

OPERATOR MEWBOURNE OIL COMPANY  
WELL/LEASE TAMANO 10 FEDERAL COM 7H  
COUNTY EDDY

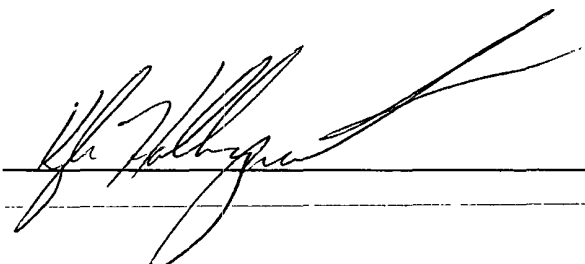
STATE OF NEW MEXICO  
DEVIATION REPORT

30-015-39685

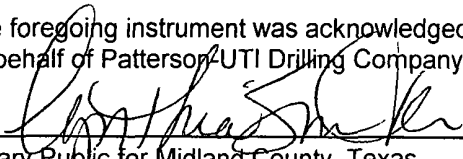
|       |      |
|-------|------|
| 450   | 0.24 |
| 751   | 0.29 |
| 953   | 0.49 |
| 1,207 | 0.43 |
| 1,461 | 0.19 |
| 1,683 | 0.13 |
| 1,904 | 0.53 |
| 2,219 | 0.36 |
| 2,535 | 0.37 |
| 2,851 | 0.26 |
| 3,159 | 0.74 |
| 3,517 | 0.78 |
| 3,739 | 0.99 |
| 3,994 | 1.04 |
| 4,247 | 1.14 |
| 4,564 | 1.43 |
| 4,818 | 1.52 |
| 5,072 | 1.01 |
| 5,325 | 1.41 |
| 5,580 | 1.93 |
| 5,706 | 2.01 |
| 5,833 | 2.73 |
| 5,928 | 2.80 |
| 6,023 | 3.14 |
| 6,151 | 3.23 |
| 6,306 | 2.57 |
| 6,433 | 2.77 |
| 6,560 | 2.62 |
| 6,689 | 3.13 |
| 6,812 | 4.32 |
| 6,940 | 4.09 |
| 7,035 | 4.04 |
| 7,129 | 2.66 |
| 7,255 | 2.10 |
| 7,350 | 2.18 |
| 7,477 | 1.24 |

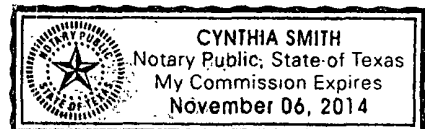
STATE OF TEXAS

COUNTY OF MIDLAND

BY: 

The foregoing instrument was acknowledged before me on February 28, 2012 by Kyle Hollingsworth on behalf of Patterson-UTI Drilling Company LLC.

  
Notary Public for Midland County, Texas  
My Commission Expires: November 6, 2014





Company: Mewbourne Oil Company

Lease/Well: Tamano "10" Fed Com/7H

Location: 7.5 Miles SE Of Loco Hills

Rig Name: Patterson #46

State/County: New Mexico/Eddy

Latitude: 32.76

GRID North is 0.25 Degrees East of True North

VS-Azi: 87.79 Degrees



Depth Reference : RKB= 26 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: tamano 10 fed com #7h\_ed.ut

