

OPERATOR  
WELL/LEASE  
COUNTY

MEWBOURNE OIL COMPANY  
WYATT DRAW 13 NC 001H  
EDDY

041-0105

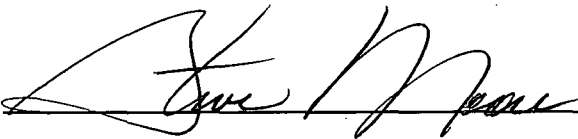
STATE OF NEW MEXICO  
DEVIATION REPORT

*30-015-40303*

|       |      |
|-------|------|
| 218   | 0.96 |
| 451   | 2.00 |
| 790   | 1.83 |
| 1,074 | 1.00 |
| 1,581 | 0.80 |

STATE OF TEXAS

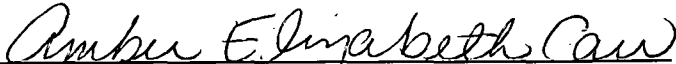
COUNTY OF MIDLAND

BY: 

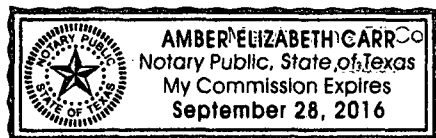
The foregoing instrument was acknowledged before me on  
Steve Moore on behalf of Patterson-UTL Drilling Company LLC.

*2/11/13* Received

FEB 15 2013



Notary Public for Midland County, Texas  
My Commission Expires:



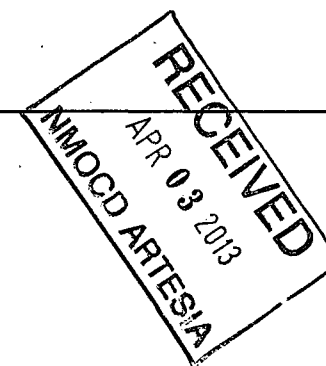
Company



Company: Mewbourne Oil Company  
Lease/Well: Wyatt Draw 13NC / No. 001H



Rig Name: Patterson 41  
State/County: New Mexico / Eddy  
Latitude: 32.65, Longitude: -104.44  
GRID North is 0.06 Degrees West of True North  
VS-Azi: 0.00 Degrees



Service Company : RKB = 17'

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: survey.ut  
Minimum Curvature Method  
Report Date/Time: 2/12/2013 / 10:46

Vaughn Energy Services  
Gardendale, Texas  
432-563-5444

Surveyor: Kyle Willis  
Wyatt Draw 13NC No. 001H / API 30-015-40303

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | TVD<br>FT | +N/-S<br>FT | +E/-W<br>FT | Vertical<br>Section<br>FT | Closure<br>Distance<br>FT | Closure<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 0.00                    | 0.00                 | 0.00                      | 0.00      | 0.00        | 0.00        | 0.00                      | 0.00                      | 0.00                        | ****                          |
| 100.00                  | 0.52                 | 239.06                    | 100.00    | -0.23       | -0.39       | -0.23                     | 0.45                      | 239.06                      | 0.52                          |
| 200.00                  | 1.07                 | 253.09                    | 199.99    | -0.74       | -1.68       | -0.74                     | 1.83                      | 246.19                      | 0.58                          |
| 300.00                  | 1.40                 | 244.19                    | 299.97    | -1.54       | -3.67       | -1.54                     | 3.98                      | 247.20                      | 0.38                          |
| 400.00                  | 1.72                 | 250.22                    | 399.93    | -2.58       | -6.18       | -2.58                     | 6.70                      | 247.32                      | 0.36                          |
| 500.00                  | 1.79                 | 262.63                    | 499.88    | -3.29       | -9.14       | -3.29                     | 9.72                      | 250.20                      | 0.39                          |
| 600.00                  | 1.87                 | 248.58                    | 599.83    | -4.09       | -12.21      | -4.09                     | 12.88                     | 251.49                      | 0.45                          |
| 700.00                  | 1.60                 | 230.00                    | 699.79    | -5.58       | -14.81      | -5.58                     | 15.82                     | 249.34                      | 0.62                          |
| 800.00                  | 1.30                 | 248.41                    | 799.75    | -6.90       | -16.93      | -6.90                     | 18.29                     | 247.83                      | 0.55                          |
| 900.00                  | 1.15                 | 262.27                    | 899.73    | -7.45       | -18.98      | -7.45                     | 20.39                     | 248.56                      | 0.33                          |
| 1000.00                 | 0.89                 | 247.76                    | 999.72    | -7.88       | -20.70      | -7.88                     | 22.15                     | 249.15                      | 0.36                          |
| 1100.00                 | 0.74                 | 252.31                    | 1099.71   | -8.37       | -22.03      | -8.37                     | 23.57                     | 249.19                      | 0.17                          |
| 1200.00                 | 0.70                 | 257.26                    | 1199.70   | -8.70       | -23.24      | -8.70                     | 24.81                     | 249.47                      | 0.07                          |
| 1300.00                 | 0.85                 | 284.24                    | 1299.69   | -8.65       | -24.55      | -8.65                     | 26.03                     | 250.58                      | 0.39                          |
| 1400.00                 | 0.77                 | 243.37                    | 1399.68   | -8.77       | -25.88      | -8.77                     | 27.32                     | 251.27                      | 0.57                          |
| 1500.00                 | 0.42                 | 267.37                    | 1499.67   | -9.09       | -26.84      | -9.09                     | 28.34                     | 251.29                      | 0.43                          |
| 1600.00                 | 0.36                 | 241.05                    | 1599.67   | -9.26       | -27.48      | -9.26                     | 28.99                     | 251.38                      | 0.19                          |
| 1700.00                 | 0.31                 | 243.90                    | 1699.67   | -9.53       | -27.99      | -9.53                     | 29.57                     | 251.20                      | 0.05                          |
| 1800.00                 | 0.24                 | 203.77                    | 1799.67   | -9.84       | -28.32      | -9.84                     | 29.98                     | 250.84                      | 0.20                          |

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | TVD<br>FT | +N/-S<br>FT | +E/-W<br>FT | Vertical<br>Section<br>FT | Closure<br>Distance<br>FT | Closure<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 1900.00                 | 0.39                 | 195.18                    | 1899.67   | -10.35      | -28.49      | -10.35                    | 30.31                     | 250.03                      | 0.16                          |
| 2000.00                 | 0.57                 | 210.01                    | 1999.66   | -11.11      | -28.83      | -11.11                    | 30.90                     | 248.92                      | 0.22                          |
| 2070.00                 | 0.83                 | 207.75                    | 2069.66   | -11.87      | -29.24      | -11.87                    | 31.55                     | 247.91                      | 0.37                          |

