

OPERATOR MEWBOURNE  
WELL/LEASE BURTON 4 FED COM 4H  
COUNTY EDDY

045-0084

STATE OF NEW MEXICO  
DEVIATION REPORT

30-015-40204

|       |      |
|-------|------|
| 300   | 1.73 |
| 596   | 2.00 |
| 716   | 2.94 |
| 841   | 3.34 |
| 1,096 | 3.34 |
| 1,222 | 2.67 |
| 1,410 | 2.61 |
| 1,535 | 1.65 |
| 1,727 | 1.48 |
| 3,496 | 0.55 |
| 3,909 | 0.19 |
| 4,321 | 1.77 |
| 4,449 | 2.24 |
| 4,578 | 1.86 |
| 4,703 | 2.34 |
| 4,830 | 1.91 |
| 5,084 | 1.85 |
| 5,214 | 1.41 |
| 5,374 | 0.74 |
| 5,595 | 0.59 |
| 5,882 | 0.91 |
| 6,136 | 1.72 |
| 6,264 | 1.04 |
| 6,386 | 1.08 |
| 6,513 | 1.03 |
| 6,765 | 0.97 |
| 7,178 | 0.78 |

STATE OF TEXAS

COUNTY OF MIDLAND

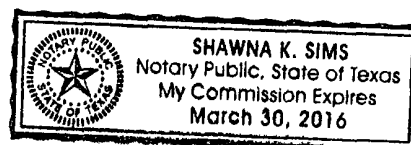
BY.

*Kyle Hollingsworth*

The foregoing instrument was acknowledged before me on  
Kyle Hollingsworth on behalf of Patterson-UTI Drilling Company LLC

7/17/12, by

*Shawna Sims*  
Notary Public for Midland County, Texas  
My Commission Expires:





Company: Mewbourne Oil Company

Lease/Well: Burton 4 Federal Com/4H

Location: S4 T20s R29e

Rig Name: Patterson 45

State/County: New Mexico/Eddy

Latitude: 32.60

GRID North is 0.14 Degrees East of True North

VS-Azi: 270.18 Degrees



RECEIVED  
AUG 07 2012  
NMOCD ARTESIA

Depth Reference : RKB = 18 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...ederal com #4h\_gyro survey.ut

Minimum Curvature Method

Report Date/Time: 6/25/2012 / 16:22

Vaughn Energy Services

(432) 563-5444

Gardendale, TX

Surveyor: Colby Ware

Burton 4 Federal Com 4H / API 30-015-40204

| 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                        | ****                          |
| 200.00                  | 0.97                 | 36.27                     | 199.99    | 1.37        | 1.01        | -1.00                     | 1.70                      | 36.27                       | 0.49                          |
| 400.00                  | 1.72                 | 47.87                     | 399.93    | 4.76        | 4.24        | -4.22                     | 6.37                      | 41.71                       | 0.40                          |
| 600.00                  | 2.32                 | 49.37                     | 599.81    | 9.41        | 9.54        | -9.51                     | 13.40                     | 45.40                       | 0.30                          |
| 800.00                  | 3.26                 | 52.81                     | 799.57    | 15.48       | 17.14       | -17.09                    | 23.10                     | 47.91                       | 0.47                          |
| 1000.00                 | 3.35                 | 54.27                     | 999.24    | 22.33       | 26.41       | -26.34                    | 34.58                     | 49.79                       | 0.06                          |
| 1200.00                 | 2.94                 | 59.35                     | 1198.94   | 28.35       | 35.56       | -35.47                    | 45.48                     | 51.44                       | 0.25                          |
| 1400.00                 | 2.40                 | 71.93                     | 1398.72   | 32.26       | 43.95       | -43.85                    | 54.52                     | 53.72                       | 0.39                          |
| 1600.00                 | 0.81                 | 84.05                     | 1598.64   | 33.71       | 49.35       | -49.24                    | 59.76                     | 55.66                       | 0.81                          |
| 1800.00                 | 0.72                 | 82.90                     | 1798.62   | 34.01       | 52.00       | -51.89                    | 62.14                     | 56.81                       | 0.05                          |
| 2000.00                 | 0.55                 | 85.80                     | 1998.61   | 34.24       | 54.21       | -54.10                    | 64.11                     | 57.72                       | 0.08                          |
| 2200.00                 | 1.07                 | 75.35                     | 2198.59   | 34.78       | 56.97       | -56.86                    | 66.74                     | 58.60                       | 0.27                          |
| 2400.00                 | 1.33                 | 71.27                     | 2398.54   | 35.99       | 60.97       | -60.86                    | 70.80                     | 59.44                       | 0.14                          |
| 2600.00                 | 1.02                 | 63.21                     | 2598.50   | 37.55       | 64.77       | -64.65                    | 74.86                     | 59.90                       | 0.18                          |
| 2800.00                 | 0.82                 | 55.73                     | 2798.47   | 39.15       | 67.54       | -67.42                    | 78.07                     | 59.90                       | 0.12                          |
| 3000.00                 | 0.59                 | 50.26                     | 2998.46   | 40.62       | 69.52       | -69.39                    | 80.52                     | 59.70                       | 0.12                          |
| 3200.00                 | 0.69                 | 47.28                     | 3198.45   | 42.10       | 71.20       | -71.06                    | 82.71                     | 59.40                       | 0.05                          |
| 3400.00                 | 0.81                 | 28.47                     | 3398.43   | 44.15       | 72.75       | -72.61                    | 85.10                     | 58.75                       | 0.14                          |
| 3600.00                 | 0.36                 | 8.71                      | 3598.42   | 46.01       | 73.52       | -73.37                    | 86.73                     | 57.96                       | 0.24                          |
| 3800.00                 | 0.22                 | 330.83                    | 3798.42   | 46.96       | 73.42       | -73.27                    | 87.15                     | 57.40                       | 0.11                          |
| 4000.00                 | 0.91                 | 278.77                    | 3998.41   | 47.54       | 71.67       | -71.52                    | 86.00                     | 56.44                       | 0.39                          |

| 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 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 4200.00                 | 1.50                 | 265.46                    | 4198.36   | 47.58       | 67.49       | -67.34                    | 82.57                     | 54.82                       | 0.33                          |
| 4400.00                 | 1.96                 | 261.43                    | 4398.27   | 46.86       | 61.49       | -61.34                    | 77.31                     | 52.69                       | 0.24                          |
| 4600.00                 | 2.11                 | 260.89                    | 4598.14   | 45.77       | 54.46       | -54.32                    | 71.14                     | 49.96                       | 0.08                          |
| 4800.00                 | 2.18                 | 256.66                    | 4798.00   | 44.30       | 47.12       | -46.98                    | 64.68                     | 46.76                       | 0.09                          |
| 5000.00                 | 1.62                 | 262.85                    | 4997.89   | 43.07       | 40.61       | -40.48                    | 59.20                     | 43.32                       | 0.30                          |
| 5200.00                 | 1.24                 | 273.17                    | 5197.83   | 42.84       | 35.65       | -35.51                    | 55.74                     | 39.76                       | 0.23                          |
| 5400.00                 | 0.91                 | 276.18                    | 5397.79   | 43.13       | 31.90       | -31.77                    | 53.65                     | 36.49                       | 0.17                          |
| 5600.00                 | 0.62                 | 294.41                    | 5597.78   | 43.75       | 29.34       | -29.20                    | 52.68                     | 33.85                       | 0.19                          |
| 5800.00                 | 0.53                 | 304.64                    | 5797.77   | 44.73       | 27.59       | -27.45                    | 52.55                     | 31.67                       | 0.07                          |
| 6000.00                 | 0.90                 | 296.06                    | 5997.75   | 45.94       | 25.42       | -25.28                    | 52.51                     | 28.96                       | 0.19                          |
| 6200.00                 | 1.13                 | 291.56                    | 6197.72   | 47.35       | 22.19       | -22.04                    | 52.29                     | 25.11                       | 0.12                          |
| 6400.00                 | 1.28                 | 276.20                    | 6397.67   | 48.32       | 18.13       | -17.98                    | 51.61                     | 20.57                       | 0.18                          |
| 6600.00                 | 1.27                 | 256.10                    | 6597.63   | 48.02       | 13.74       | -13.59                    | 49.95                     | 15.97                       | 0.22                          |
| 6800.00                 | 1.18                 | 245.91                    | 6797.58   | 46.65       | 9.70        | -9.55                     | 47.64                     | 11.75                       | 0.12                          |
| 7000.00                 | 1.29                 | 247.39                    | 6997.53   | 44.93       | 5.73        | -5.59                     | 45.30                     | 7.27                        | 0.06                          |
| 7200.00                 | 1.07                 | 258.17                    | 7197.49   | 43.69       | 1.82        | -1.69                     | 43.72                     | 2.39                        | 0.16                          |
| 7280.00                 | 0.88                 | 258.76                    | 7277.48   | 43.41       | 0.49        | -0.36                     | 43.42                     | 0.65                        | 0.23                          |

