

# Mewbourne Oil Co

Eddy County, New Mexico

Sec 9-20S-25E

Gunsmoke 9 KL #1H

30-015-38402

Wellbore #1

Survey: MWD Survey

## DDC Survey Report

30 March, 2011



# DDC Survey Report



|                  |                         |                                     |                                        |
|------------------|-------------------------|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Gunsmoke 9 KL #1H                 |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3476.0usft (Patterson UTI #101) |
| <b>Site:</b>     | Sec 9-20S-25E           | <b>MD Reference:</b>                | WELL @ 3476.0usft (Patterson UTI #101) |
| <b>Well:</b>     | Gunsmoke 9 KL #1H       | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | Wellbore #1             | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | Wellbore #1             | <b>Database:</b>                    | EDM 5000 1 Single User Db              |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy County, New Mexico              |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|                              |               |                          |                   |
|------------------------------|---------------|--------------------------|-------------------|
| <b>Site</b>                  | Sec 9-20S-25E |                          |                   |
| <b>Site Position:</b>        |               | <b>Northing:</b>         | 579,246.53 usft   |
| <b>From:</b>                 | Map           | <b>Easting:</b>          | 452,285.51 usft   |
| <b>Position Uncertainty:</b> | 0.0 usft      | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |               | <b>Latitude:</b>         | 32° 35' 32.491 N  |
|                              |               | <b>Longitude:</b>        | 104° 29' 17.728 W |
|                              |               | <b>Grid Convergence:</b> | -0 08 °           |

|                             |                   |                            |                                  |
|-----------------------------|-------------------|----------------------------|----------------------------------|
| <b>Well</b>                 | Gunsmoke 9 KL #1H |                            |                                  |
| <b>Well Position</b>        | <b>+N/-S</b>      | 0.0 usft                   | <b>Northing:</b> 576,731.20 usft |
|                             | <b>+E/-W</b>      | 0.0 usft                   | <b>Easting:</b> 452,314.17 usft  |
| <b>Position Uncertainty</b> | 0.0 usft          | <b>Wellhead Elevation:</b> | usft                             |
|                             |                   | <b>Latitude:</b>           | 32° 35' 7.601 N                  |
|                             |                   | <b>Longitude:</b>          | 104° 29' 17.350 W                |
|                             |                   | <b>Ground Level:</b>       | 3,457.0 usft                     |

|                  |                   |                    |                            |
|------------------|-------------------|--------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b>     |
|                  | IGRF2010          | 3/17/2011          | 8.06                       |
|                  |                   |                    | <b>Dip Angle (°)</b>       |
|                  |                   |                    | 60.37                      |
|                  |                   |                    | <b>Field Strength (nT)</b> |
|                  |                   |                    | 48,754                     |

|                          |                                |                      |                      |
|--------------------------|--------------------------------|----------------------|----------------------|
| <b>Design</b>            | Wellbore #1                    |                      |                      |
| <b>Audit Notes:</b>      |                                |                      |                      |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>        | ACTUAL               |
|                          |                                | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b>  | <b>+E/-W (usft)</b>  |
|                          | 0.0                            | 0.0                  | 0.0                  |
|                          |                                |                      | <b>Direction (°)</b> |
|                          |                                |                      | 270.93               |

|                       |                  |                          |                    |
|-----------------------|------------------|--------------------------|--------------------|
| <b>Survey Program</b> | Date 3/30/2011   |                          |                    |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>   |
| 100.0                 | 1,780.0          | Gyro (Wellbore #1)       | Good_gyro          |
| 1,867.0               | 4,905.0          | MWD Survey (Wellbore #1) | MWD default        |
|                       |                  |                          | <b>Description</b> |
|                       |                  |                          | Good Gyro          |
|                       |                  |                          | MWD - Standard     |