Minimum Curvature Method

Report Date/Time: 2/10/2012 / 11:19

Vaughn Energy Services

Gardendale, Texas

432-563-5444

Surveyor: Seth Hardin

Tamano "10" Fed Com 7H / API# 30-015-39685

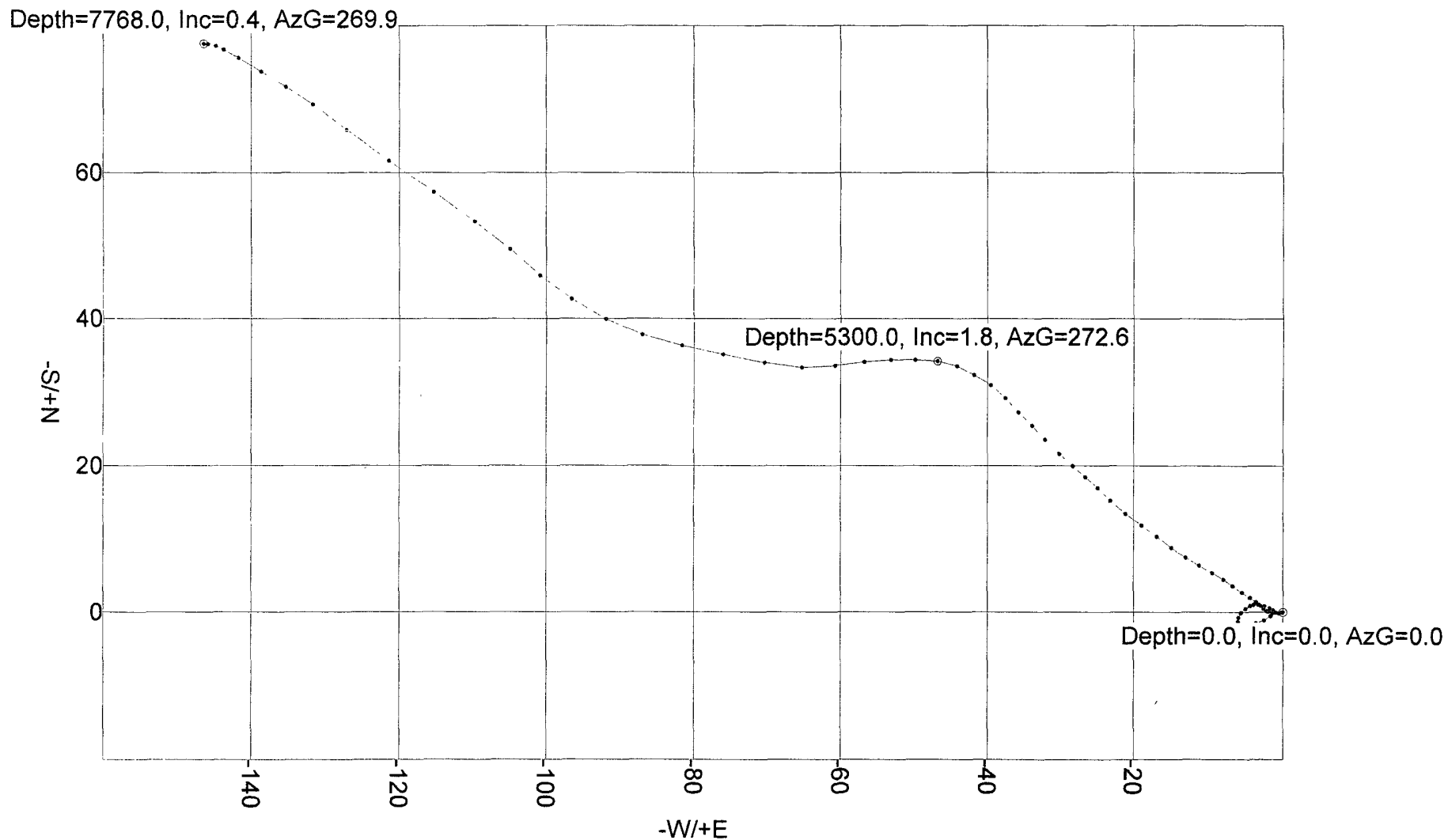
| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | TVD<br>FT | +N/-S<br>FT | +E/-W<br>FT | Vertical<br>Section<br>FT | Closure<br>Distance<br>FT | Closure<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 0.00                    | 0.00                 | 0.00                      | 0.00      | 0.00        | 0.00        | 0.00                      | 0.00                      | 0.00                        | ****                          |
| 100.00                  | 0.28                 | 247.05                    | 100.00    | -0.09       | -0.22       | -0.22                     | 0.24                      | 247.05                      | 0.28                          |
| 200.00                  | 0.17                 | 275.67                    | 200.00    | -0.17       | -0.59       | -0.60                     | 0.62                      | 253.81                      | 0.15                          |
| 300.00                  | 0.30                 | 302.32                    | 300.00    | -0.02       | -0.97       | -0.97                     | 0.97                      | 268.96                      | 0.16                          |
| 400.00                  | 0.24                 | 314.92                    | 400.00    | 0.27        | -1.34       | -1.33                     | 1.36                      | 281.49                      | 0.08                          |
| 500.00                  | 0.40                 | 290.54                    | 500.00    | 0.54        | -1.82       | -1.79                     | 1.90                      | 286.69                      | 0.21                          |
| 600.00                  | 0.46                 | 295.85                    | 599.99    | 0.84        | -2.51       | -2.47                     | 2.65                      | 288.59                      | 0.07                          |
| 700.00                  | 0.51                 | 272.17                    | 699.99    | 1.04        | -3.32       | -3.28                     | 3.48                      | 287.34                      | 0.21                          |
| 800.00                  | 0.26                 | 252.31                    | 799.99    | 0.98        | -3.99       | -3.94                     | 4.10                      | 283.86                      | 0.28                          |
| 900.00                  | 0.28                 | 248.65                    | 899.99    | 0.82        | -4.43       | -4.40                     | 4.51                      | 280.53                      | 0.03                          |
| 1000.00                 | 0.54                 | 234.53                    | 999.98    | 0.46        | -5.05       | -5.02                     | 5.07                      | 275.23                      | 0.27                          |
| 1100.00                 | 0.41                 | 216.91                    | 1099.98   | -0.10       | -5.64       | -5.64                     | 5.65                      | 268.99                      | 0.19                          |
| 1200.00                 | 0.44                 | 193.97                    | 1199.98   | -0.76       | -5.96       | -5.98                     | 6.00                      | 262.69                      | 0.17                          |
| 1300.00                 | 0.24                 | 167.38                    | 1299.97   | -1.35       | -6.00       | -6.05                     | 6.15                      | 257.37                      | 0.25                          |
| 1400.00                 | 0.17                 | 145.99                    | 1399.97   | -1.67       | -5.87       | -5.93                     | 6.11                      | 254.11                      | 0.11                          |
| 1500.00                 | 0.12                 | 123.54                    | 1499.97   | -1.85       | -5.70       | -5.77                     | 6.00                      | 252.01                      | 0.07                          |
| 1600.00                 | 0.14                 | 109.83                    | 1599.97   | -1.95       | -5.50       | -5.57                     | 5.84                      | 250.48                      | 0.04                          |
| 1700.00                 | 0.37                 | 83.48                     | 1699.97   | -1.96       | -5.07       | -5.14                     | 5.44                      | 248.91                      | 0.25                          |
| 1800.00                 | 0.43                 | 70.15                     | 1799.97   | -1.79       | -4.40       | -4.47                     | 4.75                      | 247.84                      | 0.11                          |