# **Mewbourne Oil Co**

**Eddy County, New Mexico**

**Sec 24-T19S-R25E**

**Wyatt Draw 13 NC #1H**

**Wellbore #1**

**Design: Wellbore #1**

## **DDC Survey Report**

**18 February, 2013**



# DDC Survey Report



|                  |                         |                                     |                                   |
|------------------|-------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Wyatt Draw 13 NC #1H         |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3435.0usft (Patterson #41) |
| <b>Site:</b>     | Sec 24-T19S-R25E        | <b>MD Reference:</b>                | WELL @ 3435.0usft (Patterson #41) |
| <b>Well:</b>     | Wyatt Draw 13 NC #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 24-T19S-R25E |                          |                   |
| <b>Site Position:</b>        |                  | <b>Northing:</b>         | 597,128.75 usft   |
| <b>From:</b>                 | Map              | <b>Easting:</b>          | 466,881.19 usft   |
| <b>Position Uncertainty:</b> | 0.0 usft         | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |                  | <b>Latitude:</b>         | 32° 38' 29.628 N  |
|                              |                  | <b>Longitude:</b>        | 104° 26' 27.333 W |
|                              |                  | <b>Grid Convergence:</b> | -0.06 °           |

|                             |                      |                            |                                  |
|-----------------------------|----------------------|----------------------------|----------------------------------|
| <b>Well</b>                 | Wyatt Draw 13 NC #1H |                            |                                  |
| <b>Well Position</b>        | <b>+N/-S</b>         | 0.0 usft                   | <b>Northing:</b> 601,230.08 usft |
|                             | <b>+E/-W</b>         | 0.0 usft                   | <b>Easting:</b> 466,976.18 usft  |
| <b>Position Uncertainty</b> | 0.0 usft             | <b>Wellhead Elevation:</b> | usft                             |
|                             |                      | <b>Latitude:</b>           | 32° 39' 10.214 N                 |
|                             |                      | <b>Longitude:</b>          | 104° 26' 26.271 W                |
|                             |                      | <b>Ground Level:</b>       | 3,416.0 usft                     |

|                  |                   |                    |                     |
|------------------|-------------------|--------------------|---------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                     |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b>  |
|                  |                   |                    | (°)                 |
|                  | IGRF2010          | 1/10/2013          | 7.82                |
|                  |                   |                    | Dip Angle (°)       |
|                  |                   |                    | 60.39               |
|                  |                   |                    | Field Strength (nT) |
|                  |                   |                    | 48,620              |

|                          |                         |                      |               |
|--------------------------|-------------------------|----------------------|---------------|
| <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)</b> | <b>+N/-S</b>         | <b>+E/-W</b>  |
|                          | (usft)                  | (usft)               | (usft)        |
|                          | 0.0                     | 0.0                  | 0.0           |
|                          |                         |                      | Direction (°) |
|                          |                         |                      | 358.61        |

|                       |                |                          |                  |
|-----------------------|----------------|--------------------------|------------------|
| <b>Survey Program</b> | Date 2/18/2013 |                          |                  |
| <b>From</b>           | <b>To</b>      | <b>Survey (Wellbore)</b> | <b>Tool Name</b> |
| (usft)                | (usft)         |                          |                  |
| 100.0                 | 2,070.0        | Gyro (Wellbore #1)       | Good_gyro        |
| 2,175.0               | 7,564.0        | MWD (Wellbore #1)        | MWD default      |
|                       |                |                          | Description      |
|                       |                |                          | Good Gyro        |
|                       |                |                          | MWD - Standard   |

|                       |                    |                |                       |              |              |                         |                    |                   |                  |  |
|-----------------------|--------------------|----------------|-----------------------|--------------|--------------|-------------------------|--------------------|-------------------|------------------|--|
| <b>Survey</b>         |                    |                |                       |              |              |                         |                    |                   |                  |  |
| <b>Measured Depth</b> | <b>Inclination</b> | <b>Azimuth</b> | <b>Vertical Depth</b> | <b>+N/-S</b> | <b>+E/-W</b> | <b>Vertical Section</b> | <b>Dogleg Rate</b> | <b>Build Rate</b> | <b>Turn Rate</b> |  |
| (usft)                | (°)                | (°)            | (usft)                | (usft)       | (usft)       | (usft)                  | (°/100usft)        | (°/100usft)       | (°/100usft)      |  |
| 0.0                   | 0.00               | 0.00           | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00               | 0.00              | 0.00             |  |
| 100.0                 | 0.52               | 239.06         | 100.0                 | -0.2         | -0.4         | -0.2                    | 0.52               | 0.52              | 0.00             |  |
| 200.0                 | 1.07               | 253.09         | 200.0                 | -0.7         | -1.7         | -0.7                    | 0.58               | 0.55              | 14.03            |  |
| 300.0                 | 1.40               | 244.19         | 300.0                 | -1.5         | -3.7         | -1.5                    | 0.38               | 0.33              | -8.90            |  |
| 400.0                 | 1.72               | 250.22         | 399.9                 | -2.6         | -6.2         | -2.4                    | 0.36               | 0.32              | 6.03             |  |
| 500.0                 | 1.79               | 262.63         | 499.9                 | -3.3         | -9.1         | -3.1                    | 0.39               | 0.07              | 12.41            |  |
| 600.0                 | 1.87               | 248.58         | 599.8                 | -4.1         | -12.2        | -3.8                    | 0.45               | 0.08              | -14.05           |  |
| 700.0                 | 1.60               | 230.00         | 699.8                 | -5.6         | -14.8        | -5.2                    | 0.62               | -0.27             | -18.58           |  |
| 800.0                 | 1.30               | 248.41         | 799.8                 | -6.9         | -16.9        | -6.5                    | 0.55               | -0.30             | 18.41            |  |
| 900.0                 | 1.15               | 262.27         | 899.7                 | -7.4         | -19.0        | -7.0                    | 0.33               | -0.15             | 13.86            |  |