|                       |                              |                        |                    |                              |                     |                     |                                |                                |                               |                              |
|-----------------------|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|
| <b>Survey</b>         | <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |
| <b>Tie-In to Gyro</b> |                              |                        |                    |                              |                     |                     |                                |                                |                               |                              |
|                       | 1,780.0                      | 0.94                   | 90.82              | 1,779.9                      | -4.2                | 15.6                | -15.6                          | 0.00                           | 0.00                          | 0.00                         |
|                       | 1,867.0                      | 1.10                   | 91.40              | 1,866.8                      | -4.2                | 17.1                | -17.2                          | 0.18                           | 0.18                          | 0.67                         |
|                       | 1,898.0                      | 0.30                   | 95.80              | 1,897.8                      | -4.2                | 17.5                | -17.5                          | 2.58                           | -2.58                         | 14.19                        |
|                       | 1,929.0                      | 2.30                   | 268.30             | 1,928.8                      | -4.3                | 16.9                | -17.0                          | 8.38                           | 6.45                          | 556.45                       |
|                       | 1,960.0                      | 5.20                   | 268.20             | 1,959.8                      | -4.3                | 14.9                | -15.0                          | 9.35                           | 9.35                          | -0.32                        |
|                       | 1,991.0                      | 8.50                   | 269.70             | 1,990.5                      | -4.4                | 11.2                | -11.3                          | 10.66                          | 10.65                         | 4.84                         |
|                       | 2,023.0                      | 11.90                  | 270.60             | 2,022.0                      | -4.4                | 5.6                 | -5.6                           | 10.64                          | 10.63                         | 2.81                         |
|                       | 2,054.0                      | 14.60                  | 271.60             | 2,052.2                      | -4.2                | -1.6                | 1.5                            | 8.74                           | 8.71                          | 3.23                         |
|                       | 2,086.0                      | 17.50                  | 271.70             | 2,082.9                      | -4.0                | -10.4               | 10.3                           | 9.06                           | 9.06                          | 0.31                         |

# DDC Survey Report



|                  |                         |                                     |                                        |
|------------------|-------------------------|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Gunsmoke 9 KL #1H                 |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3476.0usft (Patterson UTI #101) |
| <b>Site:</b>     | Sec 9-20S-25E           | <b>MD Reference:</b>                | WELL @ 3476.0usft (Patterson UTI #101) |
| <b>Well:</b>     | Gunsmoke 9 KL #1H       | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | Wellbore #1             | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | Wellbore #1             | <b>Database:</b>                    | EDM 5000 1 Single User Db              |