# **Mewbourne Oil Co**

**Eddy County, New Mexico**

**Sec 4-20S-29E**

**Burton 4 Fed Com #4H**

**Wellbore #1**

**Survey: MWD**

## **DDC Survey Report**

**09 July, 2012**



# DDC Survey Report



|                  |                         |                                     |                                   |
|------------------|-------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Burton 4 Fed Com #4H         |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3350.0usft (Patterson #45) |
| <b>Site:</b>     | Sec 4-20S-29E           | <b>MD Reference:</b>                | WELL @ 3350.0usft (Patterson #45) |
| <b>Well:</b>     | Burton 4 Fed Com #4H    | <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>System Datum:</b> | Mean Sea Level |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) |                      |                |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|                              |               |                          |                  |
|------------------------------|---------------|--------------------------|------------------|
| <b>Site:</b>                 | Sec 4-20S-29E |                          |                  |
| <b>Site Position:</b>        |               | <b>Northing:</b>         | 583,552.10 usft  |
| <b>From:</b>                 | Map           | <b>Easting:</b>          | 580,468.00 usft  |
| <b>Position Uncertainty:</b> | 0.0 usft      | <b>Slot Radius:</b>      | 13-3/16 "        |
|                              |               | <b>Latitude:</b>         | 32° 36' 14.464 N |
|                              |               | <b>Longitude:</b>        | 104° 4' 19.299 W |
|                              |               | <b>Grid Convergence:</b> | 0.14 °           |

|                             |                      |                            |                  |                                   |
|-----------------------------|----------------------|----------------------------|------------------|-----------------------------------|
| <b>Well:</b>                | Burton 4 Fed Com #4H |                            |                  |                                   |
| <b>Well Position</b>        | <b>+N/-S</b>         | 0.0 usft                   | <b>Northing:</b> | 583,552.10 usft                   |
|                             | <b>+E/-W</b>         | 0.0 usft                   | <b>Easting:</b>  | 580,468.00 usft                   |
| <b>Position Uncertainty</b> | 0.0 usft             | <b>Wellhead Elevation:</b> | usft             | <b>Ground Level:</b> 3,330.0 usft |

|           |             |             |             |           |                |
|-----------|-------------|-------------|-------------|-----------|----------------|
| Wellbore  | Wellbore #1 |             |             |           |                |
| Magnetics | Model Name  | Sample Date | Declination | Dip Angle | Field Strength |
|           |             |             | (°)         | (°)       | (nT)           |
|           | IGRF2010    | 6/12/2012   | 7.72        | 60.43     | 48,691         |

|                     |             |                      |        |
|---------------------|-------------|----------------------|--------|
| <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> | <b>Direction</b> |
|                          | (usft)                  | (usft)       | (usft)       | (°)              |
|                          | 0.0                     | 0.0          | 0.0          | 270.18           |

| Survey Program |              | Date: 7/9/2012     |             |                |
|----------------|--------------|--------------------|-------------|----------------|
| From<br>(usft) | To<br>(usft) | Survey (Wellbore)  | Tool Name   | Description    |
| 200.0          | 7,280.0      | Gyro (Wellbore #1) | Good_gyro   | Good Gyro      |
| 7,418.0        | 12,350.0     | MWD (Wellbore #1)  | MWD default | 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)      |
| <b>TIE IN @ 7280' MD / 7278' TVD</b>            |                    |                |                       |              |              |                         |                    |                   |                  |
| 7,280.0                                         | 0.88               | 258.76         | 7,277.5               | 43.4         | 0.5          | -0.4                    | 0.00               | 0.00              | 0.00             |
| <b>CROSSED HARD LINE @ 7315' MD / 7313' TVD</b> |                    |                |                       |              |              |                         |                    |                   |                  |
| 7,315.0                                         | 1.17               | 250.37         | 7,312.5               | 43.3         | -0.1         | 0.2                     | 0.94               | 0.84              | -23.97           |
| 7,418.0                                         | 2.10               | 240.00         | 7,415.4               | 42.0         | -2.7         | 2.8                     | 0.94               | 0.90              | -10.07           |
| 7,450.0                                         | 1.90               | 238.00         | 7,447.4               | 41.4         | -3.7         | 3.8                     | 0.66               | -0.63             | -6.25            |
| 7,482.0                                         | 4.20               | 257.50         | 7,479.4               | 40.9         | -5.2         | 5.4                     | 7.78               | 7.19              | 60.94            |
| 7,513.0                                         | 7.60               | 263.70         | 7,510.2               | 40.4         | -8.4         | 8.5                     | 11.14              | 10.97             | 20.00            |
| 7,545.0                                         | 10.70              | 267.60         | 7,541.8               | 40.0         | -13.5        | 13.6                    | 9.87               | 9.69              | 12.19            |

DDC  
Survey Report



Company: Mewbourne Oil Co  
Project: Eddy County, New Mexico  
Site: Sec 4-20S-29E  
Well: Burton 4 Fed Com #4H  
Wellbore: Wellbore #1  
Design: Wellbore #1

Local Co-ordinate Reference: Well Burton 4 Fed Com #4H  
TVD Reference: WELL @ 3350.0usft (Patterson #45)  
MD Reference: WELL @ 3350.0usft (Patterson #45)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: EDM 5000.1 Single User Db