# DDC Survey Report



|                  |                         |                                     |                                   |
|------------------|-------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Wyatt Draw 13 NC #1H         |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3435.0usft (Patterson #41) |
| <b>Site:</b>     | Sec 24-T19S-R25E        | <b>MD Reference:</b>                | WELL @ 3435.0usft (Patterson #41) |
| <b>Well:</b>     | Wyatt Draw 13 NC #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) |
| 1,000.0                                   | 0.89            | 247.76      | 999.7                 | -7.9         | -20.7        | -7.4                    | 0.36                    | -0.26                  | -14.51                |
| 1,100.0                                   | 0.74            | 252.31      | 1,099.7               | -8.4         | -22.0        | -7.8                    | 0.16                    | -0.15                  | 4.55                  |
| 1,200.0                                   | 0.70            | 257.26      | 1,199.7               | -8.7         | -23.2        | -8.1                    | 0.07                    | -0.04                  | 4.95                  |
| 1,300.0                                   | 0.85            | 284.24      | 1,299.7               | -8.6         | -24.5        | -8.1                    | 0.39                    | 0.15                   | 26.98                 |
| 1,400.0                                   | 0.77            | 243.37      | 1,399.7               | -8.8         | -25.9        | -8.1                    | 0.57                    | -0.08                  | -40.87                |
| 1,500.0                                   | 0.42            | 267.37      | 1,499.7               | -9.1         | -26.8        | -8.4                    | 0.42                    | -0.35                  | 24.00                 |
| 1,600.0                                   | 0.36            | 241.05      | 1,599.7               | -9.3         | -27.5        | -8.6                    | 0.19                    | -0.06                  | -26.32                |
| 1,700.0                                   | 0.31            | 243.90      | 1,699.7               | -9.5         | -28.0        | -8.8                    | 0.05                    | -0.05                  | 2.85                  |
| 1,800.0                                   | 0.24            | 203.77      | 1,799.7               | -9.8         | -28.3        | -9.1                    | 0.20                    | -0.07                  | -40.13                |
| 1,900.0                                   | 0.39            | 195.18      | 1,899.7               | -10.4        | -28.5        | -9.7                    | 0.16                    | 0.15                   | -8.59                 |
| 2,000.0                                   | 0.57            | 210.01      | 1,999.7               | -11.1        | -28.8        | -10.4                   | 0.22                    | 0.18                   | 14.83                 |
| TIE IN @ 2070' MD / 2070' TVD             |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,070.0                                   | 0.83            | 207.75      | 2,069.7               | -11.9        | -29.2        | -11.2                   | 0.37                    | 0.37                   | -3.23                 |
| 2,175.0                                   | 2.40            | 215.70      | 2,174.6               | -14.3        | -30.9        | -13.6                   | 1.51                    | 1.50                   | 7.57                  |
| 2,207.0                                   | 2.20            | 240.40      | 2,206.6               | -15.2        | -31.8        | -14.4                   | 3.13                    | -0.63                  | 77.19                 |
| 2,239.0                                   | 2.50            | 323.80      | 2,238.6               | -14.9        | -32.7        | -14.1                   | 9.79                    | 0.94                   | 260.63                |
| 2,270.0                                   | 6.70            | 343.50      | 2,269.5               | -12.6        | -33.7        | -11.8                   | 14.28                   | 13.55                  | 63.55                 |
| 2,302.0                                   | 12.40           | 348.60      | 2,301.0               | -7.5         | -34.9        | -6.6                    | 17.99                   | 17.81                  | 15.94                 |
| 2,333.0                                   | 18.70           | 350.90      | 2,330.9               | 0.7          | -36.3        | 1.6                     | 20.42                   | 20.32                  | 7.42                  |
| 2,365.0                                   | 24.40           | 355.70      | 2,360.6               | 12.4         | -37.6        | 13.3                    | 18.63                   | 17.81                  | 15.00                 |
| 2,397.0                                   | 27.50           | 357.20      | 2,389.4               | 26.3         | -38.5        | 27.3                    | 9.90                    | 9.69                   | 4.69                  |
| 2,428.0                                   | 29.80           | 358.20      | 2,416.6               | 41.2         | -39.1        | 42.1                    | 7.58                    | 7.42                   | 3.23                  |
| 2,460.0                                   | 32.80           | 0.30        | 2,443.9               | 57.8         | -39.3        | 58.8                    | 9.97                    | 9.38                   | 6.56                  |
| 2,492.0                                   | 35.90           | 2.20        | 2,470.3               | 75.9         | -38.9        | 76.8                    | 10.25                   | 9.69                   | 5.94                  |
| 2,523.0                                   | 39.30           | 2.90        | 2,494.9               | 94.8         | -38.0        | 95.7                    | 11.05                   | 10.97                  | 2.26                  |
| 2,555.0                                   | 42.20           | 2.70        | 2,519.1               | 115.6        | -37.0        | 116.5                   | 9.07                    | 9.06                   | -0.63                 |
| 2,587.0                                   | 44.80           | 2.30        | 2,542.4               | 137.6        | -36.0        | 138.5                   | 8.17                    | 8.13                   | -1.25                 |
| 2,619.0                                   | 47.40           | 2.10        | 2,564.5               | 160.7        | -35.2        | 161.5                   | 8.14                    | 8.13                   | -0.63                 |
| 2,655.0                                   | 50.60           | 3.30        | 2,588.2               | 187.8        | -33.9        | 188.6                   | 9.24                    | 8.89                   | 3.33                  |
| 2,684.0                                   | 53.60           | 3.50        | 2,606.0               | 210.6        | -32.5        | 211.4                   | 10.36                   | 10.34                  | 0.69                  |
| CROSSED LEASE LINE @ 2706' MD / 2619' TVD |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,705.6                                   | 55.69           | 3.50        | 2,618.5               | 228.2        | -31.4        | 228.9                   | 9.69                    | 9.69                   | 0.00                  |
| 2,716.0                                   | 56.70           | 3.50        | 2,624.2               | 236.8        | -30.9        | 237.5                   | 9.69                    | 9.69                   | 0.00                  |
| 2,747.0                                   | 60.90           | 2.60        | 2,640.3               | 263.3        | -29.5        | 264.0                   | 13.77                   | 13.55                  | -2.90                 |
| 2,779.0                                   | 64.90           | 1.60        | 2,654.9               | 291.8        | -28.5        | 292.4                   | 12.81                   | 12.50                  | -3.13                 |
| 2,811.0                                   | 66.50           | 0.50        | 2,668.0               | 320.9        | -27.9        | 321.5                   | 5.90                    | 5.00                   | -3.44                 |
| 2,843.0                                   | 67.90           | 0.50        | 2,680.4               | 350.4        | -27.7        | 351.0                   | 4.38                    | 4.38                   | 0.00                  |
| 2,874.0                                   | 70.30           | 0.80        | 2,691.5               | 379.4        | -27.3        | 379.9                   | 7.79                    | 7.74                   | 0.97                  |
| 2,905.0                                   | 74.00           | 0.50        | 2,701.0               | 408.9        | -27.0        | 409.4                   | 11.97                   | 11.94                  | -0.97                 |
| 2,937.0                                   | 75.80           | 359.40      | 2,709.3               | 439.8        | -27.0        | 440.3                   | 6.53                    | 5.63                   | -3.44                 |
| 2,969.0                                   | 78.00           | 359.80      | 2,716.6               | 471.0        | -27.3        | 471.5                   | 6.98                    | 6.88                   | 1.25                  |
| 3,000.0                                   | 81.10           | 0.10        | 2,722.2               | 501.4        | -27.3        | 501.9                   | 10.05                   | 10.00                  | 0.97                  |
| 3,032.0                                   | 84.10           | 0.70        | 2,726.3               | 533.2        | -27.1        | 533.7                   | 9.56                    | 9.38                   | 1.88                  |