| 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                 | 0.50                 | 74.77                     | 1899.97   | -1.55       | -3.62       | -3.68                     | 3.94                      | 246.86                      | 0.08                          |
| 2000.00                 | 0.84                 | 65.23                     | 1999.96   | -1.13       | -2.54       | -2.58                     | 2.78                      | 246.04                      | 0.35                          |
| 2100.00                 | 0.40                 | 41.19                     | 2099.95   | -0.56       | -1.65       | -1.67                     | 1.74                      | 251.20                      | 0.50                          |
| 2200.00                 | 0.19                 | 358.41                    | 2199.95   | -0.13       | -1.42       | -1.43                     | 1.43                      | 264.82                      | 0.29                          |
| 2300.00                 | 0.18                 | 291.78                    | 2299.95   | 0.10        | -1.57       | -1.57                     | 1.58                      | 273.59                      | 0.21                          |
| 2400.00                 | 0.14                 | 266.81                    | 2399.95   | 0.15        | -1.84       | -1.84                     | 1.85                      | 274.63                      | 0.08                          |
| 2500.00                 | 0.10                 | 211.23                    | 2499.95   | 0.07        | -2.02       | -2.01                     | 2.02                      | 271.87                      | 0.12                          |
| 2600.00                 | 0.29                 | 307.23                    | 2599.95   | 0.14        | -2.26       | -2.25                     | 2.27                      | 273.57                      | 0.32                          |
| 2700.00                 | 0.29                 | 319.08                    | 2699.95   | 0.48        | -2.63       | -2.61                     | 2.67                      | 280.44                      | 0.06                          |
| 2800.00                 | 0.41                 | 309.51                    | 2799.95   | 0.90        | -3.07       | -3.03                     | 3.20                      | 286.37                      | 0.13                          |
| 2900.00                 | 0.47                 | 310.52                    | 2899.95   | 1.40        | -3.66       | -3.60                     | 3.91                      | 290.90                      | 0.07                          |
| 3000.00                 | 0.63                 | 300.85                    | 2999.94   | 1.95        | -4.44       | -4.36                     | 4.85                      | 293.66                      | 0.18                          |
| 3100.00                 | 0.84                 | 307.26                    | 3099.93   | 2.67        | -5.50       | -5.39                     | 6.11                      | 295.92                      | 0.22                          |
| 3200.00                 | 0.92                 | 306.91                    | 3199.92   | 3.60        | -6.72       | -6.58                     | 7.62                      | 298.15                      | 0.09                          |
| 3300.00                 | 0.77                 | 302.63                    | 3299.91   | 4.44        | -7.93       | -7.76                     | 9.09                      | 299.26                      | 0.16                          |
| 3400.00                 | 1.19                 | 300.58                    | 3399.89   | 5.34        | -9.40       | -9.19                     | 10.81                     | 299.59                      | 0.42                          |
| 3500.00                 | 1.19                 | 298.70                    | 3499.87   | 6.37        | -11.21      | -10.95                    | 12.89                     | 299.60                      | 0.04                          |
| 3600.00                 | 1.26                 | 304.43                    | 3599.85   | 7.48        | -13.02      | -12.72                    | 15.02                     | 299.89                      | 0.14                          |
| 3700.00                 | 1.40                 | 306.36                    | 3699.82   | 8.83        | -14.90      | -14.55                    | 17.32                     | 300.63                      | 0.15                          |
| 3800.00                 | 1.46                 | 307.54                    | 3799.79   | 10.32       | -16.90      | -16.49                    | 19.80                     | 301.43                      | 0.07                          |
| 3900.00                 | 1.47                 | 306.32                    | 3899.76   | 11.86       | -18.94      | -18.47                    | 22.35                     | 302.06                      | 0.03                          |
| 4000.00                 | 1.57                 | 306.20                    | 3999.72   | 13.43       | -21.08      | -20.55                    | 24.99                     | 302.50                      | 0.09                          |
| 4100.00                 | 1.55                 | 316.42                    | 4099.69   | 15.22       | -23.11      | -22.51                    | 27.67                     | 303.36                      | 0.28                          |
| 4200.00                 | 1.26                 | 313.78                    | 4199.66   | 16.96       | -24.84      | -24.17                    | 30.08                     | 304.32                      | 0.29                          |
| 4300.00                 | 1.30                 | 308.71                    | 4299.63   | 18.43       | -26.52      | -25.79                    | 32.29                     | 304.79                      | 0.12                          |
| 4400.00                 | 1.35                 | 312.72                    | 4399.61   | 19.93       | -28.27      | -27.48                    | 34.59                     | 305.19                      | 0.10                          |
| 4500.00                 | 1.51                 | 311.09                    | 4499.57   | 21.60       | -30.13      | -29.27                    | 37.07                     | 305.64                      | 0.17                          |
| 4600.00                 | 1.54                 | 319.29                    | 4599.54   | 23.49       | -32.00      | -31.07                    | 39.69                     | 306.28                      | 0.22                          |
| 4700.00                 | 1.50                 | 314.09                    | 4699.50   | 25.42       | -33.82      | -32.81                    | 42.30                     | 306.93                      | 0.14                          |
| 4800.00                 | 1.55                 | 313.39                    | 4799.47   | 27.26       | -35.74      | -34.66                    | 44.95                     | 307.33                      | 0.06                          |
| 4900.00                 | 1.50                 | 320.23                    | 4899.43   | 29.19       | -37.56      | -36.41                    | 47.57                     | 307.86                      | 0.19                          |
| 5000.00                 | 1.57                 | 303.35                    | 4999.40   | 30.95       | -39.54      | -38.32                    | 50.21                     | 308.05                      | 0.46                          |
| 5100.00                 | 1.48                 | 298.28                    | 5099.36   | 32.31       | -41.82      | -40.54                    | 52.85                     | 307.69                      | 0.16                          |
| 5200.00                 | 1.55                 | 296.69                    | 5199.33   | 33.53       | -44.16      | -42.84                    | 55.45                     | 307.21                      | 0.09                          |
| 5300.00                 | 1.75                 | 272.55                    | 5299.29   | 34.21       | -46.90      | -45.54                    | 58.05                     | 306.11                      | 0.72                          |
| 5400.00                 | 1.71                 | 274.08                    | 5399.24   | 34.38       | -49.92      | -48.55                    | 60.61                     | 304.56                      | 0.06                          |
| 5500.00                 | 2.07                 | 266.75                    | 5499.19   | 34.39       | -53.21      | -51.84                    | 63.35                     | 302.87                      | 0.43                          |
| 5600.00                 | 2.11                 | 264.34                    | 5599.12   | 34.10       | -56.84      | -55.49                    | 66.29                     | 300.96                      | 0.10                          |
| 5700.00                 | 2.43                 | 260.93                    | 5699.04   | 33.59       | -60.77      | -59.43                    | 69.44                     | 298.93                      | 0.35                          |

| 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 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 5800.00                 | 2.76                 | 272.59                    | 5798.94   | 33.36       | -65.27      | -63.94                    | 73.31                     | 297.07                      | 0.62                          |
| 5900.00                 | 3.19                 | 281.35                    | 5898.81   | 34.02       | -70.40      | -69.04                    | 78.19                     | 295.79                      | 0.62                          |
| 6000.00                 | 3.38                 | 280.98                    | 5998.64   | 35.13       | -76.02      | -74.61                    | 83.75                     | 294.80                      | 0.19                          |
| 6100.00                 | 3.23                 | 283.32                    | 6098.48   | 36.34       | -81.66      | -80.20                    | 88.38                     | 293.99                      | 0.20                          |
| 6200.00                 | 3.21                 | 287.35                    | 6198.32   | 37.82       | -87.07      | -85.55                    | 94.93                     | 293.48                      | 0.23                          |
| 6300.00                 | 2.95                 | 299.41                    | 6298.17   | 39.92       | -91.98      | -90.37                    | 100.27                    | 293.46                      | 0.70                          |
| 6400.00                 | 3.16                 | 302.11                    | 6398.03   | 42.64       | -96.55      | -94.84                    | 105.55                    | 293.83                      | 0.26                          |
| 6500.00                 | 3.02                 | 311.54                    | 6497.89   | 45.85       | -100.86     | -99.01                    | 110.79                    | 294.45                      | 0.53                          |
| 6600.00                 | 3.28                 | 311.64                    | 6597.74   | 49.50       | -104.97     | -102.98                   | 116.05                    | 295.25                      | 0.26                          |
| 6700.00                 | 3.69                 | 305.97                    | 6697.55   | 53.29       | -109.71     | -107.57                   | 121.97                    | 295.91                      | 0.54                          |
| 6800.00                 | 4.22                 | 305.82                    | 6797.31   | 57.34       | -115.30     | -113.00                   | 128.77                    | 296.44                      | 0.53                          |
| 6900.00                 | 4.33                 | 304.22                    | 6897.03   | 61.61       | -121.41     | -118.94                   | 136.15                    | 296.91                      | 0.16                          |
| 7000.00                 | 3.84                 | 309.09                    | 6996.78   | 65.85       | -127.13     | -124.50                   | 143.17                    | 297.38                      | 0.60                          |
| 7100.00                 | 2.69                 | 305.01                    | 7096.62   | 69.31       | -131.65     | -128.88                   | 148.78                    | 297.76                      | 1.17                          |
| 7200.00                 | 2.35                 | 300.51                    | 7196.52   | 71.70       | -135.34     | -132.47                   | 153.16                    | 297.91                      | 0.40                          |
| 7300.00                 | 2.16                 | 303.53                    | 7296.44   | 73.78       | -138.68     | -135.73                   | 157.08                    | 298.01                      | 0.22                          |
| 7400.00                 | 1.97                 | 299.01                    | 7396.38   | 75.65       | -141.75     | -138.73                   | 160.68                    | 298.09                      | 0.26                          |
| 7500.00                 | 0.63                 | 302.08                    | 7496.35   | 76.78       | -143.72     | -140.65                   | 162.95                    | 298.11                      | 1.33                          |
| 7600.00                 | 0.75                 | 289.03                    | 7596.34   | 77.29       | -144.81     | -141.72                   | 164.15                    | 298.09                      | 0.20                          |
| 7700.00                 | 0.53                 | 277.47                    | 7696.34   | 77.56       | -145.89     | -142.79                   | 165.23                    | 298.00                      | 0.26                          |
| 7768.00                 | 0.38                 | 269.87                    | 7764.33   | 77.60       | -146.42     | -143.32                   | 165.72                    | 297.92                      | 0.24                          |