Survey

| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 7,577.0                     | 14.30              | 270.40         | 7,573.0                     | 39.9            | -20.4           | 20.5                          | 11.41                         | 11.25                        | 8.75                        |
| 7,609.0                     | 17.60              | 271.30         | 7,603.8                     | 40.1            | -29.2           | 29.3                          | 10.34                         | 10.31                        | 2.81                        |
| 7,640.0                     | 20.70              | 271.40         | 7,633.1                     | 40.3            | -39.3           | 39.5                          | 10.00                         | 10.00                        | 0.32                        |
| 7,672.0                     | 23.40              | 270.20         | 7,662.7                     | 40.5            | -51.4           | 51.5                          | 8.55                          | 8.44                         | -3.75                       |
| 7,704.0                     | 26.90              | 267.20         | 7,691.7                     | 40.1            | -64.9           | 65.1                          | 11.64                         | 10.94                        | -9.38                       |
| 7,735.0                     | 30.90              | 264.80         | 7,718.8                     | 39.1            | -79.9           | 80.0                          | 13.43                         | 12.90                        | -7.74                       |
| 7,767.0                     | 34.50              | 264.40         | 7,745.7                     | 37.4            | -97.1           | 97.2                          | 11.27                         | 11.25                        | -1.25                       |
| 7,799.0                     | 37.60              | 265.30         | 7,771.6                     | 35.8            | -115.8          | 116.0                         | 9.83                          | 9.69                         | 2.81                        |
| 7,831.0                     | 41.20              | 266.30         | 7,796.3                     | 34.3            | -136.1          | 136.2                         | 11.42                         | 11.25                        | 3.13                        |
| 7,863.0                     | 44.90              | 267.70         | 7,819.7                     | 33.1            | -157.9          | 158.0                         | 11.94                         | 11.56                        | 4.38                        |
| 7,894.0                     | 49.20              | 267.90         | 7,840.8                     | 32.3            | -180.6          | 180.7                         | 13.88                         | 13.87                        | 0.65                        |
| 7,926.0                     | 53.00              | 268.30         | 7,860.9                     | 31.4            | -205.5          | 205.6                         | 11.91                         | 11.88                        | 1.25                        |
| 7,958.0                     | 56.70              | 268.10         | 7,879.3                     | 30.6            | -231.6          | 231.7                         | 11.57                         | 11.56                        | -0.63                       |
| 7,990.0                     | 60.70              | 267.90         | 7,896.0                     | 29.7            | -258.9          | 259.0                         | 12.51                         | 12.50                        | -0.63                       |
| 8,021.0                     | 64.80              | 267.90         | 7,910.2                     | 28.7            | -286.5          | 286.6                         | 13.23                         | 13.23                        | 0.00                        |
| 8,053.0                     | 69.40              | 267.90         | 7,922.6                     | 27.6            | -315.9          | 316.0                         | 14.38                         | 14.38                        | 0.00                        |
| 8,085.0                     | 72.60              | 268.30         | 7,933.0                     | 26.6            | -346.1          | 346.2                         | 10.07                         | 10.00                        | 1.25                        |
| 8,117.0                     | 76.30              | 268.10         | 7,941.6                     | 25.6            | -377.0          | 377.0                         | 11.58                         | 11.56                        | -0.63                       |
| 8,148.0                     | 80.40              | 267.90         | 7,947.9                     | 24.6            | -407.3          | 407.4                         | 13.24                         | 13.23                        | -0.65                       |
| 8,180.0                     | 84.40              | 268.10         | 7,952.1                     | 23.4            | -439.0          | 439.1                         | 12.52                         | 12.50                        | 0.63                        |
| 8,190.0                     | 85.00              | 268.10         | 7,953.0                     | 23.1            | -448.9          | 449.0                         | 6.00                          | 6.00                         | 0.00                        |
| 8,255.0                     | 88.90              | 271.30         | 7,956.5                     | 22.8            | -513.8          | 513.9                         | 7.76                          | 6.00                         | 4.92                        |
| 8,287.0                     | 88.80              | 268.30         | 7,957.1                     | 22.7            | -545.8          | 545.9                         | 9.38                          | -0.31                        | -9.38                       |
| 8,350.0                     | 89.10              | 267.90         | 7,958.3                     | 20.6            | -608.8          | 608.8                         | 0.79                          | 0.48                         | -0.63                       |
| 8,413.0                     | 90.30              | 267.70         | 7,958.6                     | 18.2            | -671.7          | 671.8                         | 1.93                          | 1.90                         | -0.32                       |
| 8,477.0                     | 89.30              | 268.10         | 7,958.8                     | 15.8            | -735.7          | 735.7                         | 1.68                          | -1.56                        | 0.63                        |
| 8,540.0                     | 90.20              | 268.80         | 7,959.1                     | 14.1            | -798.7          | 798.7                         | 1.81                          | 1.43                         | 1.11                        |
| 8,604.0                     | 89.70              | 268.60         | 7,959.2                     | 12.7            | -862.6          | 862.7                         | 0.84                          | -0.78                        | -0.31                       |
| 8,668.0                     | 91.90              | 270.00         | 7,958.3                     | 11.9            | -926.6          | 926.7                         | 4.07                          | 3.44                         | 2.19                        |
| 8,700.0                     | 91.40              | 269.50         | 7,957.3                     | 11.7            | -958.6          | 958.6                         | 2.21                          | -1.56                        | -1.56                       |
| 8,764.0                     | 91.10              | 269.10         | 7,955.9                     | 11.0            | -1,022.6        | 1,022.6                       | 0.78                          | -0.47                        | -0.63                       |
| 8,828.0                     | 91.40              | 269.10         | 7,954.5                     | 10.0            | -1,086.6        | 1,086.6                       | 0.47                          | 0.47                         | 0.00                        |
| 8,890.0                     | 90.60              | 269.10         | 7,953.5                     | 9.0             | -1,148.5        | 1,148.6                       | 1.29                          | -1.29                        | 0.00                        |
| 8,954.0                     | 89.70              | 269.90         | 7,953.3                     | 8.4             | -1,212.5        | 1,212.6                       | 1.88                          | -1.41                        | 1.25                        |
| 9,018.0                     | 89.60              | 270.20         | 7,953.7                     | 8.5             | -1,276.5        | 1,276.6                       | 0.49                          | -0.16                        | 0.47                        |
| 9,081.0                     | 89.10              | 269.90         | 7,954.4                     | 8.5             | -1,339.5        | 1,339.6                       | 0.93                          | -0.79                        | -0.48                       |
| 9,144.0                     | 88.90              | 269.50         | 7,955.5                     | 8.2             | -1,402.5        | 1,402.5                       | 0.71                          | -0.32                        | -0.63                       |
| 9,208.0                     | 89.70              | 269.30         | 7,956.3                     | 7.5             | -1,466.5        | 1,466.5                       | 1.29                          | 1.25                         | -0.31                       |
| 9,272.0                     | 90.40              | 270.00         | 7,956.2                     | 7.1             | -1,530.5        | 1,530.5                       | 1.55                          | 1.09                         | 1.09                        |
| 9,335.0                     | 90.20              | 269.70         | 7,955.9                     | 7.0             | -1,593.5        | 1,593.5                       | 0.57                          | -0.32                        | -0.48                       |
| 9,399.0                     | 91.00              | 269.70         | 7,955.2                     | 6.6             | -1,657.5        | 1,657.5                       | 1.25                          | 1.25                         | 0.00                        |
| 9,462.0                     | 91.40              | 269.10         | 7,953.9                     | 6.0             | -1,720.5        | 1,720.5                       | 1.14                          | 0.63                         | -0.95                       |
| 9,526.0                     | 91.00              | 269.90         | 7,952.6                     | 5.4             | -1,784.5        | 1,784.5                       | 1.40                          | -0.63                        | 1.25                        |

# DDC Survey Report



Company: Mewbourne Oil Co  
Project: Eddy County, New Mexico  
Site: Sec 4-20S-29E  
Well: Burton 4 Fed Com #4H  
Wellbore: Wellbore #1  
Design: Wellbore #1