| Survey                               |                 |             |                       |              |              |                         |                         |                        |                       |
|--------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 2,117.0                              | 20.70           | 271.50      | 2,112.2               | -3.7         | -20.5        | 20.5                    | 10.32                   | 10.32                  | -0.65                 |
| 2,149.0                              | 24.00           | 271.60      | 2,141.8               | -3.3         | -32.7        | 32.6                    | 10.31                   | 10.31                  | 0.31                  |
| 2,178.0                              | 27.20           | 271.10      | 2,168.0               | -3.1         | -45.2        | 45.2                    | 11.06                   | 11.03                  | -1.72                 |
| 2,210.0                              | 30.40           | 271.00      | 2,196.0               | -2.8         | -60.6        | 60.6                    | 10.00                   | 10.00                  | -0.31                 |
| 2,240.0                              | 33.30           | 271.50      | 2,221.5               | -2.4         | -76.5        | 76.4                    | 9.71                    | 9.67                   | 1.67                  |
| 2,272.0                              | 35.90           | 271.40      | 2,247.8               | -2.0         | -94.6        | 94.6                    | 8.13                    | 8.13                   | -0.31                 |
| 2,302.0                              | 39.20           | 270.90      | 2,271.6               | -1.6         | -112.9       | 112.9                   | 11.05                   | 11.00                  | -1.67                 |
| 2,333.0                              | 42.60           | 270.60      | 2,295.0               | -1.3         | -133.2       | 133.2                   | 10.99                   | 10.97                  | -0.97                 |
| 2,364.0                              | 45.00           | 270.20      | 2,317.4               | -1.2         | -154.6       | 154.6                   | 7.79                    | 7.74                   | -1.29                 |
| 2,396.0                              | 47.40           | 270.60      | 2,339.6               | -1.0         | -177.7       | 177.7                   | 7.55                    | 7.50                   | 1.25                  |
| 2,427.0                              | 50.00           | 271.70      | 2,360.0               | -0.6         | -201.0       | 201.0                   | 8.80                    | 8.39                   | 3.55                  |
| 2,458.0                              | 53.00           | 272.30      | 2,379.3               | 0.3          | -225.3       | 225.2                   | 9.80                    | 9.68                   | 1.94                  |
| 2,490.0                              | 56.30           | 272.20      | 2,397.8               | 1.3          | -251.3       | 251.3                   | 10.32                   | 10.31                  | -0.31                 |
| 2,521.0                              | 59.90           | 271.40      | 2,414.2               | 2.1          | -277.6       | 277.6                   | 11.82                   | 11.61                  | -2.58                 |
| 2,552.0                              | 63.50           | 271.00      | 2,428.9               | 2.7          | -304.9       | 304.9                   | 11.67                   | 11.61                  | -1.29                 |
| 2,584.0                              | 67.20           | 271.10      | 2,442.2               | 3.2          | -334.0       | 334.0                   | 11.57                   | 11.56                  | 0.31                  |
| 2,615.0                              | 70.70           | 270.90      | 2,453.4               | 3.7          | -362.9       | 362.9                   | 11.31                   | 11.29                  | -0.65                 |
| <b>Crossed Lease-Line @ 2620' MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,620.0                              | 71.22           | 270.90      | 2,455.0               | 3.8          | -367.6       | 367.7                   | 10.31                   | 10.31                  | 0.00                  |
| 2,647.0                              | 74.00           | 270.90      | 2,463.1               | 4.2          | -393.4       | 393.4                   | 10.31                   | 10.31                  | 0.00                  |
| 2,679.0                              | 77.00           | 270.90      | 2,471.1               | 4.7          | -424.4       | 424.4                   | 9.38                    | 9.38                   | 0.00                  |