# DDC Survey Report



|                  |                         |                                     |                                   |
|------------------|-------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Wyatt Draw 13 NC #1H         |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3435.0usft (Patterson #41) |
| <b>Site:</b>     | Sec 24-T19S-R25E        | <b>MD Reference:</b>                | WELL @ 3435.0usft (Patterson #41) |
| <b>Well:</b>     | Wyatt Draw 13 NC #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) |
| <b>CROSSED HARD LINE @ 3057' MD / 2729' TVD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,057.2                                         | 85.73           | 1.43        | 2,728.6               | 558.3        | -26.6        | 558.7                   | 7.07                    | 6.45                   | 2.90                  |
| 3,063.0                                         | 86.10           | 1.60        | 2,729.0               | 564.0        | -26.4        | 564.5                   | 7.07                    | 6.45                   | 2.90                  |
| 3,095.0                                         | 88.10           | 2.10        | 2,730.6               | 596.0        | -25.4        | 596.4                   | 6.44                    | 6.25                   | 1.56                  |
| 3,127.0                                         | 89.60           | 2.30        | 2,731.2               | 628.0        | -24.2        | 628.4                   | 4.73                    | 4.69                   | 0.63                  |
| 3,158.0                                         | 89.80           | 2.30        | 2,731.4               | 658.9        | -22.9        | 659.3                   | 0.65                    | 0.65                   | 0.00                  |
| 3,190.0                                         | 89.70           | 2.30        | 2,731.5               | 690.9        | -21.7        | 691.2                   | 0.31                    | -0.31                  | 0.00                  |
| 3,253.0                                         | 89.60           | 2.10        | 2,731.9               | 753.9        | -19.2        | 754.1                   | 0.35                    | -0.16                  | -0.32                 |
| 3,316.0                                         | 90.20           | 2.40        | 2,732.0               | 816.8        | -16.8        | 817.0                   | 1.06                    | 0.95                   | 0.48                  |
| 3,380.0                                         | 90.10           | 3.00        | 2,731.9               | 880.7        | -13.7        | 880.8                   | 0.95                    | -0.16                  | 0.94                  |
| 3,443.0                                         | 90.10           | 1.60        | 2,731.8               | 943.7        | -11.2        | 943.7                   | 2.22                    | 0.00                   | -2.22                 |
| 3,507.0                                         | 90.10           | 359.80      | 2,731.7               | 1,007.7      | -10.4        | 1,007.6                 | 2.81                    | 0.00                   | -2.81                 |
| 3,569.0                                         | 90.00           | 358.90      | 2,731.6               | 1,069.7      | -11.1        | 1,069.6                 | 1.46                    | -0.16                  | -1.45                 |
| 3,633.0                                         | 89.50           | 359.40      | 2,731.9               | 1,133.7      | -12.1        | 1,133.6                 | 1.10                    | -0.78                  | 0.78                  |
| 3,696.0                                         | 90.60           | 358.70      | 2,731.8               | 1,196.6      | -13.1        | 1,196.6                 | 2.07                    | 1.75                   | -1.11                 |
| 3,759.0                                         | 90.20           | 358.90      | 2,731.4               | 1,259.6      | -14.5        | 1,259.6                 | 0.71                    | -0.63                  | 0.32                  |
| 3,822.0                                         | 89.60           | 359.10      | 2,731.5               | 1,322.6      | -15.6        | 1,322.6                 | 1.00                    | -0.95                  | 0.32                  |
| 3,886.0                                         | 90.70           | 358.60      | 2,731.3               | 1,386.6      | -16.8        | 1,386.6                 | 1.89                    | 1.72                   | -0.78                 |
| 3,949.0                                         | 90.50           | 358.00      | 2,730.7               | 1,449.6      | -18.7        | 1,449.6                 | 1.00                    | -0.32                  | -0.95                 |
| 4,012.0                                         | 90.30           | 358.20      | 2,730.2               | 1,512.5      | -20.8        | 1,512.6                 | 0.45                    | -0.32                  | 0.32                  |
| 4,076.0                                         | 90.10           | 358.20      | 2,730.0               | 1,576.5      | -22.8        | 1,576.6                 | 0.31                    | -0.31                  | 0.00                  |
| 4,139.0                                         | 90.70           | 357.70      | 2,729.6               | 1,639.5      | -25.1        | 1,639.6                 | 1.24                    | 0.95                   | -0.79                 |
| 4,234.0                                         | 89.70           | 357.00      | 2,729.2               | 1,734.4      | -29.5        | 1,734.6                 | 1.28                    | -1.05                  | -0.74                 |
| 4,329.0                                         | 91.50           | 358.40      | 2,728.2               | 1,829.3      | -33.3        | 1,829.5                 | 2.40                    | 1.89                   | 1.47                  |
| 4,424.0                                         | 90.90           | 358.40      | 2,726.2               | 1,924.2      | -35.9        | 1,924.5                 | 0.63                    | -0.63                  | 0.00                  |
| 4,518.0                                         | 90.40           | 358.70      | 2,725.2               | 2,018.2      | -38.3        | 2,018.5                 | 0.62                    | -0.53                  | 0.32                  |
| 4,613.0                                         | 90.40           | 0.00        | 2,724.5               | 2,113.2      | -39.4        | 2,113.5                 | 1.37                    | 0.00                   | 1.37                  |
| 4,708.0                                         | 90.10           | 359.40      | 2,724.1               | 2,208.2      | -39.9        | 2,208.5                 | 0.71                    | -0.32                  | -0.63                 |
| 4,804.0                                         | 90.00           | 358.90      | 2,724.0               | 2,304.2      | -41.3        | 2,304.5                 | 0.53                    | -0.10                  | -0.52                 |
| 4,899.0                                         | 90.10           | 359.40      | 2,723.9               | 2,399.1      | -42.7        | 2,399.5                 | 0.54                    | 0.11                   | 0.53                  |
| 4,993.0                                         | 90.60           | 358.60      | 2,723.4               | 2,493.1      | -44.3        | 2,493.5                 | 1.00                    | 0.53                   | -0.85                 |
| 5,088.0                                         | 90.30           | 358.70      | 2,722.6               | 2,588.1      | -46.6        | 2,588.5                 | 0.33                    | -0.32                  | 0.11                  |
| 5,183.0                                         | 90.70           | 358.60      | 2,721.8               | 2,683.1      | -48.8        | 2,683.5                 | 0.43                    | 0.42                   | -0.11                 |
| 5,278.0                                         | 91.30           | 359.10      | 2,720.1               | 2,778.0      | -50.7        | 2,778.4                 | 0.82                    | 0.63                   | 0.53                  |
| 5,373.0                                         | 92.90           | 359.80      | 2,716.6               | 2,873.0      | -51.6        | 2,873.4                 | 1.84                    | 1.68                   | 0.74                  |
| 5,466.0                                         | 90.40           | 0.00        | 2,714.0               | 2,965.9      | -51.8        | 2,966.3                 | 2.70                    | -2.69                  | 0.22                  |
| 5,561.0                                         | 90.30           | 359.30      | 2,713.4               | 3,060.9      | -52.4        | 3,061.3                 | 0.74                    | -0.11                  | -0.74                 |
| 5,656.0                                         | 89.30           | 358.90      | 2,713.7               | 3,155.9      | -53.9        | 3,156.3                 | 1.13                    | -1.05                  | -0.42                 |
| 5,751.0                                         | 88.90           | 359.40      | 2,715.2               | 3,250.9      | -55.3        | 3,251.3                 | 0.67                    | -0.42                  | 0.53                  |
| 5,846.0                                         | 88.40           | 359.30      | 2,717.5               | 3,345.8      | -56.4        | 3,346.2                 | 0.54                    | -0.53                  | -0.11                 |
| 5,941.0                                         | 88.50           | 359.80      | 2,720.0               | 3,440.8      | -57.1        | 3,441.2                 | 0.54                    | 0.11                   | 0.53                  |
| 6,036.0                                         | 90.00           | 358.70      | 2,721.3               | 3,535.8      | -58.3        | 3,536.2                 | 1.96                    | 1.58                   | -1.16                 |
| 6,131.0                                         | 90.40           | 358.20      | 2,720.9               | 3,630.7      | -60.9        | 3,631.2                 | 0.67                    | 0.42                   | -0.53                 |
| 6,226.0                                         | 90.70           | 357.70      | 2,720.0               | 3,725.7      | -64.3        | 3,726.1                 | 0.61                    | 0.32                   | -0.53                 |