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well Burton 4 Fed Com #4H  
WELL @ 3350.0usft (Patterson #45)  
WELL @ 3350.0usft (Patterson #45)  
Grid  
Minimum Curvature  
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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 9,589.0               | 91.60           | 270.20      | 7,951.1               | 5.5          | -1,847.5     | 1,847.5                 | 1.06                    | 0.95                   | 0.48                  |
| 9,653.0               | 90.80           | 270.20      | 7,949.8               | 5.7          | -1,911.4     | 1,911.4                 | 1.25                    | -1.25                  | 0.00                  |
| 9,716.0               | 90.70           | 270.30      | 7,949.0               | 6.0          | -1,974.4     | 1,974.4                 | 0.22                    | -0.16                  | 0.16                  |
| 9,780.0               | 90.80           | 269.50      | 7,948.1               | 5.9          | -2,038.4     | 2,038.4                 | 1.26                    | 0.16                   | -1.25                 |
| 9,843.0               | 90.40           | 269.30      | 7,947.5               | 5.2          | -2,101.4     | 2,101.4                 | 0.71                    | -0.63                  | -0.32                 |
| 9,907.0               | 90.20           | 269.10      | 7,947.1               | 4.3          | -2,165.4     | 2,165.4                 | 0.44                    | -0.31                  | -0.31                 |
| 9,971.0               | 90.00           | 268.30      | 7,947.0               | 2.9          | -2,229.4     | 2,229.4                 | 1.29                    | -0.31                  | -1.25                 |
| 10,034.0              | 89.80           | 267.90      | 7,947.1               | 0.8          | -2,292.4     | 2,292.4                 | 0.71                    | -0.32                  | -0.63                 |
| 10,098.0              | 89.30           | 269.10      | 7,947.6               | -0.9         | -2,356.3     | 2,356.3                 | 2.03                    | -0.78                  | 1.88                  |
| 10,162.0              | 89.90           | 270.00      | 7,948.1               | -1.4         | -2,420.3     | 2,420.3                 | 1.69                    | 0.94                   | 1.41                  |
| 10,226.0              | 90.10           | 269.50      | 7,948.1               | -1.7         | -2,484.3     | 2,484.3                 | 0.84                    | 0.31                   | -0.78                 |
| 10,289.0              | 91.20           | 269.50      | 7,947.4               | -2.2         | -2,547.3     | 2,547.3                 | 1.75                    | 1.75                   | 0.00                  |
| 10,353.0              | 91.40           | 269.00      | 7,945.9               | -3.1         | -2,611.3     | 2,611.3                 | 0.84                    | 0.31                   | -0.78                 |
| 10,416.0              | 91.50           | 269.30      | 7,944.3               | -4.0         | -2,674.3     | 2,674.2                 | 0.50                    | 0.16                   | 0.48                  |
| 10,480.0              | 92.10           | 269.90      | 7,942.3               | -4.5         | -2,738.2     | 2,738.2                 | 1.33                    | 0.94                   | 0.94                  |
| 10,543.0              | 91.30           | 270.90      | 7,940.5               | -4.0         | -2,801.2     | 2,801.2                 | 2.03                    | -1.27                  | 1.59                  |
| 10,607.0              | 91.40           | 271.10      | 7,938.9               | -2.9         | -2,865.2     | 2,865.2                 | 0.35                    | 0.16                   | 0.31                  |
| 10,670.0              | 91.40           | 270.00      | 7,937.4               | -2.3         | -2,928.2     | 2,928.1                 | 1.75                    | 0.00                   | -1.75                 |
| 10,733.0              | 90.20           | 270.90      | 7,936.5               | -1.8         | -2,991.1     | 2,991.1                 | 2.38                    | -1.90                  | 1.43                  |
| 10,796.0              | 89.50           | 271.30      | 7,936.7               | -0.6         | -3,054.1     | 3,054.1                 | 1.28                    | -1.11                  | 0.63                  |
| 10,860.0              | 89.80           | 270.70      | 7,937.1               | 0.5          | -3,118.1     | 3,118.1                 | 1.05                    | 0.47                   | -0.94                 |
| 10,923.0              | 89.90           | 269.90      | 7,937.2               | 0.9          | -3,181.1     | 3,181.1                 | 1.28                    | 0.16                   | -1.27                 |
| 10,986.0              | 90.00           | 269.00      | 7,937.3               | 0.2          | -3,244.1     | 3,244.1                 | 1.44                    | 0.16                   | -1.43                 |
| 11,050.0              | 90.00           | 268.80      | 7,937.3               | -1.0         | -3,308.1     | 3,308.1                 | 0.31                    | 0.00                   | -0.31                 |
| 11,113.0              | 89.90           | 268.80      | 7,937.4               | -2.3         | -3,371.1     | 3,371.1                 | 0.16                    | -0.16                  | 0.00                  |
| 11,175.0              | 89.60           | 270.40      | 7,937.6               | -2.7         | -3,433.1     | 3,433.1                 | 2.63                    | -0.48                  | 2.58                  |
| 11,239.0              | 89.60           | 272.30      | 7,938.1               | -1.2         | -3,497.1     | 3,497.0                 | 2.97                    | 0.00                   | 2.97                  |
| 11,301.0              | 89.60           | 272.30      | 7,938.5               | 1.3          | -3,559.0     | 3,559.0                 | 0.00                    | 0.00                   | 0.00                  |
| 11,364.0              | 89.90           | 272.10      | 7,938.8               | 3.7          | -3,622.0     | 3,622.0                 | 0.57                    | 0.48                   | -0.32                 |
| 11,428.0              | 90.80           | 272.30      | 7,938.4               | 6.1          | -3,685.9     | 3,685.9                 | 1.44                    | 1.41                   | 0.31                  |
| 11,491.0              | 90.90           | 272.70      | 7,937.5               | 8.9          | -3,748.9     | 3,748.9                 | 0.65                    | 0.16                   | 0.63                  |
| 11,555.0              | 90.50           | 273.00      | 7,936.7               | 12.1         | -3,812.8     | 3,812.8                 | 0.78                    | -0.63                  | 0.47                  |
| 11,619.0              | 90.40           | 273.40      | 7,936.2               | 15.6         | -3,876.7     | 3,876.7                 | 0.64                    | -0.16                  | 0.63                  |
| 11,683.0              | 89.50           | 273.70      | 7,936.2               | 19.6         | -3,940.5     | 3,940.6                 | 1.48                    | -1.41                  | 0.47                  |
| 11,747.0              | 92.30           | 273.20      | 7,935.2               | 23.5         | -4,004.4     | 4,004.5                 | 4.44                    | 4.38                   | -0.78                 |
| 11,811.0              | 93.70           | 274.20      | 7,931.9               | 27.6         | -4,068.2     | 4,068.3                 | 2.69                    | 2.19                   | 1.56                  |
| 11,874.0              | 93.50           | 274.10      | 7,927.9               | 32.1         | -4,130.9     | 4,131.0                 | 0.35                    | -0.32                  | -0.16                 |
| 11,938.0              | 92.70           | 273.40      | 7,924.5               | 36.3         | -4,194.7     | 4,194.8                 | 1.66                    | -1.25                  | -1.09                 |
| 12,001.0              | 90.80           | 272.00      | 7,922.5               | 39.3         | -4,257.6     | 4,257.7                 | 3.75                    | -3.02                  | -2.22                 |
| 12,064.0              | 89.20           | 271.80      | 7,922.5               | 41.4         | -4,320.5     | 4,320.6                 | 2.56                    | -2.54                  | -0.32                 |
| 12,128.0              | 88.40           | 271.80      | 7,923.9               | 43.4         | -4,384.5     | 4,384.6                 | 1.25                    | -1.25                  | 0.00                  |
| 12,191.0              | 88.80           | 271.10      | 7,925.4               | 45.0         | -4,447.4     | 4,447.6                 | 1.28                    | 0.63                   | -1.11                 |
| 12,254.0              | 89.50           | 271.30      | 7,926.3               | 46.3         | -4,510.4     | 4,510.5                 | 1.16                    | 1.11                   | 0.32                  |
| 12,299.0              | 90.00           | 271.30      | 7,926.5               | 47.3         | -4,555.4     | 4,555.5                 | 1.11                    | 1.11                   | 0.00                  |

