@ 2.0        |
| North Reference     | Grid                                                              | User                 | Victor Hernandez          |
| Scale               | 0.999917                                                          | Report Generated     | 2/10/2010 at 1:18:20 PM   |
| Convergence at slot | 0.14° East                                                        | Database/Source file | WA_Midland/No. 3H_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     | 580595.10        | 584865.21      | 32°36'27.455"N         | 104°04'17.776"W |
| Facility Reference Pt |                   |          | 580595.10        | 584865.21      | 32°36'27.455"N         | 104°04'17.776"W |
| Field Reference Pt    |                   |          | 580595.10        | 584865.21      | 32°36'27.455"N         | 104°04'17.776"W |

## WELLPATH DATUM

|                          |                        |                                          |                   |
|--------------------------|------------------------|------------------------------------------|-------------------|
| Calculation method       | Minimum curvature      | Rig on No. 3H SHL (RT) to GL             | 19.00ft           |
| Horizontal Reference Pt  | Slot                   | Rig on No. 3H SHL (RT) to Mean Sea Level | 3349.00ft         |
| Vertical Reference Pt    | Rig on No. 3H SHL (RT) | GL to Mud Line (Facility)                | 0.00ft            |
| MD Reference Pt          | Rig on No. 3H SHL (RT) | Section Origin                           | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level         | Section Azimuth                          | 271.99°           |

# Planned Wellpath Report

 Plan #2  
 Page 2 of 4

## REFERENCE WELLPATH IDENTIFICATION

|          |                            |          |            |
|----------|----------------------------|----------|------------|
| Operator | Mewbourne Oil Company      | Slot     | No. 3H SHL |
| Area     | Eddy County, NM            | Well     | No. 3H     |
| Field    | (Burton) Sec 4, T20S, R29E | Wellbore | No. 3H PWB |
| Facility | Burton 4 Fed Com No. 3H    |          |            |