| 2,710.0                              | 80.20           | 270.40      | 2,477.2               | 5.1          | -454.8       | 454.8                   | 10.44                   | 10.32                  | -1.61                 |
| 2,742.0                              | 83.30           | 270.70      | 2,481.8               | 5.4          | -486.4       | 486.4                   | 9.73                    | 9.69                   | 0.94                  |
| 2,774.0                              | 85.70           | 270.90      | 2,484.9               | 5.8          | -518.3       | 518.3                   | 7.53                    | 7.50                   | 0.63                  |
| 2,805.0                              | 87.50           | 270.90      | 2,486.7               | 6.3          | -549.2       | 549.2                   | 5.81                    | 5.81                   | 0.00                  |
| 2,837.0                              | 88.80           | 271.00      | 2,487.7               | 6.8          | -581.2       | 581.2                   | 4.07                    | 4.06                   | 0.31                  |
| 2,868.0                              | 89.10           | 270.70      | 2,488.3               | 7.3          | -612.2       | 612.2                   | 1.37                    | 0.97                   | -0.97                 |
| 2,898.0                              | 89.40           | 269.90      | 2,488.7               | 7.4          | -642.2       | 642.2                   | 2.85                    | 1.00                   | -2.67                 |
| <b>Crossed Hard-Line @ 2953' MD</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,953.0                              | 89.86           | 269.70      | 2,489.1               | 7.3          | -697.2       | 697.2                   | 0.92                    | 0.84                   | -0.36                 |
| 2,981.0                              | 90.10           | 269.60      | 2,489.1               | 7.1          | -725.2       | 725.2                   | 0.92                    | 0.84                   | -0.36                 |
| 3,013.0                              | 90.10           | 269.10      | 2,489.0               | 6.7          | -757.2       | 757.2                   | 1.56                    | 0.00                   | -1.56                 |
| 3,045.0                              | 90.30           | 270.90      | 2,488.9               | 6.7          | -789.2       | 789.2                   | 5.66                    | 0.63                   | 5.63                  |
| 3,076.0                              | 90.40           | 270.20      | 2,488.7               | 7.0          | -820.2       | 820.2                   | 2.28                    | 0.32                   | -2.26                 |
| 3,136.0                              | 90.60           | 271.50      | 2,488.2               | 7.9          | -880.2       | 880.2                   | 2.19                    | 0.33                   | 2.17                  |
| 3,197.0                              | 90.80           | 271.60      | 2,487.4               | 9.6          | -941.1       | 941.2                   | 0.37                    | 0.33                   | 0.16                  |
| 3,258.0                              | 91.00           | 272.00      | 2,486.5               | 11.5         | -1,002.1     | 1,002.2                 | 0.73                    | 0.33                   | 0.66                  |
| 3,289.0                              | 91.30           | 271.60      | 2,485.9               | 12.4         | -1,033.1     | 1,033.1                 | 1.61                    | 0.97                   | -1.29                 |
| 3,382.0                              | 91.50           | 271.00      | 2,483.6               | 14.6         | -1,126.0     | 1,126.1                 | 0.68                    | 0.22                   | -0.65                 |
| 3,444.0                              | 91.60           | 270.50      | 2,481.9               | 15.4         | -1,188.0     | 1,188.1                 | 0.82                    | 0.16                   | -0.81                 |
| 3,506.0                              | 90.60           | 270.40      | 2,480.7               | 15.9         | -1,250.0     | 1,250.1                 | 1.62                    | -1.61                  | -0.16                 |
| 3,566.0                              | 90.10           | 270.30      | 2,480.4               | 16.2         | -1,310.0     | 1,310.1                 | 0.85                    | -0.83                  | -0.17                 |
| 3,625.0                              | 90.00           | 271.20      | 2,480.3               | 17.0         | -1,369.0     | 1,369.1                 | 1.53                    | -0.17                  | 1.53                  |