**DDC**  
Survey Report



|                  |                         |                                     |                                   |
|------------------|-------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Burton 4 Fed Com #4H         |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3350.0usft (Patterson #45) |
| <b>Site:</b>     | Sec 4-20S-29E           | <b>MD Reference:</b>                | WELL @ 3350.0usft (Patterson #45) |
| <b>Well:</b>     | Burton 4 Fed Com #4H    | <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         |

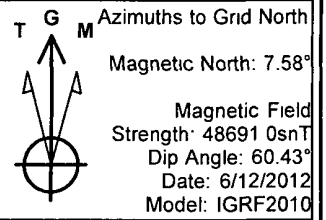
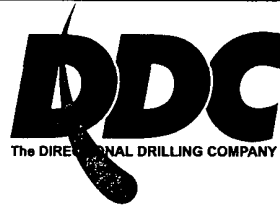
| Survey                     |                 |             |                       |              |              |                         |                         |                        |                       |
|----------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 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) |
| TD @ 12350' MD / 7926' TVD |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,350.0                   | 90 50           | 271 20      | 7,926.3               | 48.4         | -4,606.4     | 4,606.5                 | 1.00                    | 0.98                   | -0 20                 |

| Survey Annotations    |                       |                   |              |                                          |
|-----------------------|-----------------------|-------------------|--------------|------------------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                                  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                          |
| 7,280.0               | 7,277.5               | 43.4              | 0.5          | TIE IN @ 7280' MD / 7278' TVD            |
| 7,315.0               | 7,312.5               | 43.3              | -0.1         | CROSSED HARD LINE @ 7315' MD / 7313' TVD |
| 12,350.0              | 7,926.3               | 48.4              | -4,606.4     | TD @ 12350' MD / 7926' TVD               |

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

Company Name: Mewbourne Oil Co  
Burton 4 Fed Com #4H  
Eddy County, New Mexico  
Rtg. Patterson #45  
Created By: DINA CHANCE  
Date: 7/9/2012

Burton 4 Fed Com #4H  
Eddy County, New Mexico  
Q120022 & WT-12430



# Mewbourne Oil Company

## 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 Burton 4 Fed Com #4H

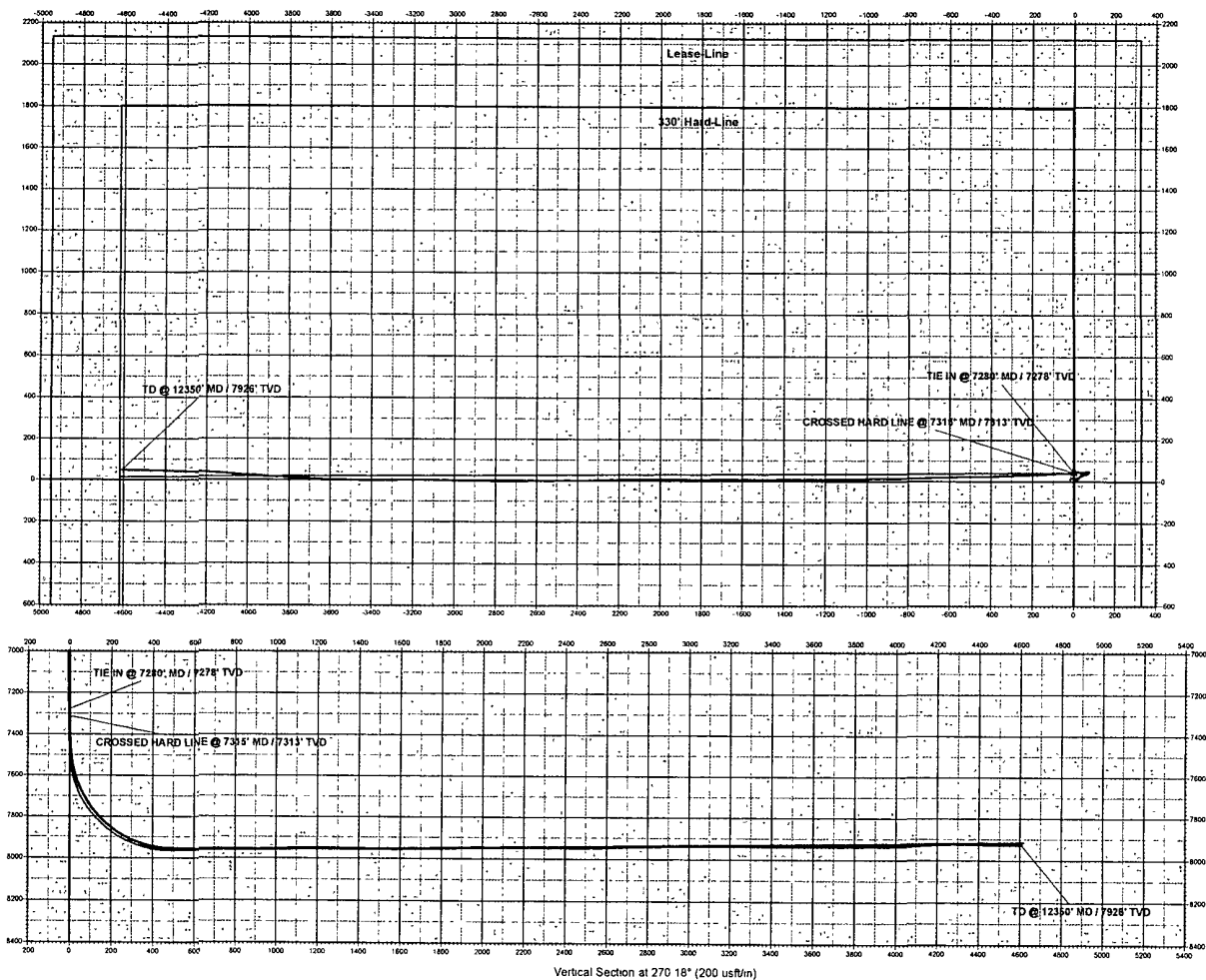
Ground Level: 3330.0  
 •N-U-S •E-W Northing Easting Latitude Longitude  
 0.0 0.0 583552.10 589468.00 32° 36' 14.464 N 104° 4' 13.281 W

## ANNOTATIONS

| MD      | Inc   | Azi    | TVD    | +N-U-S | +E-W    | Vsect  | Departure | Annotation                               |
|---------|-------|--------|--------|--------|---------|--------|-----------|------------------------------------------|
| 7280.0  | 0.88  | 258.78 | 7277.5 | 43.4   | 0.5     | -0.4   | 165.8     | TIE IN @ 7280' MD / 7278' TVD            |
| 7316.0  | 1.17  | 250.37 | 7312.5 | 43.3   | -0.1    | 0.2    | 188.7     | CROSSED HARD LINE @ 7316' MD / 7313' TVD |
| 12350.0 | 80.80 | 271.20 | 7928.3 | 48.4   | -4606.4 | 4608.5 | 4778.6    | TD @ 12350' MD / 7928' TVD               |