| WELLPATH DATA (54 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>[serv ft] | Grid North<br>[serv ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments     |
| 0.00                                                              | 0.000              | 271.986        | 0.00        | 0.00              | 0.00          | 0.00         | 580595.10              | 584865.21               | 32°36'27.455"N | 104°04'17.776"W | 0.00             | The On       |
| 7365.00                                                           | 0.000              | 271.986        | 7365.00     | 0.00              | 0.00          | 0.00         | 580595.10              | 584865.21               | 32°36'27.455"N | 104°04'17.776"W | 0.00             | EST KOP      |
| 7465.00†                                                          | 10.000             | 271.986        | 7464.49     | 8.70              | 0.30          | -8.70        | 580586.40              | 584865.51               | 32°36'27.458"N | 104°04'17.878"W | 10.00            |              |
| 7565.00†                                                          | 20.000             | 271.986        | 7560.96     | 34.55             | 1.20          | -34.53       | 580560.57              | 584866.41               | 32°36'27.468"N | 104°04'18.179"W | 10.00            |              |
| 7665.00†                                                          | 30.000             | 271.986        | 7651.48     | 76.76             | 2.66          | -76.72       | 580518.39              | 584867.87               | 32°36'27.483"N | 104°04'18.673"W | 10.00            |              |
| 7765.00†                                                          | 40.000             | 271.986        | 7733.29     | 134.05            | 4.65          | -133.97      | 580461.15              | 584869.86               | 32°36'27.504"N | 104°04'19.342"W | 10.00            |              |
| 7865.00†                                                          | 50.000             | 271.986        | 7803.91     | 204.67            | 7.09          | -204.54      | 580390.57              | 584872.30               | 32°36'27.530"N | 104°04'20.167"W | 10.00            |              |
| 7965.00†                                                          | 60.000             | 271.986        | 7861.20     | 286.48            | 9.93          | -286.31      | 580308.82              | 584875.14               | 32°36'27.560"N | 104°04'21.122"W | 10.00            |              |
| 8065.00†                                                          | 70.000             | 271.986        | 7903.40     | 376.99            | 13.07         | -376.77      | 580218.36              | 584878.27               | 32°36'27.593"N | 104°04'22.180"W | 10.00            |              |
| 8165.00†                                                          | 80.000             | 271.986        | 7929.25     | 473.46            | 16.41         | -473.18      | 580121.96              | 584881.62               | 32°36'27.629"N | 104°04'23.307"W | 10.00            |              |
| 8265.00†                                                          | 90.000             | 271.986        | 7937.96     | 572.96            | 19.86         | -572.61      | 580022.54              | 584885.07               | 32°36'27.665"N | 104°04'24.469"W | 10.00            |              |
| 8268.97                                                           | 90.397             | 271.986        | 7937.94     | 576.93            | 19.99         | -576.59      | 580018.56              | 584885.20               | 32°36'27.667"N | 104°04'24.515"W | 10.00            | END OF CURVE |
| 8365.00†                                                          | 90.397             | 271.986        | 7937.28     | 672.96            | 23.32         | -672.55      | 579922.61              | 584888.53               | 32°36'27.702"N | 104°04'25.637"W | 0.00             |              |
| 8465.00†                                                          | 90.397             | 271.986        | 7936.58     | 772.95            | 26.79         | -772.49      | 579822.68              | 584892.00               | 32°36'27.739"N | 104°04'26.805"W | 0.00             |              |
| 8565.00†                                                          | 90.397             | 271.986        | 7935.89     | 872.95            | 30.25         | -872.43      | 579722.75              | 584895.46               | 32°36'27.776"N | 104°04'27.973"W | 0.00             |              |
| 8665.00†                                                          | 90.397             | 271.986        | 7935.20     | 972.95            | 33.72         | -972.36      | 579622.82              | 584898.93               | 32°36'27.812"N | 104°04'29.142"W | 0.00             |              |
| 8765.00†                                                          | 90.397             | 271.986        | 7934.50     | 1072.95           | 37.18         | -1072.30     | 579522.89              | 584902.39               | 32°36'27.849"N | 104°04'30.310"W | 0.00             |              |
| 8865.00†                                                          | 90.397             | 271.986        | 7933.81     | 1172.94           | 40.65         | -1172.24     | 579422.96              | 584905.86               | 32°36'27.886"N | 104°04'31.478"W | 0.00             |              |
| 8965.00†                                                          | 90.397             | 271.986        | 7933.12     | 1272.94           | 44.12         | -1272.18     | 579323.03              | 584909.32               | 32°36'27.922"N | 104°04'32.646"W | 0.00             |              |
| 9065.00†                                                          | 90.397             | 271.986        | 7932.42     | 1372.94           | 47.58         | -1372.11     | 579223.10              | 584912.79               | 32°36'27.959"N | 104°04'33.814"W | 0.00             |              |
| 9165.00†                                                          | 90.397             | 271.986        | 7931.73     | 1472.94           | 51.05         | -1472.05     | 579123.17              | 584916.25               | 32°36'27.996"N | 104°04'34.982"W | 0.00             |              |
| 9265.00†                                                          | 90.397             | 271.986        | 7931.03     | 1572.93           | 54.51         | -1571.99     | 579023.25              | 584919.72               | 32°36'28.032"N | 104°04'36.150"W | 0.00             |              |
| 9365.00†                                                          | 90.397             | 271.986        | 7930.34     | 1672.93           | 57.98         | -1671.93     | 578923.32              | 584923.18               | 32°36'28.069"N | 104°04'37.319"W | 0.00             |              |
| 9465.00†                                                          | 90.397             | 271.986        | 7929.65     | 1772.93           | 61.44         | -1771.86     | 578823.39              | 584926.65               | 32°36'28.106"N | 104°04'38.487"W | 0.00             |              |
| 9565.00†                                                          | 90.397             | 271.986        | 7928.95     | 1872.93           | 64.91         | -1871.80     | 578723.46              | 584930.11               | 32°36'28.142"N | 104°04'39.655"W | 0.00             |              |
| 9665.00†                                                          | 90.397             | 271.986        | 7928.26     | 1972.92           | 68.38         | -1971.74     | 578623.53              | 584933.58               | 32°36'28.179"N | 104°04'40.823"W | 0.00             |              |
| 9765.00†                                                          | 90.397             | 271.986        | 7927.57     | 2072.92           | 71.84         | -2071.68     | 578523.60              | 584937.04               | 32°36'28.216"N | 104°04'41.991"W | 0.00             |              |
| 9865.00†                                                          | 90.397             | 271.986        | 7926.87     | 2172.92           | 75.31         | -2171.61     | 578423.67              | 584940.51               | 32°36'28.252"N | 104°04'43.159"W | 0.00             |              |
| 9965.00†                                                          | 90.397             | 271.986        | 7926.18     | 2272.92           | 78.77         | -2271.55     | 578323.74              | 584943.98               | 32°36'28.289"N | 104°04'44.327"W | 0.00             |              |
| 10065.00†                                                         | 90.397             | 271.986        | 7925.49     | 2372.91           | 82.24         | -2371.49     | 578223.81              | 584947.44               | 32°36'28.326"N | 104°04'45.496"W | 0.00             |              |