**DDC**  
Survey Report



|                  |                         |                                     |                                   |
|------------------|-------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Wyatt Draw 13 NC #1H         |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3435.0usft (Patterson #41) |
| <b>Site:</b>     | Sec 24-T19S-R25E        | <b>MD Reference:</b>                | WELL @ 3435.0usft (Patterson #41) |
| <b>Well:</b>     | Wyatt Draw 13 NC #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) |
| 6,321.0                          | 90.60           | 357.50      | 2,718.9               | 3,820.6      | -68.3        | 3,821.1                 | 0.24                    | -0.11                  | -0.21                 |
| 6,416.0                          | 91.20           | 357.20      | 2,717.5               | 3,915.5      | -72.7        | 3,916.1                 | 0.71                    | 0.63                   | -0.32                 |
| 6,511.0                          | 91.00           | 357.30      | 2,715.6               | 4,010.4      | -77.2        | 4,011.0                 | 0.24                    | -0.21                  | 0.11                  |
| 6,606.0                          | 90.70           | 357.90      | 2,714.2               | 4,105.3      | -81.2        | 4,106.0                 | 0.71                    | -0.32                  | 0.63                  |
| 6,701.0                          | 90.10           | 357.90      | 2,713.6               | 4,200.2      | -84.7        | 4,201.0                 | 0.63                    | -0.63                  | 0.00                  |
| 6,795.0                          | 90.50           | 357.30      | 2,713.1               | 4,294.1      | -88.6        | 4,295.0                 | 0.77                    | 0.43                   | -0.64                 |
| 6,891.0                          | 90.00           | 357.90      | 2,712.6               | 4,390.0      | -92.7        | 4,391.0                 | 0.81                    | -0.52                  | 0.63                  |
| 6,985.0                          | 90.80           | 357.90      | 2,712.0               | 4,484.0      | -96.1        | 4,485.0                 | 0.85                    | 0.85                   | 0.00                  |
| 7,080.0                          | 90.30           | 358.90      | 2,711.1               | 4,578.9      | -98.8        | 4,580.0                 | 1.18                    | -0.53                  | 1.05                  |
| 7,175.0                          | 90.90           | 359.40      | 2,710.1               | 4,673.9      | -100.2       | 4,675.0                 | 0.82                    | 0.63                   | 0.53                  |
| 7,270.0                          | 91.00           | 359.80      | 2,708.5               | 4,768.9      | -100.8       | 4,769.9                 | 0.43                    | 0.11                   | 0.42                  |
| 7,364.0                          | 90.70           | 0.80        | 2,707.1               | 4,862.9      | -100.3       | 4,863.9                 | 1.11                    | -0.32                  | 1.06                  |
| 7,459.0                          | 90.40           | 1.00        | 2,706.2               | 4,957.9      | -98.8        | 4,958.8                 | 0.38                    | -0.32                  | 0.21                  |
| 7,516.0                          | 90.30           | 0.80        | 2,705.9               | 5,014.8      | -97.9        | 5,015.7                 | 0.39                    | -0.18                  | -0.35                 |
| <b>TD @ 7564' MD / 2706' TVD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,564.0                          | 90.30           | 0.80        | 2,705.6               | 5,062.8      | -97.3        | 5,063.7                 | 0.00                    | 0.00                   | 0.00                  |

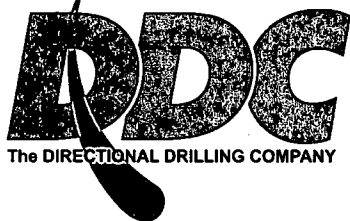
| Design Annotations    |                       |                   |              |                                           |
|-----------------------|-----------------------|-------------------|--------------|-------------------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                                   |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                           |
| 2,070.0               | 2,069.7               | -11.9             | -29.2        | TIE IN @ 2070' MD / 2070' TVD             |
| 2,705.6               | 2,618.5               | 228.2             | -31.4        | CROSSED LEASE LINE @ 2706' MD / 2619' TVD |
| 3,057.2               | 2,728.6               | 558.3             | -26.6        | CROSSED HARD LINE @ 3057' MD / 2729' TVD  |
| 7,564.0               | 2,705.6               | 5,062.8           | -97.3        | TD @ 7564' MD / 2706' TVD                 |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|