## DESIGN TARGET DETAILS

| Name                                                   | TVD    | +N-U-S | +E-W    | Northing  | Easting   | Latitude         | Longitude        |
|--------------------------------------------------------|--------|--------|---------|-----------|-----------|------------------|------------------|
| PBHL Burton 4 Fed Com #4H<br>- plan hits target center | 7915.0 | 14.3   | -4617.7 | 583556.40 | 578850.30 | 32° 36' 14.716 N | 104° 4' 13.281 W |



Vertical Section at 270° 18' (200 uft/in)

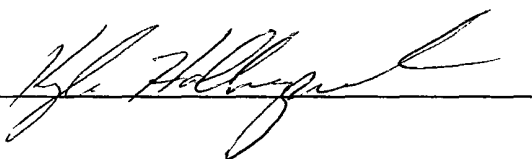
OPERATOR MEWBOURNE  
WELL/LEASE BURTON 4 FED COM 4H  
COUNTY EDDY

045-0084

STATE OF NEW MEXICO  
DEVIATION REPORT

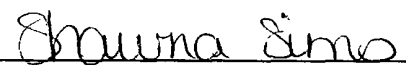
|       |      |
|-------|------|
| 300   | 1.73 |
| 596   | 2.00 |
| 716   | 2.94 |
| 841   | 3.34 |
| 1,096 | 3.34 |
| 1,222 | 2.67 |
| 1,410 | 2.61 |
| 1,535 | 1.65 |
| 1,727 | 1.48 |
| 3,496 | 0.55 |
| 3,909 | 0.19 |
| 4,321 | 1.77 |
| 4,449 | 2.24 |
| 4,578 | 1.86 |
| 4,703 | 2.34 |
| 4,830 | 1.91 |
| 5,084 | 1.85 |
| 5,214 | 1.41 |
| 5,374 | 0.74 |
| 5,595 | 0.59 |
| 5,882 | 0.91 |
| 6,136 | 1.72 |
| 6,264 | 1.04 |
| 6,386 | 1.08 |
| 6,513 | 1.03 |
| 6,765 | 0.97 |
| 7,178 | 0.78 |

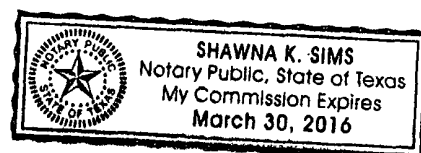
STATE OF TEXAS

BY: 

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on 7/17/12, by  
Kyle Hollingsworth on behalf of Patterson-UTI Drilling Company LLC

  
Notary Public for Midland County, Texas  
My Commission Expires: JUL 19 2016



Mewbourne Oil Company  
Hobbs



Do It Once.  
Do It Right.

Confidential Information - not to be disclosed  
outside Mewbourne Oil Company

Completion  
Final

|                                         |                                                              |                                         |
|-----------------------------------------|--------------------------------------------------------------|-----------------------------------------|
| Prepared for<br><b>Mr. Mickey Young</b> | Company<br><b>Mewbourne Oil Company</b>                      | Date<br><b>26-Jun-12</b>                |
| Well Name<br><b>Burton 4 Fed Com 4H</b> | Type of Installation<br><b>19-Stage 4-1/2" StackFRAC® HD</b> | Location<br><b>Eddy County, NM</b>      |
| Depth                                   | Drawing                                                      | Description                             |
| 12300'                                  |                                                              |                                         |
| KOP<br>7488'                            |                                                              |                                         |
| TOL<br>7992.68'                         |                                                              |                                         |
| 7" Shoe<br>8243'                        |                                                              |                                         |
| SNU0010391                              |                                                              |                                         |
| Stage 19<br>8300.02'                    |                                                              |                                         |
| SNU0010701                              |                                                              |                                         |
| 310.40 BBL                              |                                                              |                                         |
| 8437.04'                                |                                                              |                                         |
| SNU0010071                              |                                                              |                                         |
| Stage 18<br>8532.43'                    |                                                              |                                         |
| EA1031348                               |                                                              |                                         |
| 313.86 BBL                              |                                                              |                                         |
| 8628.24'                                |                                                              |                                         |
| SNU0009216                              |                                                              |                                         |
| Stage 17<br>8723.55'                    |                                                              |                                         |
| WA1032126                               |                                                              |                                         |
| 316.71 BBL                              |                                                              |                                         |
| 8628.24'                                |                                                              |                                         |
| SNU0009705                              |                                                              |                                         |
| Stage 16<br>8958.18'                    |                                                              |                                         |
| EA1029915                               |                                                              |                                         |
| 320.21 BBL                              |                                                              |                                         |
| 9097.35'                                |                                                              |                                         |
| SNU0009767                              |                                                              |                                         |
| Service Center<br>Midland, TX           | Telephone<br>432-563-8024                                    | Contact<br>Joey Gonzalez                |
|                                         |                                                              | Telephone<br>Chad Williams 405-255-3223 |

Page 1 of 3

\*\*\*Drillable FracPORT's to be shipped without handling pups\*\*\*

Latched Seal Assembly  
7" 23-32 ppf x 3.875" Lower Bore x 4.75" Upper Bore SF Liner Hanger Packer  
PN: 108425-000004 (Shear Pins: 2 @ 482 plus 1 @ 241 : 1,205 psi setting pressure)  
SF Bottom Guide

3' x 4-1/2" 11.60# P-110 BTC x LTC Pup Joint

7" 26# P-110 LT&C Casing

4-1/2" 11.60# P-110 LTC LINER

JOINTS: 7

Packers Plus 4-1/2" Drillable FracPORT™ with 3.500" Seat for 3.625" High Pressure Ball  
PN: 121332-000023 (5 shear pins at 314 psi each: 1,570 psi opening pressure)

4-1/2" 13.50# P-110 LTC LINER

JOINTS: 3

6' x 4-1/2" 13.50# P-110 LTC Pup Joint

Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer

PN: 104485-000001 (4 shear pins at 522 psi each: 2,088 psi setting pressure) P-110 Mat'l

3' x 4-1/2" 13.50# P-110 LTC Pup Joint

4-1/2" 13.50# P-110 LTC LINER

JOINTS: 2

Packers Plus 4-1/2" Drillable FracPORT™ with 3.375" Seat for 3.500" High Pressure Ball

PN: 121332-000022 (5 shear pins at 314 psi each: 1,570 psi opening pressure)

4-1/2" 13.50# P-110 LTC LINER

JOINTS: 2

6' x 4-1/2" 13.50# P-110 LTC Pup Joint

Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer

PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)

3' x 4-1/2" 13.50# P-110 LTC Pup Joint

4-1/2" 13.50# P-110 LTC LINER

JOINTS: 2

Packers Plus 4-1/2" Drillable FracPORT™ with 3.250" Seat for 3.375" High Pressure Ball

PN: 121332-000021 (5 shear pins at 314 psi each: 1,570 psi opening pressure)

4-1/2" 13.50# P-110 LTC LINER

JOINTS: 3

6' x 4-1/2" 13.50# P-110 LTC Pup Joint

Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer

PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)

3' x 4-1/2" 13.50# P-110 LTC Pup Joint

4-1/2" 13.50# P-110 LTC LINER

JOINTS: 2

Packers Plus 4-1/2" Drillable FracPORT™ with 3.125" Seat for 3.250" High Pressure Ball

PN: 121332-000020 (5 shear pins at 314 psi each: 1,570 psi opening pressure)

4-1/2" 13.50# P-110 LTC LINER

JOINTS: 3

6' x 4-1/2" 13.50# P-110 LTC Pup Joint

Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer

PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)