Vaughn Energy Services  
Gardendale, Texas  
432-563-5444  
Surveyor: Seth Hardin  
Tamano "10" Fed Com 7H / API# 30-015-39685



VES Survey Date: 02/02/2012

# **Mewbourne Oil Co**

**Eddy County, New Mexico**

**Sec 10, T18S, R31E**

**Tamano 10 Fed Com #7H**

**Wellbore #1**

**Survey: MWD**

## **DDC Survey Report**

**15 February, 2012**



# DDC Survey Report



|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Tamano 10 Fed Com #7H            |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3734.0usft (Patterson UTI #47) |
| <b>Site:</b>     | Sec 10, T18S, R31E      | <b>MD Reference:</b>                | WELL @ 3734.0usft (Patterson UTI #47) |
| <b>Well:</b>     | Tamano 10 Fed Com #7H   | <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 10, T18S, R31E |                          |                   |
| <b>Site Position:</b>        |                    | <b>Northing:</b>         | 641,725.21 usft   |
| <b>From:</b>                 | Map                | <b>Easting:</b>          | 644,281.10 usft   |
| <b>Position Uncertainty:</b> | 0.0 usft           | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |                    | <b>Latitude:</b>         | 32° 45' 47.938 N  |
|                              |                    | <b>Longitude:</b>        | 103° 51' 50.309 W |
|                              |                    | <b>Grid Convergence:</b> | 0.25 °            |

|                             |                       |                            |                                  |
|-----------------------------|-----------------------|----------------------------|----------------------------------|
| <b>Well:</b>                | Tamano 10 Fed Com #7H |                            |                                  |
| <b>Well Position</b>        | <b>+N-S</b>           | 0.0 usft                   | <b>Northing:</b> 641,725.21 usft |
|                             | <b>+E-W</b>           | 0.0 usft                   | <b>Easting:</b> 644,281.10 usft  |
| <b>Position Uncertainty</b> | 0.0 usft              | <b>Wellhead Elevation:</b> | usft                             |
|                             |                       | <b>Latitude:</b>           | 32° 45' 47.938 N                 |
|                             |                       | <b>Longitude:</b>          | 103° 51' 50.309 W                |
|                             |                       | <b>Ground Level:</b>       | 3,714.0 usft                     |

|                  |             |  |  |
|------------------|-------------|--|--|
| <b>Wellbore:</b> | Wellbore #1 |  |  |
|------------------|-------------|--|--|

| Magnetics | Model Name | Sample Date | Declination<br>(°) | Dip Angle<br>(°) | Field Strength<br>(nT) |
|-----------|------------|-------------|--------------------|------------------|------------------------|
|           | IGRF2010   | 1/18/2012   | 7.69               | 60.62            | 48,847                 |

|                            |                                    |                        |                        |                          |
|----------------------------|------------------------------------|------------------------|------------------------|--------------------------|
| <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)<br/>(usft)</b> | <b>+N-S<br/>(usft)</b> | <b>+E-W<br/>(usft)</b> | <b>Direction<br/>(°)</b> |
|                            | 0.0                                | 0.0                    | 0.0                    | 87.79                    |

| From<br>(usft) | To<br>(usft) | Survey (Wellbore)  | Tool Name   | Description    |
|----------------|--------------|--------------------|-------------|----------------|
| 100.0          | 7,768.0      | GYRO (Wellbore #1) | Good_gyro   | Good Gyro      |
| 7,842.0        | 12,851.0     | MWD (Wellbore #1)  | MWD default | MWD - Standard |

| 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) |
|-------------------------------|--------------------|----------------|-----------------------------|----------------|----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Tie In @ 7768' MD / 7764' TVD |                    |                |                             |                |                |                               |                               |                              |                             |
| 7,768.0                       | 0.38               | 269.87         | 7,764.3                     | 77.6           | -146.4         | -143.3                        | 0.00                          | 0.00                         | 0.00                        |
| 7,842.0                       | 0.10               | 0.30           | 7,838.3                     | 77.7           | -146.6         | -143.5                        | 0.53                          | -0.38                        | 122.20                      |
| 7,873.0                       | 0.20               | 12.40          | 7,869.3                     | 77.8           | -146.6         | -143.5                        | 0.34                          | 0.32                         | 39.03                       |
| 7,904.0                       | 0.10               | 72.30          | 7,900.3                     | 77.8           | -146.6         | -143.5                        | 0.56                          | -0.32                        | 193.23                      |
| 7,936.0                       | 2.00               | 78.30          | 7,932.3                     | 77.9           | -146.0         | -142.9                        | 5.94                          | 5.94                         | 18.75                       |
| 7,968.0                       | 5.30               | 80.00          | 7,964.3                     | 78.3           | -144.0         | -140.9                        | 10.32                         | 10.31                        | 5.31                        |
| 7,999.0                       | 9.20               | 79.50          | 7,995.0                     | 79.0           | -140.1         | -137.0                        | 12.58                         | 12.58                        | -1.61                       |
| 8,031.0                       | 12.20              | 83.40          | 8,026.4                     | 79.9           | -134.3         | -131.1                        | 9.64                          | 9.38                         | 12.19                       |
| 8,063.0                       | 14.30              | 88.30          | 8,057.6                     | 80.4           | -127.0         | -123.8                        | 7.44                          | 6.56                         | 15.31                       |