# DDC Survey Report



|                  |                         |                                     |                                        |
|------------------|-------------------------|-------------------------------------|----------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Gunsmoke 9 KL #1H                 |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3476.0usft (Patterson UTI #101) |
| <b>Site:</b>     | Sec 9-20S-25E           | <b>MD Reference:</b>                | WELL @ 3476.0usft (Patterson UTI #101) |
| <b>Well:</b>     | Gunsmoke 9 KL #1H       | <b>North Reference:</b>             | Grid                                   |
| <b>Wellbore:</b> | Wellbore #1             | <b>Survey Calculation Method:</b>   | Minimum Curvature                      |
| <b>Design:</b>   | Wellbore #1             | <b>Database:</b>                    | EDM 5000 1 Single User Db              |

## Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 3,689.0               | 90.70           | 271.40      | 2,479.9               | 18.4         | -1,433.0     | 1,433.1                 | 1.14                    | 1.09                   | 0.31                  |
| 3,752.0               | 91.30           | 271.30      | 2,478.8               | 19.9         | -1,495.9     | 1,496.1                 | 0.97                    | 0.95                   | -0.16                 |
| 3,815.0               | 91.80           | 270.20      | 2,477.1               | 20.7         | -1,558.9     | 1,559.0                 | 1.92                    | 0.79                   | -1.75                 |
| 3,879.0               | 91.70           | 270.90      | 2,475.2               | 21.4         | -1,622.9     | 1,623.0                 | 1.10                    | -0.16                  | 1.09                  |
| 3,942.0               | 92.20           | 271.00      | 2,473.0               | 22.4         | -1,685.8     | 1,686.0                 | 0.81                    | 0.79                   | 0.16                  |
| 4,006.0               | 90.50           | 270.90      | 2,471.5               | 23.5         | -1,749.8     | 1,749.9                 | 2.66                    | -2.66                  | -0.16                 |
| 4,069.0               | 90.00           | 269.70      | 2,471.2               | 23.8         | -1,812.8     | 1,812.9                 | 2.06                    | -0.79                  | -1.90                 |
| 4,133.0               | 90.00           | 271.30      | 2,471.2               | 24.4         | -1,876.8     | 1,876.9                 | 2.50                    | 0.00                   | 2.50                  |
| 4,196.0               | 90.00           | 271.50      | 2,471.2               | 25.9         | -1,939.8     | 1,939.9                 | 0.32                    | 0.00                   | 0.32                  |
| 4,260.0               | 90.20           | 270.70      | 2,471.1               | 27.1         | -2,003.8     | 2,003.9                 | 1.29                    | 0.31                   | -1.25                 |
| 4,323.0               | 90.40           | 270.90      | 2,470.8               | 28.0         | -2,066.7     | 2,066.9                 | 0.45                    | 0.32                   | 0.32                  |
| 4,386.0               | 90.50           | 272.70      | 2,470.3               | 30.0         | -2,129.7     | 2,129.9                 | 2.86                    | 0.16                   | 2.86                  |
| 4,450.0               | 90.80           | 272.20      | 2,469.6               | 32.7         | -2,193.6     | 2,193.9                 | 0.91                    | 0.47                   | -0.78                 |
| 4,513.0               | 90.90           | 271.30      | 2,468.6               | 34.6         | -2,256.6     | 2,256.9                 | 1.44                    | 0.16                   | -1.43                 |
| 4,577.0               | 90.80           | 271.40      | 2,467.7               | 36.2         | -2,320.6     | 2,320.9                 | 0.22                    | -0.16                  | 0.16                  |
| 4,641.0               | 90.60           | 271.40      | 2,466.9               | 37.7         | -2,384.6     | 2,384.9                 | 0.31                    | -0.31                  | 0.00                  |
| 4,704.0               | 90.50           | 271.00      | 2,466.3               | 39.0         | -2,447.5     | 2,447.9                 | 0.65                    | -0.16                  | -0.63                 |
| 4,768.0               | 90.40           | 270.70      | 2,465.8               | 40.0         | -2,511.5     | 2,511.9                 | 0.49                    | -0.16                  | -0.47                 |
| 4,831.0               | 90.80           | 271.00      | 2,465.1               | 40.9         | -2,574.5     | 2,574.8                 | 0.79                    | 0.63                   | 0.48                  |
| 4,863.0               | 90.90           | 271.20      | 2,464.7               | 41.5         | -2,606.5     | 2,606.8                 | 0.70                    | 0.31                   | 0.63                  |
| TD                    |                 |             |                       |              |              |                         |                         |                        |                       |
| 4,905.0               | 90.90           | 271.20      | 2,464.0               | 42.4         | -2,648.5     | 2,648.8                 | 0.00                    | 0.00                   | 0.00                  |