3' x 4-1/2" 13.50# P-110 LTC Pup Joint

4-1/2" 13.50# P-110 LTC LINER

JOINTS: 2



Do It Once  
Do It Right

Confidential Information - not to be disclosed  
outside Mewbourne Oil Company

Completion  
Final

| Prepared for<br><b>Mr. Mickey Young</b> |                           | Company<br><b>Mewbourne Oil Company</b>                                                | Date<br><b>26-Jun-12</b>                |        |        |
|-----------------------------------------|---------------------------|----------------------------------------------------------------------------------------|-----------------------------------------|--------|--------|
| Well Name<br><b>Burton 4 Fed Com 4H</b> |                           | Type of Installation                                                                   | Location<br><b>Eddy County, NM</b>      |        |        |
| Depth                                   | Drawing                   | Description                                                                            | OD(in)                                  | ID(in) | Length |
| REV_                                    |                           |                                                                                        | Page 2 of 3                             |        |        |
| Stage 15                                |                           | Packers Plus 4-1/2" Drillable FracPORT™ with 3.000" Seat for 3.125" High Pressure Ball | 5.630"                                  | 3.000  | 2.65   |
| 9192.63'                                |                           | PN: 121332-000019 (5 shear pins at 314 psi each: 1,570 psi opening pressure)           |                                         | 3.840  |        |
| EA1029465                               |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 2                                                | 4.500"                                  | 3.92"  | 86.88  |
| 323.7 BBL                               |                           | 6' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 6.07   |
| 9288.23'                                |                           | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer               | 5.750"                                  | 3.875  | 5.25   |
| SNU0009332                              |                           | PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)          |                                         |        |        |
|                                         |                           | 3' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 3.11   |
|                                         |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 2                                                | 4.500"                                  | 3.92"  | 87.09  |
| Stage 14                                |                           | Packers Plus 4-1/2" Drillable FracPORT™ with 2.875" Seat for 3.000" High Pressure Ball | 5.630"                                  | 2.875  | 2.65   |
| 9383.68'                                |                           | PN: 121332-000018 (5 shear pins at 314 psi each: 1,570 psi opening pressure)           |                                         | 3.840  |        |
| EA1030910                               |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 3                                                | 4.500"                                  | 3.92"  | 130.44 |
| 326.55 BBL                              |                           | 6' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 6.07   |
|                                         |                           | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer               | 5.750"                                  | 3.875  | 5.25   |
| 9522.84'                                |                           | PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)          |                                         |        |        |
| SNU0009333                              |                           | 3' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 3.1    |
|                                         |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 2                                                | 4.500"                                  | 3.92"  | 87.06  |
| Stage 13                                |                           | Packers Plus 4-1/2" Drillable FracPORT™ with 2.750" Seat for 2.875" High Pressure Ball | 5.630"                                  | 2.750  | 2.65   |
| 9618.25'                                |                           | PN: 121332-000017 (5 shear pins at 314 psi each: 1,570 psi opening pressure)           |                                         | 3.840  |        |
| EA1030115                               |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 2                                                | 4.500"                                  | 3.92"  | 86.93  |
| 330.04 BBL                              |                           | 6' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 6.08   |
|                                         |                           | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer               | 5.750"                                  | 3.875  | 5.25   |
| 9713.91'                                |                           | PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)          |                                         |        |        |
| SNU0009706                              |                           | 3' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 3.12   |
|                                         |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 1                                                | 4.500"                                  | 3.92"  | 43.53  |
| Stage 12                                |                           | Packers Plus 4-1/2" Drillable FracPORT™ with 2.625" Seat for 2.750" High Pressure Ball | 5.630"                                  | 2.625  | 2.65   |
| 9765.81'                                |                           | PN: 121332-000016 (5 shear pins at 314 psi each: 1,570 psi opening pressure)           |                                         | 3.840  |        |
| EA1028723                               |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 3                                                | 4.500"                                  | 3.92"  | 129.12 |
| 332.24 BBL                              |                           | 6' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 6.1    |
|                                         |                           | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer               | 5.750"                                  | 3.875  | 5.25   |
| 9903.68'                                |                           | PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)          |                                         |        |        |
| SNU000991                               |                           | 3' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 2.8    |
|                                         |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 2                                                | 4.500"                                  | 3.92"  | 86.14  |
| Stage 11                                |                           | Packers Plus 4-1/2" Drillable FracPORT™ with 2.500" Seat for 2.625" High Pressure Ball | 5.630"                                  | 2.500  | 2.65   |
| 9997.87'                                |                           | PN: 121332-000015 (5 shear pins at 314 psi each: 1,570 psi opening pressure)           |                                         | 3.840  |        |
| EA1031232                               |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 3                                                | 4.500"                                  | 3.92"  | 130.1  |
| 335.70 BBL                              |                           | 6' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 6.08   |
|                                         |                           | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer               | 5.750"                                  | 3.875  | 5.25   |
| 10136.70'                               |                           | PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)          |                                         |        |        |
| SNU0009708                              |                           | 3' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 3.13   |
|                                         |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 2                                                | 4.500"                                  | 3.92"  | 86.96  |
| Stage 10                                |                           | Packers Plus 4-1/2" Drillable FracPORT™ with 2.375" Seat for 2.500" High Pressure Ball | 5.630"                                  | 2.375  | 2.65   |
| 10232.04'                               |                           | PN: 121332-000014 (5 shear pins at 314 psi each: 1,570 psi opening pressure)           |                                         | 3.840  |        |
| EA1030249                               |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 3                                                | 4.500"                                  | 3.92"  | 130.76 |
| 339.19 BBL                              |                           | 6' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 6.06   |
|                                         |                           | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer               | 5.750"                                  | 3.875  | 5.25   |
| 10371.51'                               |                           | PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)          |                                         |        |        |
| SNU0010047                              |                           | 3' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 3.11   |
|                                         |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 2                                                | 4.500"                                  | 3.92"  | 87.28  |
| Stage 9                                 |                           | Packers Plus 4-1/2" Drillable FracPORT™ with 2.250" Seat for 2.375" High Pressure Ball | 5.630"                                  | 2.250  | 2.65   |
| 10467.15'                               |                           | PN: 121332-000013 (5 shear pins at 314 psi each: 1,570 psi opening pressure)           |                                         | 3.840  |        |
| EA1030186                               |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 4                                                | 4.500"                                  | 3.92"  | 174.12 |
| 342.69 BBL                              |                           | 6' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 6.06   |
|                                         |                           | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer               | 5.750"                                  | 3.875  | 5.25   |
| 10649.98'                               |                           | PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)          |                                         |        |        |
| SNU0009200                              |                           | 3' x 4-1/2" 13.50# P-110 LTC Pup Joint                                                 | 4.500"                                  | 3.92"  | 3.11   |
|                                         |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 3                                                | 4.500"                                  | 3.92"  | 130.36 |
| Stage 8                                 |                           | Packers Plus 4-1/2" Drillable FracPORT™ with 2.125" Seat for 2.250" High Pressure Ball | 5.630"                                  | 2.125  | 2.65   |
| 10788.70'                               |                           | PN: 121332-000012 (5 shear pins at 314 psi each: 1,570 psi opening pressure)           |                                         | 3.840  |        |
| EA1031069                               |                           | 4-1/2" 13.50# P-110 LTC LINER JOINTS: 3                                                | 4.500"                                  | 3.92"  | 130.47 |
| 347.48 BBL                              |                           |                                                                                        |                                         |        |        |
| Service Center<br>Midland, TX           | Telephone<br>432-563-8024 | Contact<br>Joey Gonzalez                                                               | Telephone<br>Chad Williams 405-255-3223 |        |        |



Do It Once  
Do It Right.