Company Name: Mewbourne Oil Co  
Wyatt Draw 13 NC #1H  
Eddy County, New Mexico  
Rig: Patterson #41  
Created By: Dina Chance  
Date: 2/18/2013

Wyatt Draw 13 NC #1H  
Eddy County, New Mexico  
Q130035 & WT-13078  
Design #2

# Mewbourne Oil Company



GT Azimuths to Grid North  
M Magnetic North: 7.88°

Magnetic Field  
Strength: 48620.0snT  
Dip Angle: 60.39°  
Date: 1/10/2013  
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: Wyatt Draw 13 NC #1H

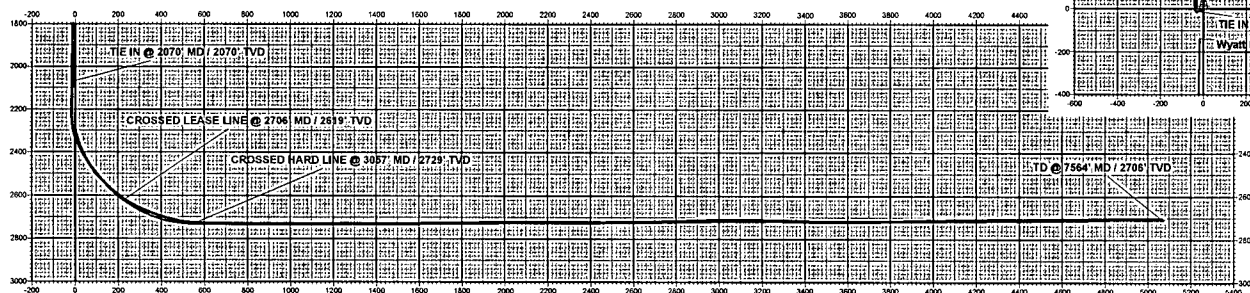
Ground Level: 3415.0  
+N-S +E-W Northing Easting Latitude Longitude  
0.0 0.0 601235.08 466976.18 32° 39' 10.214 N 104° 28' 28.271 W

## DESIGN TARGET DETAILS

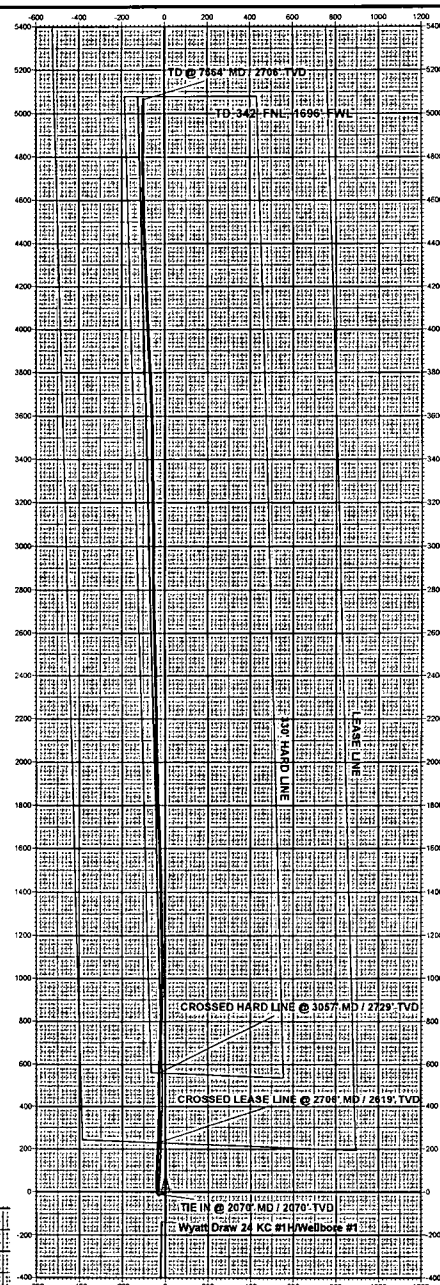
| Name                                                             | TVD    | +N-S   | +E-W   | Northing  | Easting   | Latitude        | Longitude         |
|------------------------------------------------------------------|--------|--------|--------|-----------|-----------|-----------------|-------------------|
| PBHL Wyatt Draw 13 NC #1H Design #1<br>- plan hits target center | 2705.9 | 5074.7 | -122.7 | 606304.78 | 466953.48 | 32° 40' 0.430 N | 104° 28' 27.768 W |

## ANNOTATIONS

| MD     | Inc   | Azi    | TVD    | +N-S   | +E-W  | Vsect  | Departure | Annotation                                |
|--------|-------|--------|--------|--------|-------|--------|-----------|-------------------------------------------|
| 2070.0 | 0.83  | 207.75 | 2069.7 | -11.9  | -29.2 | -11.2  | 32.9      | TIE IN @ 2070' MD / 2070' TVD             |
| 2705.8 | 85.69 | 3.50   | 2618.5 | 228.2  | -31.4 | 226.8  | 292.6     | CROSSED LEASE LINE @ 2706' MD / 2619' TVD |
| 3057.2 | 86.73 | 1.43   | 2728.6 | 588.3  | -26.6 | 568.7  | 612.6     | CROSSED HARD LINE @ 3057' MD / 2729' TVD  |
| 7564.0 | 50.30 | 0.80   | 2706.6 | 5062.8 | -97.3 | 5063.7 | 5118.3    | TD @ 7564' MD / 2706' TVD                 |



Vertical Section at 358.61° (200 usft/in)



Operating Company Mewbourne Oil Company  
 Well Name & Number #1H  
 Sales Ticket Number 5286041-1  
 Date 2/14/2013