# DDC Survey Report



|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Tamano 10 Fed Com #7H            |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3734.0usft (Patterson UTI #47) |
| <b>Site:</b>     | Sec 10, T18S, R31E      | <b>MD Reference:</b>                | WELL @ 3734.0usft (Patterson UTI #47) |
| <b>Well:</b>     | Tamano 10 Fed Com #7H   | <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<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) |
|-------------------------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| <b>Crossed Hard Line @ 8070' MD / 8064' TVD</b> |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 8,070.0                                         | 14.98              | 88.63          | 8,064.4                     | 80.4            | -125.2          | -122.0                        | 9.75                          | 9.68                         | 4.70                        |
| 8,095.0                                         | 17.40              | 89.60          | 8,088.4                     | 80.5            | -118.2          | -115.0                        | 9.75                          | 9.69                         | 3.88                        |
| 8,126.0                                         | 21.40              | 89.70          | 8,117.6                     | 80.6            | -107.9          | -104.7                        | 12.90                         | 12.90                        | 0.32                        |
| 8,158.0                                         | 24.90              | 90.00          | 8,147.0                     | 80.6            | -95.4           | -92.2                         | 10.94                         | 10.94                        | 0.94                        |
| 8,190.0                                         | 27.90              | 89.10          | 8,175.7                     | 80.7            | -81.1           | -78.0                         | 9.46                          | 9.38                         | -2.81                       |
| 8,222.0                                         | 31.40              | 87.60          | 8,203.5                     | 81.2            | -65.3           | -62.1                         | 11.18                         | 10.94                        | -4.69                       |
| 8,253.0                                         | 35.30              | 86.30          | 8,229.4                     | 82.1            | -48.3           | -45.1                         | 12.79                         | 12.58                        | -4.19                       |
| 8,285.0                                         | 38.80              | 85.80          | 8,254.9                     | 83.4            | -29.1           | -25.8                         | 10.98                         | 10.94                        | -1.56                       |
| 8,317.0                                         | 41.70              | 86.90          | 8,279.3                     | 84.8            | -8.4            | -5.2                          | 9.33                          | 9.06                         | 3.44                        |
| 8,349.0                                         | 45.00              | 88.50          | 8,302.6                     | 85.6            | 13.5            | 16.8                          | 10.87                         | 10.31                        | 5.00                        |
| 8,380.0                                         | 48.50              | 89.20          | 8,323.8                     | 86.1            | 36.1            | 39.4                          | 11.41                         | 11.29                        | 2.26                        |
| 8,412.0                                         | 52.40              | 88.60          | 8,344.2                     | 86.5            | 60.8            | 64.0                          | 12.27                         | 12.19                        | -1.88                       |
| 8,443.0                                         | 56.10              | 88.10          | 8,362.3                     | 87.3            | 85.9            | 89.2                          | 12.01                         | 11.94                        | -1.61                       |
| 8,475.0                                         | 59.90              | 88.50          | 8,379.3                     | 88.1            | 113.0           | 116.3                         | 11.92                         | 11.88                        | 1.25                        |
| 8,506.0                                         | 63.70              | 89.30          | 8,393.9                     | 88.6            | 140.3           | 143.6                         | 12.47                         | 12.26                        | 2.58                        |
| 8,538.0                                         | 69.10              | 89.70          | 8,406.7                     | 88.9            | 169.6           | 172.9                         | 16.91                         | 16.88                        | 1.25                        |
| 8,570.0                                         | 73.80              | 90.10          | 8,416.9                     | 88.9            | 200.0           | 203.2                         | 14.74                         | 14.69                        | 1.25                        |
| 8,601.0                                         | 77.20              | 90.40          | 8,424.7                     | 88.8            | 230.0           | 233.2                         | 11.01                         | 10.97                        | 0.97                        |
| 8,633.0                                         | 81.30              | 90.60          | 8,430.6                     | 88.5            | 261.4           | 264.6                         | 12.83                         | 12.81                        | 0.63                        |
| 8,665.0                                         | 85.30              | 90.10          | 8,434.4                     | 88.3            | 293.2           | 296.4                         | 12.60                         | 12.50                        | -1.56                       |
| 8,737.0                                         | 88.00              | 88.00          | 8,438.6                     | 89.5            | 365.0           | 368.2                         | 4.75                          | 3.75                         | -2.92                       |
| 8,768.0                                         | 87.90              | 90.20          | 8,439.7                     | 90.0            | 396.0           | 399.2                         | 7.10                          | -0.32                        | 7.10                        |
| 8,800.0                                         | 89.00              | 90.50          | 8,440.5                     | 89.8            | 428.0           | 431.1                         | 3.56                          | 3.44                         | 0.94                        |
| 8,831.0                                         | 90.30              | 90.40          | 8,440.7                     | 89.5            | 459.0           | 462.1                         | 4.21                          | 4.19                         | -0.32                       |
| 8,863.0                                         | 90.60              | 90.50          | 8,440.5                     | 89.3            | 491.0           | 494.1                         | 0.99                          | 0.94                         | 0.31                        |
| 8,895.0                                         | 90.90              | 90.60          | 8,440.1                     | 89.0            | 523.0           | 526.0                         | 0.99                          | 0.94                         | 0.31                        |
| 8,927.0                                         | 91.20              | 91.50          | 8,439.5                     | 88.4            | 555.0           | 558.0                         | 2.96                          | 0.94                         | 2.81                        |
| 8,959.0                                         | 90.70              | 91.70          | 8,439.0                     | 87.5            | 587.0           | 589.9                         | 1.68                          | -1.56                        | 0.63                        |
| 8,990.0                                         | 91.60              | 93.80          | 8,438.3                     | 86.0            | 617.9           | 620.8                         | 7.37                          | 2.90                         | 6.77                        |
| 9,022.0                                         | 90.70              | 92.80          | 8,437.7                     | 84.2            | 649.9           | 652.6                         | 4.20                          | -2.81                        | -3.13                       |
| 9,054.0                                         | 88.90              | 91.30          | 8,437.8                     | 83.0            | 681.8           | 684.5                         | 7.32                          | -5.63                        | -4.69                       |
| 9,085.0                                         | 87.70              | 89.50          | 8,438.7                     | 82.8            | 712.8           | 715.5                         | 6.98                          | -3.87                        | -5.81                       |
| 9,117.0                                         | 87.80              | 89.90          | 8,440.0                     | 83.0            | 744.8           | 747.4                         | 1.29                          | 0.31                         | 1.25                        |
| 9,149.0                                         | 87.80              | 89.90          | 8,441.2                     | 83.0            | 776.8           | 779.4                         | 0.00                          | 0.00                         | 0.00                        |
| 9,180.0                                         | 88.30              | 88.90          | 8,442.3                     | 83.4            | 807.7           | 810.4                         | 3.60                          | 1.61                         | -3.23                       |
| 9,212.0                                         | 88.20              | 88.40          | 8,443.2                     | 84.1            | 839.7           | 842.3                         | 1.59                          | -0.31                        | -1.56                       |
| 9,244.0                                         | 89.60              | 88.00          | 8,443.8                     | 85.1            | 871.7           | 874.3                         | 4.55                          | 4.38                         | -1.25                       |
| 9,276.0                                         | 89.80              | 88.00          | 8,444.0                     | 86.2            | 903.7           | 906.3                         | 0.63                          | 0.63                         | 0.00                        |
| 9,307.0                                         | 89.60              | 87.50          | 8,444.2                     | 87.5            | 934.7           | 937.3                         | 1.74                          | -0.65                        | -1.61                       |
| 9,339.0                                         | 89.40              | 87.20          | 8,444.5                     | 88.9            | 966.6           | 969.3                         | 1.13                          | -0.63                        | -0.94                       |
| 9,371.0                                         | 90.70              | 87.00          | 8,444.4                     | 90.6            | 998.6           | 1,001.3                       | 4.11                          | 4.06                         | -0.63                       |
| 9,403.0                                         | 90.90              | 86.80          | 8,444.0                     | 92.3            | 1,030.5         | 1,033.3                       | 0.88                          | 0.63                         | -0.63                       |