Confidential Information - not to be disclosed  
outside Mewbourne Oil Company

Completion  
Final

| Prepared for<br><b>Mr. Mickey Young</b> |         | Company<br><b>Mewbourne Oil Company</b>                                                                                                                                | Date<br><b>26-Jun-12</b>           |                                         |        |
|-----------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------|--------|
| Well Name<br><b>Burton 4 Fed Com 4H</b> |         | Type of Installation<br><b>19-Stage 4-1/2" StackFRAC® HD</b>                                                                                                           | Location<br><b>Eddy County, NM</b> |                                         |        |
| Depth                                   | Drawing | Description                                                                                                                                                            | OD(in)                             | ID(in)                                  | Length |
| Page 3 of 3                             |         |                                                                                                                                                                        |                                    |                                         |        |
| REV_                                    |         |                                                                                                                                                                        |                                    |                                         |        |
| 10927.92'                               |         | 6' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4 500"                             | 3 92"                                   | 6 1    |
| SNU0010006                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer<br>PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)              | 5 750"                             | 3.875                                   | 5 25   |
|                                         |         | 3' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4 500"                             | 3.92"                                   | 3 11   |
|                                         |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4 500"                             | 3 92"                                   | 86 94  |
| Stage 7                                 |         | Packers Plus 4-1/2" Drillable FracPORT™ with 2.000" Seat for 2.125" High Pressure Ball<br>JOINTS: 2                                                                    | 5.630"                             | 2.000                                   | 2 65   |
| 11023.22'                               |         | PN: 121332-000011 (5 shear pins at 314 psi each: 1,570 psi opening pressure)                                                                                           |                                    | 3.840                                   |        |
| EA1030156                               |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4 500"                             | 3 92"                                   | 86.89  |
| 351.28 BBL                              |         | 6' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4.500"                             | 3 92"                                   | 6 07   |
|                                         |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer<br>PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)              | 5 750"                             | 3.875                                   | 5 25   |
| 11118.83'                               |         | 3' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4 500"                             | 3 92"                                   | 3 11   |
| SNU0009199                              |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4 500"                             | 3.92"                                   | 87 04  |
|                                         |         | JOINTS: 2                                                                                                                                                              | 5.630"                             | 1.875                                   | 2.65   |
| Stage 6                                 |         | Packers Plus 4-1/2" Drillable FracPORT™ with 1.875" Seat for 2.000" High Pressure Ball<br>PN: 121332-000010 (5 shear pins at 314 psi each: 1,570 psi opening pressure) |                                    | 3.840                                   |        |
| 11214.23'                               |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4.500"                             | 3 92"                                   | 87.05  |
| EA1030158                               |         | 6' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4.500"                             | 3 92"                                   | 5 8    |
| 354.12 BBL                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer<br>PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)              | 5 750"                             | 3.875                                   | 5 25   |
| 11309.73'                               |         | 3' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4 500"                             | 3 92"                                   | 3 1    |
| SNU0010253                              |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4 500"                             | 3 92"                                   | 87 11  |
|                                         |         | JOINTS: 2                                                                                                                                                              | 5.630"                             | 1.750                                   | 2 65   |
| Stage 5                                 |         | Packers Plus 4-1/2" Drillable FracPORT™ with 1.750" Seat for 1.875" High Pressure Ball<br>PN: 121332-000009 (5 shear pins at 314 psi each: 1,570 psi opening pressure) |                                    | 3.840                                   |        |
| 11405.19'                               |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4.500"                             | 3 92"                                   | 130.07 |
| SNU0010175                              |         | 6' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4 500"                             | 3 92"                                   | 6 1    |
| 356.97 BBL                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer<br>PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)              | 5 750"                             | 3.875                                   | 5 25   |
| 11544.01'                               |         | 3' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4 500"                             | 3 92"                                   | 2 81   |
| SNU0009709                              |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4 500"                             | 3 92"                                   | 86 85  |
|                                         |         | JOINTS: 2                                                                                                                                                              | 5 630"                             | 1.625                                   | 2 65   |
| Stage 4                                 |         | Packers Plus 4-1/2" Drillable FracPORT™ with 1.625" Seat for 1.750" High Pressure Ball<br>PN: 121332-000008 (5 shear pins at 314 psi each: 1,570 psi opening pressure) |                                    | 3.840                                   |        |
| 11638.92'                               |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4.500"                             | 3 92"                                   | 86 95  |
| SNU0010102                              |         | 6' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4 500"                             | 3 92"                                   | 5 71   |
| 360.42 BBL                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer<br>PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)              | 5 750"                             | 3.875                                   | 5 25   |
| 11734.23'                               |         | 3' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4 500"                             | 3 92"                                   | 3 11   |
| SNU0009330                              |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4 500"                             | 3 92"                                   | 86 97  |
|                                         |         | JOINTS: 2                                                                                                                                                              | 5 630"                             | 1.500                                   | 2 65   |
| Stage 3                                 |         | Packers Plus 4-1/2" Drillable FracPORT™ with 1.500" Seat for 1.625" High Pressure Ball<br>PN: 121332-000007 (5 shear pins at 314 psi each: 1,570 psi opening pressure) |                                    | 3.840                                   |        |
| 11829.56'                               |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4 500"                             | 3 92"                                   | 129 76 |
| SNU0010098                              |         | 6' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4.500"                             | 3 92"                                   | 5 72   |
| 363.29 BBL                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer<br>PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)              | 5 750"                             | 3.875                                   | 5 25   |
| 11967.69'                               |         | 3' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4 500"                             | 3 92"                                   | 3 12   |
| SNU0009203                              |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4 500"                             | 3 92"                                   | 86 94  |
|                                         |         | JOINTS: 2                                                                                                                                                              | 5 630"                             | 1.375                                   | 2 65   |
| Stage 2                                 |         | Packers Plus 4-1/2" Drillable FracPORT™ with 1.375" Seat for 1.500" High Pressure Ball<br>PN: 121332-000006 (5 shear pins at 314 psi each: 1,570 psi opening pressure) |                                    | 3.840                                   |        |
| 12063.00'                               |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4.500"                             | 3 92"                                   | 130 53 |
| SNU0009357                              |         | 6' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4.500"                             | 3 92"                                   | 5 67   |
| 366.76 BBL                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer<br>PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)              | 5 750"                             | 3.875                                   | 5 25   |
| 12201.85'                               |         | 3' x 4-1/2" 13 50# P-110 LTC Pup Joint                                                                                                                                 | 4.500"                             | 3.92"                                   | 3 12   |
| SNU0001028                              |         | 4-1/2" 13.50# P-110 LTC LINER                                                                                                                                          | 4.500"                             | 3 92"                                   | 86 68  |
|                                         |         | JOINTS: 2                                                                                                                                                              |                                    |                                         |        |
| Stage 1                                 |         | 6' x 4-1/2" 11 60# P-110 LTC Pup Joint                                                                                                                                 |                                    |                                         |        |
|                                         |         | Customer 4-1/2" Pump Off Sub<br>(Pinned above 4000 PSI)                                                                                                                |                                    |                                         | 3 1    |
| TMD                                     |         |                                                                                                                                                                        |                                    |                                         |        |
| Service Center<br>Midland, TX           |         | Telephone<br>432-563-8024                                                                                                                                              | Contact<br>Joey Gonzalez           | Telephone<br>Chad Williams 405-255-3223 |        |