## REFERENCE WELLPATH IDENTIFICATION

|          |                            |          |            |
|----------|----------------------------|----------|------------|
| Operator | Mewbourne Oil Company      | Slot     | No. 3H SHL |
| Area     | Eddy County, NM            | Well     | No. 3H     |
| Field    | (Burton) Sec 4, T20S, R29E | Wellbore | No. 3H PWB |
| Facility | Burton 4 Fed Com No. 3H    |          |            |

## WELLPATH DATA (54 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>[serv ft] | Grid North<br>[serv ft] | Latitude       | Longitude       | DLS<br>[°/100ft] | Comments   |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------------|-------------------------|----------------|-----------------|------------------|------------|
| 10165.00+  | 90.397             | 271.986        | 7924.79     | 2472.91           | 85.70         | -2471.43     | 578123.88              | 584950.91               | 32°36'28.362"N | 104°04'46.664"W | 0.00             |            |
| 10265.00+  | 90.397             | 271.986        | 7924.10     | 2572.91           | 89.17         | -2571.36     | 578023.96              | 584954.37               | 32°36'28.399"N | 104°04'47.832"W | 0.00             |            |
| 10365.00+  | 90.397             | 271.986        | 7923.40     | 2672.91           | 92.63         | -2671.30     | 577924.03              | 584957.84               | 32°36'28.436"N | 104°04'49.000"W | 0.00             |            |
| 10465.00+  | 90.397             | 271.986        | 7922.71     | 2772.90           | 96.10         | -2771.24     | 577824.10              | 584961.30               | 32°36'28.472"N | 104°04'50.168"W | 0.00             |            |
| 10565.00+  | 90.397             | 271.986        | 7922.02     | 2872.90           | 99.57         | -2871.18     | 577724.17              | 584964.77               | 32°36'28.509"N | 104°04'51.336"W | 0.00             |            |
| 10665.00+  | 90.397             | 271.986        | 7921.32     | 2972.90           | 103.03        | -2971.11     | 577624.24              | 584968.23               | 32°36'28.546"N | 104°04'52.505"W | 0.00             |            |
| 10765.00+  | 90.397             | 271.986        | 7920.63     | 3072.90           | 106.50        | -3071.05     | 577524.31              | 584971.70               | 32°36'28.582"N | 104°04'53.673"W | 0.00             |            |
| 10865.00+  | 90.397             | 271.986        | 7919.94     | 3172.90           | 109.96        | -3170.99     | 577424.38              | 584975.16               | 32°36'28.619"N | 104°04'54.841"W | 0.00             |            |
| 10965.00+  | 90.397             | 271.986        | 7919.24     | 3272.89           | 113.43        | -3270.93     | 577324.45              | 584978.63               | 32°36'28.655"N | 104°04'56.009"W | 0.00             |            |
| 11065.00+  | 90.397             | 271.986        | 7918.55     | 3372.89           | 116.89        | -3370.86     | 577224.52              | 584982.09               | 32°36'28.692"N | 104°04'57.177"W | 0.00             |            |
| 11165.00+  | 90.397             | 271.986        | 7917.86     | 3472.89           | 120.36        | -3470.80     | 577124.59              | 584985.56               | 32°36'28.729"N | 104°04'58.345"W | 0.00             |            |
| 11265.00+  | 90.397             | 271.986        | 7917.16     | 3572.89           | 123.82        | -3570.74     | 577024.67              | 584989.02               | 32°36'28.765"N | 104°04'59.513"W | 0.00             |            |
| 11365.00+  | 90.397             | 271.986        | 7916.47     | 3672.88           | 127.29        | -3670.68     | 576924.74              | 584992.49               | 32°36'28.802"N | 104°05'00.682"W | 0.00             |            |