Company Rep 0  
 Field Wyatt Draw 13 NC  
 BOT Service Rep 0  
 District Location Odessa, Texas, USA



|                          | Size         | Weight | Grade                           | ID    | Drift                   | Thread  | Capacity | Length    | Burst | Collapse           |              |                |              |
|--------------------------|--------------|--------|---------------------------------|-------|-------------------------|---------|----------|-----------|-------|--------------------|--------------|----------------|--------------|
| Casing                   | 7.000        | 26.00  | 55000                           | 6.276 | 6.151                   | LT&C    | 0.03826  | 2,148.00  | 4,980 | 4,330              |              |                |              |
| Top Liner                | 4.500        | 11.60  | 55000                           | 4.000 | 3.875                   | LT&C    | 0.01554  | 5,612.94  | 5,350 | 4,960              |              |                |              |
| Bott Liner               | 0.000        | 0.00   | 0                               | 0.000 | 0.000                   | 0       | 0.00000  | -         | -     | -                  |              |                |              |
| TVD                      |              |        |                                 | KOP   |                         |         |          | Open Hole | 6.125 | Casing Vol. (bbl)  | 73.2         |                |              |
| Carry Fluid Weight (ppg) |              |        | 8.4                             |       | Propanant Content (ppa) |         |          |           |       | Max Drill Out Size | 0            |                |              |
|                          |              |        |                                 |       |                         |         |          |           |       |                    |              |                |              |
|                          | Comm. Number |        | Description                     |       |                         | Depth   | Length   | OD        | ID    | Ball Seat ID       | Shear Press. | Max Rate (BPM) | Displ. (BBL) |
| Liner Top                | 1            |        | JR Setting Sleeve w/ RH Profile |       |                         | 1912.06 | 4.00     | 5.750     | 4.750 |                    |              |                |              |

|              |         |                                  |         |         |       |       |       |      |     |    |
|--------------|---------|----------------------------------|---------|---------|-------|-------|-------|------|-----|----|
| Zone Length  |         |                                  |         |         |       |       |       |      |     |    |
|              | 2       | S-3 Liner Top Packer             | 1916.06 | 4.62    | 5.813 | 3.875 |       |      |     |    |
| 20<br>218.51 | 3       | 4.5" LTC Spacer Nipple w/ Collar | 1920.68 | 6.03    | 4.500 | 4.000 |       |      |     |    |
|              | 27 Jts  | 4-1/2" 11.6# LTC J-55 Casing     | 1926.71 | 1137.33 | 4.500 | 4.000 |       |      |     |    |
| 19<br>218.32 | #20     | 582 Open Hole Packer             | 3064.04 | 3.89    | 5.820 | 3.875 |       | 2154 |     |    |
|              | 2 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 3067.93 | 84.33   | 4.500 | 4.000 |       |      |     |    |
| 18<br>218.46 | Zone 20 | 3.625" EX Frac Sleeve            | 3152.26 | 3.90    | 5.750 | 3.875 | 3.525 | 1524 | 253 | 73 |
|              | 3 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 3156.16 | 126.39  | 4.500 | 4.000 |       |      |     |    |
| 17<br>218.23 | #19     | 582 Open Hole Packer             | 3282.55 | 3.89    | 5.820 | 3.875 |       | 2154 |     |    |
|              | 2 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 3286.44 | 84.21   | 4.500 | 4.000 |       |      |     |    |
| 16<br>260.50 | Zone 19 | 3.500" EX Frac Sleeve            | 3370.65 | 3.90    | 5.750 | 3.875 | 3.400 | 1524 | 236 | 73 |
|              | 3 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 3374.55 | 126.32  | 4.500 | 4.000 |       |      |     |    |
| 15<br>218.43 | #18     | 582 Open Hole Packer             | 3500.87 | 3.89    | 5.820 | 3.875 |       | 2154 |     |    |
|              | 2 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 3504.76 | 84.24   | 4.500 | 4.000 |       |      |     |    |
| 14<br>262.07 | Zone 18 | 3.375" EX Frac Sleeve            | 3589.00 | 3.90    | 5.750 | 3.875 | 3.275 | 1524 | 219 | 73 |
|              | 3 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 3592.90 | 126.43  | 4.500 | 4.000 |       |      |     |    |
| 13<br>220.96 | #17     | 582 Open Hole Packer             | 3719.33 | 3.89    | 5.820 | 3.875 |       | 2154 |     |    |
|              | 2 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 3723.22 | 84.11   | 4.500 | 4.000 |       |      |     |    |
|              | Zone 17 | 3.250" EX Frac Sleeve            | 3807.33 | 3.90    | 5.750 | 3.875 | 3.150 | 1524 | 202 | 73 |
|              | 3 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 3811.23 | 126.33  | 4.500 | 4.000 |       |      |     |    |
|              | #16     | 582 Open Hole Packer             | 3937.56 | 3.89    | 5.820 | 3.875 |       | 2154 |     |    |
|              | 3 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 3941.45 | 126.36  | 4.500 | 4.000 |       |      |     |    |
|              | Zone 16 | 3.125" EX Frac Sleeve            | 4067.81 | 3.90    | 5.750 | 3.875 | 3.025 | 1524 | 186 | 73 |
|              | 3 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 4071.71 | 126.35  | 4.500 | 4.000 |       |      |     |    |
|              | #15     | 582 Open Hole Packer             | 4198.06 | 3.89    | 5.820 | 3.875 |       | 2154 |     |    |
|              | 2 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 4201.95 | 84.22   | 4.500 | 4.000 |       |      |     |    |
|              | Zone 15 | 3.000" EX Frac Sleeve            | 4286.17 | 3.90    | 5.750 | 3.875 | 2.900 | 1524 | 171 | 73 |
|              | 3 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 4290.07 | 126.42  | 4.500 | 4.000 |       |      |     |    |
|              | #14     | 582 Open Hole Packer             | 4416.49 | 3.89    | 5.820 | 3.875 |       | 2154 |     |    |
|              | 3 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 4420.38 | 126.32  | 4.500 | 4.000 |       |      |     |    |
|              | Zone 14 | 2.875" EX Frac Sleeve            | 4546.70 | 3.90    | 5.750 | 3.875 | 2.775 | 1524 | 157 | 73 |
|              | 3 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 4550.60 | 127.96  | 4.500 | 4.000 |       |      |     |    |
|              | #13     | 582 Open Hole Packer             | 4678.56 | 3.89    | 5.820 | 3.875 |       | 2154 |     |    |
|              | 2 Jts   | 4-1/2" 11.6# LTC J-55 Casing     | 4682.45 | 85.21   | 4.500 | 4.000 |       |      |     |    |

Operating Company Mewbourne Oil Company  
 Well Name & Number #1H  
 Sales Ticket Number 5286041-1  
 Date 2/14/2013

Company Rep 0  
 Field Wyatt Draw 13 NC  
 BOT Service Rep 0  
 District Location Odessa, Texas, USA.