# DDC Survey Report



|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Co        | <b>Local Co-ordinate Reference:</b> | Well Tamano 10 Fed Com #7H            |
| <b>Project:</b>  | Eddy County, New Mexico | <b>TVD Reference:</b>               | WELL @ 3734.0usft (Patterson UTI #47) |
| <b>Site:</b>     | Sec 10, T18S, R31E      | <b>MD Reference:</b>                | WELL @ 3734.0usft (Patterson UTI #47) |
| <b>Well:</b>     | Tamano 10 Fed Com #7H   | <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<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) |
| 9,466.0                     | 90.40              | 86.50          | 8,443.3                     | 96.0            | 1,093.4         | 1,096.3                       | 0.93                          | -0.79                        | -0.48                       |
| 9,530.0                     | 91.60              | 89.90          | 8,442.2                     | 98.0            | 1,157.4         | 1,160.3                       | 5.63                          | 1.88                         | 5.31                        |
| 9,593.0                     | 91.20              | 90.10          | 8,440.6                     | 98.0            | 1,220.3         | 1,223.2                       | 0.71                          | -0.63                        | 0.32                        |
| 9,657.0                     | 91.50              | 90.10          | 8,439.1                     | 97.9            | 1,284.3         | 1,287.1                       | 0.47                          | 0.47                         | 0.00                        |
| 9,721.0                     | 91.00              | 89.00          | 8,437.7                     | 98.4            | 1,348.3         | 1,351.1                       | 1.89                          | -0.78                        | -1.72                       |
| 9,784.0                     | 89.70              | 89.60          | 8,437.3                     | 99.1            | 1,411.3         | 1,414.1                       | 2.27                          | -2.06                        | 0.95                        |
| 9,847.0                     | 89.60              | 90.30          | 8,437.7                     | 99.2            | 1,474.3         | 1,477.0                       | 1.12                          | -0.16                        | 1.11                        |
| 9,911.0                     | 89.70              | 90.50          | 8,438.1                     | 98.7            | 1,538.3         | 1,541.0                       | 0.35                          | 0.16                         | 0.31                        |
| 9,974.0                     | 88.70              | 89.20          | 8,439.0                     | 98.9            | 1,601.3         | 1,603.9                       | 2.60                          | -1.59                        | -2.06                       |
| 10,038.0                    | 88.30              | 88.90          | 8,440.7                     | 100.0           | 1,665.3         | 1,667.9                       | 0.78                          | -0.63                        | -0.47                       |
| 10,101.0                    | 89.50              | 88.90          | 8,441.9                     | 101.2           | 1,728.2         | 1,730.9                       | 1.90                          | 1.90                         | 0.00                        |
| 10,165.0                    | 89.90              | 89.00          | 8,442.2                     | 102.4           | 1,792.2         | 1,794.8                       | 0.64                          | 0.63                         | 0.16                        |
| 10,228.0                    | 90.10              | 89.10          | 8,442.2                     | 103.4           | 1,855.2         | 1,857.8                       | 0.35                          | 0.32                         | 0.16                        |
| 10,291.0                    | 90.20              | 89.00          | 8,442.0                     | 104.4           | 1,918.2         | 1,920.8                       | 0.22                          | 0.16                         | -0.16                       |
| 10,355.0                    | 90.80              | 89.00          | 8,441.5                     | 105.6           | 1,982.2         | 1,984.8                       | 0.94                          | 0.94                         | 0.00                        |
| 10,419.0                    | 89.80              | 89.30          | 8,441.1                     | 106.5           | 2,046.2         | 2,048.8                       | 1.63                          | -1.56                        | 0.47                        |
| 10,482.0                    | 89.90              | 89.40          | 8,441.3                     | 107.2           | 2,109.2         | 2,111.7                       | 0.22                          | 0.16                         | 0.16                        |
| 10,546.0                    | 88.80              | 88.70          | 8,442.0                     | 108.3           | 2,173.2         | 2,175.7                       | 2.04                          | -1.72                        | -1.09                       |
| 10,610.0                    | 88.90              | 88.60          | 8,443.3                     | 109.8           | 2,237.1         | 2,239.7                       | 0.22                          | 0.16                         | -0.16                       |
| 10,674.0                    | 89.10              | 88.30          | 8,444.4                     | 111.5           | 2,301.1         | 2,303.7                       | 0.56                          | 0.31                         | -0.47                       |
| 10,737.0                    | 88.90              | 88.00          | 8,445.5                     | 113.6           | 2,364.1         | 2,366.7                       | 0.57                          | -0.32                        | -0.48                       |
| 10,801.0                    | 90.00              | 87.90          | 8,446.1                     | 115.8           | 2,428.0         | 2,430.7                       | 1.73                          | 1.72                         | -0.16                       |
| 10,864.0                    | 90.60              | 88.60          | 8,445.8                     | 117.8           | 2,491.0         | 2,493.7                       | 1.46                          | 0.95                         | 1.11                        |
| 10,928.0                    | 90.80              | 86.80          | 8,445.0                     | 120.3           | 2,554.9         | 2,557.7                       | 2.83                          | 0.31                         | -2.81                       |
| 10,991.0                    | 89.90              | 87.00          | 8,444.7                     | 123.7           | 2,617.8         | 2,620.7                       | 1.46                          | -1.43                        | 0.32                        |
| 11,055.0                    | 90.20              | 87.20          | 8,444.6                     | 127.0           | 2,681.7         | 2,684.6                       | 0.56                          | 0.47                         | 0.31                        |
| 11,118.0                    | 89.30              | 87.80          | 8,444.9                     | 129.7           | 2,744.7         | 2,747.6                       | 1.72                          | -1.43                        | 0.95                        |
| 11,182.0                    | 89.30              | 88.70          | 8,445.7                     | 131.7           | 2,808.7         | 2,811.6                       | 1.41                          | 0.00                         | 1.41                        |
| 11,245.0                    | 90.20              | 89.40          | 8,445.9                     | 132.7           | 2,871.6         | 2,874.6                       | 1.81                          | 1.43                         | 1.11                        |
| 11,308.0                    | 88.90              | 88.70          | 8,446.4                     | 133.8           | 2,934.6         | 2,937.6                       | 2.34                          | -2.06                        | -1.11                       |
| 11,372.0                    | 89.00              | 89.50          | 8,447.6                     | 134.8           | 2,998.6         | 3,001.6                       | 1.26                          | 0.16                         | 1.25                        |
| 11,435.0                    | 89.60              | 90.20          | 8,448.4                     | 134.9           | 3,061.6         | 3,064.5                       | 1.46                          | 0.95                         | 1.11                        |
| 11,499.0                    | 89.60              | 89.90          | 8,448.8                     | 134.9           | 3,125.6         | 3,128.5                       | 0.47                          | 0.00                         | -0.47                       |
| 11,562.0                    | 89.80              | 89.60          | 8,449.1                     | 135.2           | 3,188.6         | 3,191.4                       | 0.57                          | 0.32                         | -0.48                       |
| 11,626.0                    | 90.10              | 89.20          | 8,449.2                     | 135.8           | 3,252.6         | 3,255.4                       | 0.78                          | 0.47                         | -0.63                       |
| 11,690.0                    | 90.50              | 88.90          | 8,448.9                     | 136.9           | 3,316.6         | 3,319.4                       | 0.78                          | 0.63                         | -0.47                       |
| 11,753.0                    | 89.30              | 88.50          | 8,449.0                     | 138.3           | 3,379.6         | 3,382.4                       | 2.01                          | -1.90                        | -0.63                       |
| 11,817.0                    | 89.00              | 87.70          | 8,449.9                     | 140.4           | 3,443.5         | 3,446.4                       | 1.33                          | -0.47                        | -1.25                       |
| 11,880.0                    | 89.40              | 87.70          | 8,450.8                     | 143.0           | 3,506.5         | 3,509.4                       | 0.63                          | 0.63                         | 0.00                        |
| 11,944.0                    | 90.00              | 87.40          | 8,451.1                     | 145.7           | 3,570.4         | 3,573.4                       | 1.05                          | 0.94                         | -0.47                       |
| 12,007.0                    | 90.30              | 87.10          | 8,451.0                     | 148.7           | 3,633.3         | 3,636.4                       | 0.67                          | 0.48                         | -0.48                       |
| 12,070.0                    | 90.40              | 87.20          | 8,450.6                     | 151.9           | 3,696.3         | 3,699.4                       | 0.22                          | 0.16                         | 0.16                        |
| 12,134.0                    | 90.50              | 86.20          | 8,450.1                     | 155.5           | 3,760.1         | 3,763.3                       | 1.57                          | 0.16                         | -1.56                       |
| 12,197.0                    | 91.40              | 89.70          | 8,449.0                     | 157.8           | 3,823.1         | 3,826.3                       | 5.74                          | 1.43                         | 5.56                        |