| 11465.00+  | 90.397             | 271.986        | 7915.77     | 3772.88           | 130.76        | -3770.61     | 576824.81              | 584995.95               | 32°36'28.839"N | 104°05'01.850"W | 0.00             |            |
| 11565.00+  | 90.397             | 271.986        | 7915.08     | 3872.88           | 134.22        | -3870.55     | 576724.88              | 584999.42               | 32°36'28.875"N | 104°05'03.018"W | 0.00             |            |
| 11665.00+  | 90.397             | 271.986        | 7914.39     | 3972.88           | 137.69        | -3970.49     | 576624.95              | 585002.89               | 32°36'28.912"N | 104°05'04.186"W | 0.00             |            |
| 11765.00+  | 90.397             | 271.986        | 7913.69     | 4072.87           | 141.15        | -4070.43     | 576525.02              | 585006.35               | 32°36'28.948"N | 104°05'05.354"W | 0.00             |            |
| 11865.00+  | 90.397             | 271.986        | 7913.00     | 4172.87           | 144.62        | -4170.36     | 576425.09              | 585009.82               | 32°36'28.985"N | 104°05'06.522"W | 0.00             |            |
| 11965.00+  | 90.397             | 271.986        | 7912.31     | 4272.87           | 148.08        | -4270.30     | 576325.16              | 585013.28               | 32°36'29.022"N | 104°05'07.691"W | 0.00             |            |
| 12065.00+  | 90.397             | 271.986        | 7911.61     | 4372.87           | 151.55        | -4370.24     | 576225.23              | 585016.75               | 32°36'29.058"N | 104°05'08.859"W | 0.00             |            |
| 12165.00+  | 90.397             | 271.986        | 7910.92     | 4472.86           | 155.02        | -4470.18     | 576125.30              | 585020.21               | 32°36'29.095"N | 104°05'10.027"W | 0.00             |            |
| 12265.00+  | 90.397             | 271.986        | 7910.23     | 4572.86           | 158.48        | -4570.11     | 576025.38              | 585023.68               | 32°36'29.131"N | 104°05'11.195"W | 0.00             |            |
| 12365.00+  | 90.397             | 271.986        | 7909.53     | 4672.86           | 161.95        | -4670.05     | 575925.45              | 585027.14               | 32°36'29.168"N | 104°05'12.363"W | 0.00             |            |
| 12441.63   | 90.397             | 271.986        | 7909.00+    | 4749.49           | 164.60        | -4746.64     | 575848.87              | 585029.80               | 32°36'29.196"N | 104°05'13.258"W | 0.00             | No. 3H PWB |

# Planned Wellpath Report

Plan #2  
Page 4 of 4

## REFERENCE WELL PATH IDENTIFICATION

|          |                            |          |            |
|----------|----------------------------|----------|------------|
| Operator | Mewbourne Oil Company      | Slot     | No. 3H SHL |
| Area     | Eddy County, NM            | Well     | No. 3H     |
| Field    | (Burton) Sec 4, T20S, R29E | Wellbore | No. 3H PWB |
| Facility | Burton 4 Fed Com No. 3H    |          |            |

## 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. 3H PBHL | 12441.63   | 7909.00     | 164.60        | -4746.64     | 575848.87             | 585029.80              | 32°36'29.196"N | 104°05'13.258"W | point |

## SURVEY PROGRAM Ref Wellbore: No. 3H PWB

## Ref Wellpath: Plan #2

## Positional Uncertainty Model

| Start MD<br>[ft] | End MD<br>[ft] | Log Name/Comment    | Wellbore   |
|------------------|----------------|---------------------|------------|
| 19.00            | 12441.63       | NavITrak (Standard) | No. 3H PWB |