## Survey Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                       |
|-----------------------|-----------------------|-------------------|--------------|-------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                               |
| 1,780.0               | 1,779.9               | -4.2              | 15.6         | Tie-In to Gyro                |
| 2,620.0               | 2,455.0               | 3.8               | -367.6       | Crossed Lease-Line @ 2620' MD |
| 2,953.0               | 2,489.1               | 7.3               | -697.2       | Crossed Hard-Line @ 2953' MD  |
| 4,905.0               | 2,464.0               | 42.4              | -2,648.5     | TD                            |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

Gunsmoke 9 KL #1H  
Eddy County, New Mexico  
Q110007 & WT-11151

Company Name Mewbourne Oil Co  
Gunsmoke 9 KL #1H  
Eddy County, New Mexico  
Rig Patterson UTI #101  
Created By: Kristen Koch  
Date 3/30/2011

# Mewbourne Oil Company



Azimuths to Grid North

Magnetic North 8 14°

Magnetic Field

Strength. 48754.1snT

Dip Angle. 60.37°

Date: 3/17/2011

Model. IGRF2010

PROJECT DETAILS: Eddy County, New Mexico

Geodetic System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: New Mexico East 3001  
System Datum: Mean Sea Level

## WELL DETAILS Gunsmoke 9 KL #1H

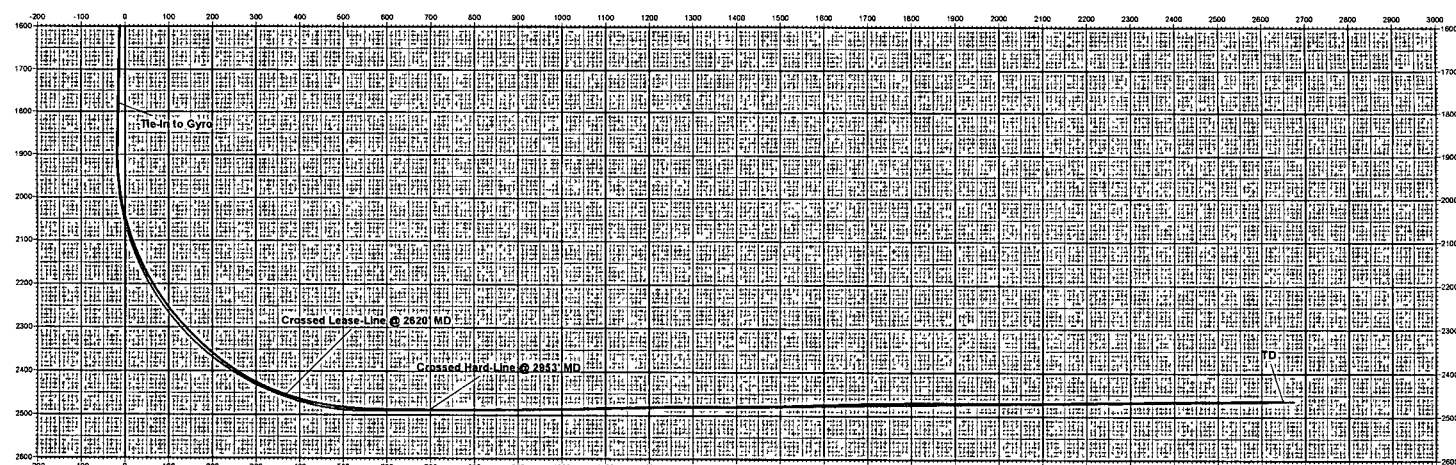
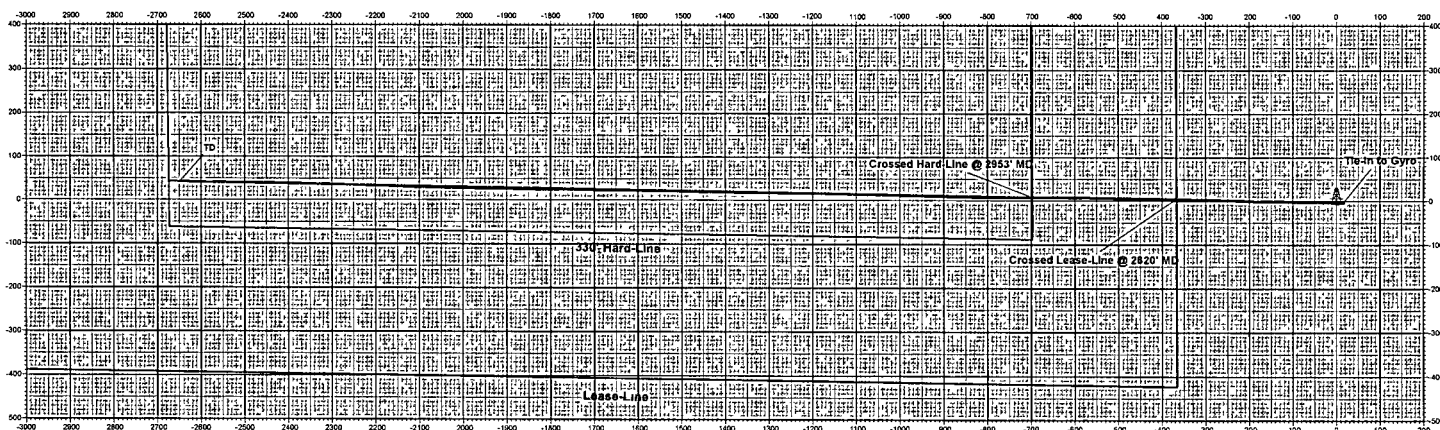
| +N-S | +E-W | North     | Ground Level | 3457 0          | Longitude         |
|------|------|-----------|--------------|-----------------|-------------------|
| 0 0  | 0 0  | 676731 20 | 482314 17    | 32° 35' 7 601 N | 104° 29' 17 350 W |

## ANNOTATIONS

| MD     | Inc   | Azi    | TVD    | +N-S | +E-W    | Vsect  | Departure | Annotation                    |
|--------|-------|--------|--------|------|---------|--------|-----------|-------------------------------|
| 1780 0 | 0 94  | 90 82  | 1779 9 | -4 2 | 15 6    | -15 6  | 20 5      | Tie-in to Gyro                |
| 2220 0 | 71 22 | 270 90 | 2458 0 | 3 8  | -387 6  | 387 7  | 407 9     | Crossed Lease-Line @ 2520' MD |
| 2953 0 | 89 86 | 289 70 | 2489 1 | 7 3  | -497 2  | 497 2  | 737 4     | Crossed Hard-Line @ 2953' MD  |
| 4905 0 | 90 90 | 271 20 | 2464 0 | 42 4 | -2648 5 | 2648 8 | 2689 2    | TD                            |

## DESIGN TARGET DETAILS

| Name                                                | TVD    | +N-S | +E-W    | North     | East      | Latitude        | Longitude         |
|-----------------------------------------------------|--------|------|---------|-----------|-----------|-----------------|-------------------|
| PBHL Gunsmoke 9 KL #1H<br>- plan hits target center | 2464 0 | 43 2 | -2674 8 | 676774 40 | 449639 40 | 32° 35' 7 989 N | 104° 29' 48 514 W |



Vertical Section at 270 93° (100 usf/in)