# DDC Survey Report

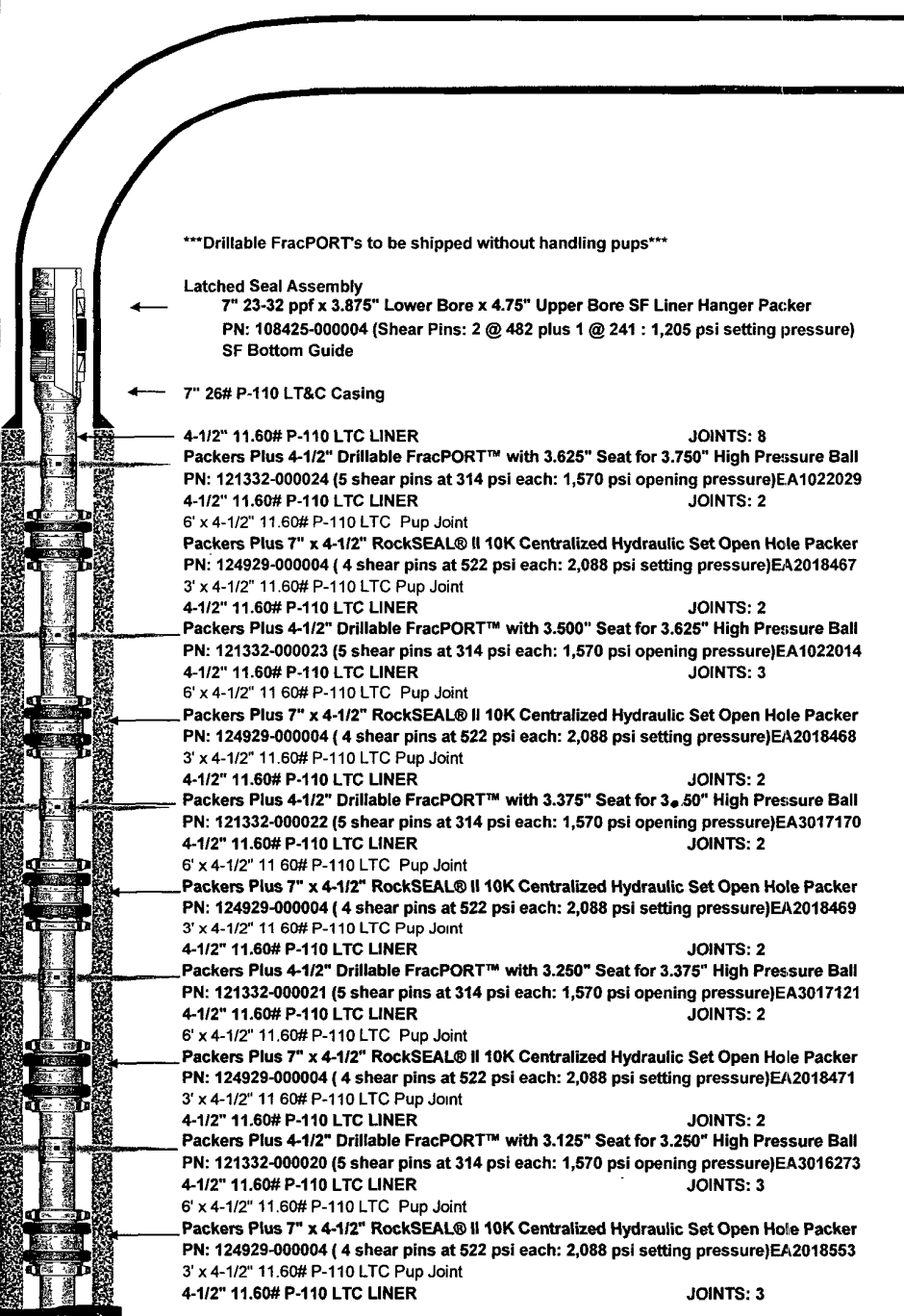


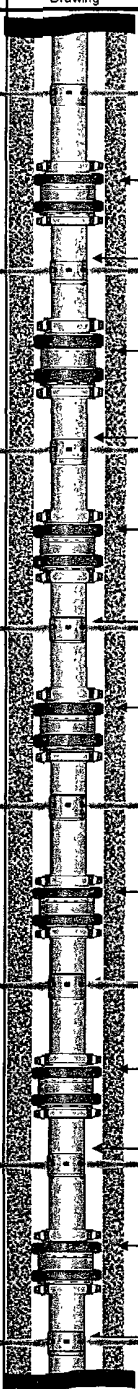
|           |                         |                              |                                       |
|-----------|-------------------------|------------------------------|---------------------------------------|
| Company:  | Mewbourne Oil Co.       | Local Co-ordinate Reference: | Well Tamano 10 Fed Com #7H            |
| Project:  | Eddy County, New Mexico | TVD Reference:               | WELL @ 3734.0usft (Patterson UTI #47) |
| Site:     | Sec 10, T18S, R31E      | MD Reference:                | WELL @ 3734.0usft (Patterson UTI #47) |
| Well:     | Tamano 10 Fed Com #7H   | North Reference:             | Grid                                  |
| Wellbore: | Wellbore #1             | Survey Calculation Method:   | Minimum Curvature                     |
| Design:   | Wellbore #1             | Database:                    | 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) |  |
| 12,229.0                   | 91.30           | 87.90       | 8,448.3               | 158.5        | 3,855.1      | 3,858.3                 | 5.63                    | -0.31                  | -5.63                 |  |
| 12,261.0                   | 89.20           | 86.80       | 8,448.1               | 160.0        | 3,887.0      | 3,890.3                 | 7.41                    | -6.56                  | -3.44                 |  |
| 12,293.0                   | 89.10           | 86.90       | 8,448.6               | 161.7        | 3,919.0      | 3,922.3                 | 0.44                    | -0.31                  | 0.31                  |  |
| 12,325.0                   | 89.20           | 86.90       | 8,449.1               | 163.4        | 3,950.9      | 3,954.3                 | 0.31                    | 0.31                   | 0.00                  |  |
| 12,388.0                   | 89.70           | 86.20       | 8,449.7               | 167.2        | 4,013.8      | 4,017.3                 | 1.37                    | 0.79                   | -1.11                 |  |
| 12,450.0                   | 89.30           | 87.00       | 8,450.2               | 170.9        | 4,075.7      | 4,079.3                 | 1.44                    | -0.65                  | 1.29                  |  |
| 12,513.0                   | 89.20           | 86.50       | 8,451.1               | 174.5        | 4,138.6      | 4,142.2                 | 0.81                    | -0.16                  | -0.79                 |  |
| 12,577.0                   | 89.60           | 86.40       | 8,451.7               | 178.4        | 4,202.5      | 4,206.2                 | 0.64                    | 0.63                   | -0.16                 |  |
| 12,641.0                   | 89.70           | 86.10       | 8,452.1               | 182.6        | 4,266.3      | 4,270.2                 | 0.49                    | 0.16                   | -0.47                 |  |
| 12,705.0                   | 89.60           | 85.70       | 8,452.5               | 187.2        | 4,330.2      | 4,334.2                 | 0.64                    | -0.16                  | -0.63                 |  |
| 12,768.0                   | 90.00           | 85.10       | 8,452.7               | 192.3        | 4,393.0      | 4,397.1                 | 1.14                    | 0.63                   | -0.95                 |  |
| 12,800.0                   | 90.00           | 85.10       | 8,452.7               | 195.0        | 4,424.8      | 4,429.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| TD @ 12851' MD / 8553' TVD |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 12,851.0                   | 89.80           | 85.10       | 8,452.8               | 199.3        | 4,475.7      | 4,480.0                 | 0.39                    | -0.39                  | 0.00                  |  |

| Survey Annotations    |                       |                   |              |                                          |  |
|-----------------------|-----------------------|-------------------|--------------|------------------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                                          |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment                                  |  |
| 7,768.0               | 7,764.3               | 77.6              | -146.4       | Tie In @ 7768' MD / 7764' TVD            |  |
| 8,070.0               | 8,064.4               | 80.4              | -125.2       | Crossed Hard Line @ 8070' MD / 8064' TVD |  |
| 12,851.0              | 8,452.8               | 199.3             | 4,475.7      | TD @ 12851' MD / 8553' TVD               |  |

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

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              |        |                                                                                 |        |                                         |  |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------|---------------------------------------------------------------------------------|--------|-----------------------------------------|--|
|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Do It Once.<br>Do It Right.                                  |        | Confidential Information - not to be disclosed<br>outside Mewbourne Oil Company |        | <b>Completion<br/>FINAL</b>             |  |
| Prepared for<br><b>Mr. Mickey Young</b>                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Company<br><b>Mewbourne Oil Company</b>                      |        | Date<br><b>21-Feb-12</b>                                                        |        |                                         |  |