|            | Size  | Weight | Grade | ID    | Drift | Thread | Capacity | Length   | Burst | Collapse |
|------------|-------|--------|-------|-------|-------|--------|----------|----------|-------|----------|
| Casing     | 7.000 | 26.00  | 55000 | 6.276 | 6.151 | LT&C   | 0.03826  | 2,148.00 | 4,980 | 4,330    |
| Top Liner  | 4.500 | 11.60  | 55000 | 4.000 | 3.875 | LT&C   | 0.01554  | 5,612.94 | 5,350 | 4,960    |
| Bott Liner | 0.000 | 0.00   | 0     | 0.000 | 0.000 | 0      | 0.00000  | -        | -     | -        |

|                          |     |                      |  |           |       |                    |      |
|--------------------------|-----|----------------------|--|-----------|-------|--------------------|------|
| TVD                      |     | KOP                  |  | Open Hole | 6.125 | Casing Vol. (bbl)  | 73.2 |
| Carry Fluid Weight (ppg) | 8.4 | Propan Content (ppa) |  |           |       | Max Drill Out Size | 0    |

|              | Comm. Number | Description                  | Depth   | Length | OD    | ID    | Ball Seat ID | Shear Press. | Max Rate (BPM) | Displ. (BBL) |
|--------------|--------------|------------------------------|---------|--------|-------|-------|--------------|--------------|----------------|--------------|
| 12<br>261.38 | Zone 13      | 2.750" EX Frac Sleeve        | 4767.66 | 3.90   | 5.750 | 3.875 | 2.650        | 1524         | 143            | 73           |
|              | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 4771.56 | 127.96 | 4.500 | 4.000 |              |              |                |              |
|              | #12          | 582 Open Hole Packer         | 4899.52 | 3.89   | 5.820 | 3.875 |              | 2154         |                |              |
| 11<br>218.09 | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 4903.41 | 127.52 | 4.500 | 4.000 |              |              |                |              |
|              | Zone 12      | 2.625" EX Frac Sleeve        | 5030.93 | 3.90   | 5.750 | 3.875 | 2.525        | 1524         | 130            | 73           |
|              | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 5034.83 | 126.07 | 4.500 | 4.000 |              |              |                |              |
| 10<br>218.14 | #11          | 582 Open Hole Packer         | 5160.90 | 3.89   | 5.820 | 3.875 |              | 2154         |                |              |
|              | 2 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 5164.79 | 83.96  | 4.500 | 4.000 |              |              |                |              |
|              | Zone 11      | 2.500" EX Frac Sleeve        | 5248.75 | 3.90   | 5.750 | 3.875 | 2.400        | 1524         | 117            | 73           |
| 9<br>261.52  | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 5252.65 | 126.34 | 4.500 | 4.000 |              |              |                |              |
|              | #10          | 582 Open Hole Packer         | 5378.99 | 3.89   | 5.820 | 3.875 |              | 2154         |                |              |
|              | 2 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 5382.88 | 84.30  | 4.500 | 4.000 |              |              |                |              |
| 8<br>218.19  | Zone 10      | 2.375" EX Frac Sleeve        | 5467.18 | 3.90   | 5.750 | 3.875 | 2.275        | 1524         | 105            | 73           |
|              | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 5471.08 | 126.05 | 4.500 | 4.000 |              |              |                |              |
|              | #9           | 582 Open Hole Packer         | 5597.13 | 3.89   | 5.820 | 3.875 |              | 2154         |                |              |
| 7<br>217.86  | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 5601.02 | 127.32 | 4.500 | 4.000 |              |              |                |              |
|              | Zone 9       | 2.250" EX Frac Sleeve        | 5728.34 | 3.90   | 5.750 | 3.875 | 2.150        | 1524         | 94             | 73           |
|              | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 5732.24 | 126.41 | 4.500 | 4.000 |              |              |                |              |
| 6<br>218.29  | #8           | 582 Open Hole Packer         | 5858.65 | 3.89   | 5.820 | 3.875 |              | 2154         |                |              |
|              | 2 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 5862.54 | 84.28  | 4.500 | 4.000 |              |              |                |              |
|              | Zone 8       | 2.125" EX Frac Sleeve        | 5946.82 | 3.90   | 5.750 | 3.875 | 2.025        | 1524         | 84             | 73           |
| 5<br>261.08  | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 5950.72 | 126.12 | 4.500 | 4.000 |              |              |                |              |
|              | #7           | 582 Open Hole Packer         | 6076.84 | 3.89   | 5.820 | 3.875 |              | 2154         |                |              |
|              | 2 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 6080.73 | 84.24  | 4.500 | 4.000 |              |              |                |              |
| 4<br>219.77  | Zone 7       | 2.000" EX Frac Sleeve        | 6164.97 | 3.90   | 5.750 | 3.875 | 1.900        | 1524         | 74             | 73           |
|              | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 6168.87 | 125.83 | 4.500 | 4.000 |              |              |                |              |
|              | #6           | 582 Open Hole Packer         | 6294.70 | 3.89   | 5.820 | 3.875 |              | 2154         |                |              |
|              | 2 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 6298.59 | 84.13  | 4.500 | 4.000 |              |              |                |              |
|              | Zone 6       | 1.875" EX Frac Sleeve        | 6382.72 | 3.90   | 5.750 | 3.875 | 1.775        | 1524         | 84             | 73           |
|              | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 6386.62 | 126.37 | 4.500 | 4.000 |              |              |                |              |
|              | #5           | 582 Open Hole Packer         | 6512.99 | 3.89   | 5.820 | 3.875 |              | 2154         |                |              |
|              | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 6516.88 | 126.39 | 4.500 | 4.000 |              |              |                |              |
|              | Zone 5       | 1.750" EX Frac Sleeve        | 6643.27 | 3.90   | 5.750 | 3.875 | 1.650        | 1524         | 55             | 73           |
|              | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 6647.17 | 126.90 | 4.500 | 4.000 |              |              |                |              |
|              | #4           | 582 Open Hole Packer         | 6774.07 | 3.89   | 5.820 | 3.875 |              | 2154         |                |              |
|              | 2 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 6777.96 | 84.66  | 4.500 | 4.000 |              |              |                |              |
|              | Zone 4       | 1.625" EX Frac Sleeve        | 6862.62 | 3.90   | 5.750 | 3.875 | 1.525        | 1524         | 47             | 73           |
|              | 3 Jts        | 4-1/2" 11.6# LTC J-55 Casing | 6866.52 | 127.32 | 4.500 | 4.000 |              |              |                |              |

|                   |                    |
|-------------------|--------------------|
| Company Rep       | 0                  |
| Field             | Wyatt Draw 13 NC   |
| BOT Service Rep   | 0                  |
| District Location | Odessa, Texas, USA |

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