| Well Name<br><b>Tamano -10- Fed Com #7H</b>                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Type of Installation<br><b>20-Stage 4-1/2" StackFRAC® HD</b> |        | Location<br><b>Eddy County, NM</b>                                              |        |                                         |  |
| Depth                                                                             | Drawing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Description                                                  |        | OD(in)                                                                          | ID(in) | Length                                  |  |
| <b>Page 1 of 3</b>                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              |        |                                                                                 |        |                                         |  |
| BR<br>12"/100'<br>KOP<br>7879'<br>TVD<br>8453'                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |        |                                                                                 |        |                                         |  |
| TOL<br>8504.19'<br>325BBLS                                                        | ***Drillable FracPORT's to be shipped without handling pups***<br><br>Latched Seal Assembly<br>7" 23-32 ppf x 3.875" Lower Bore x 4.75" Upper Bore SF Liner Hanger Packer<br>PN: 108425-000004 (Shear Pins: 2 @ 482 plus 1 @ 241 : 1,205 psi setting pressure)<br>SF Bottom Guide                                                                                                                                                                                                                                                          |                                                              | 5.875" | 4.750                                                                           | 9.71   |                                         |  |
| 7" Shoe<br>8724'                                                                  | 7" 26# P-110 LT&C Casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                              | 5.850" | 3.850                                                                           |        |                                         |  |
| Stage 20<br>8822.11'<br>330BBLS                                                   | 4-1/2" 11.60# P-110 LTC LINER JOINTS: 8<br>Packers Plus 4-1/2" Drillable FracPORT™ with 3.625" Seat for 3.750" High Pressure Ball<br>PN: 121332-000024 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA1022029<br>4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint<br>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer<br>PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2018467<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                              | 4 500" | 4.000                                                                           | 308 74 |                                         |  |
| MD<br>8909.88'                                                                    | 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>Packers Plus 4-1/2" Drillable FracPORT™ with 3.500" Seat for 3.625" High Pressure Ball<br>PN: 121332-000023 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA1022014<br>4-1/2" 11.60# P-110 LTC LINER JOINTS: 3<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint<br>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer<br>PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2018468<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                              | 5 630" | 3.625                                                                           | 2 65   |                                         |  |
| Stage 19<br>8995.41'<br>333BBLS                                                   | 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>Packers Plus 4-1/2" Drillable FracPORT™ with 3.375" Seat for 3.50" High Pressure Ball<br>PN: 121332-000022 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA3017170<br>4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint<br>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer<br>PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2018469<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint  |                                                              | 4 500" | 4.000                                                                           | 79 04  |                                         |  |
| MD<br>9121.77'                                                                    | 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>Packers Plus 4-1/2" Drillable FracPORT™ with 3.250" Seat for 3.375" High Pressure Ball<br>PN: 121332-000021 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA3017121<br>4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint<br>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer<br>PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2018471<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                              | 4 500" | 4.000                                                                           | 6 08   |                                         |  |
| Stage 18<br>9207.51'<br>336BBLS                                                   | 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>Packers Plus 4-1/2" Drillable FracPORT™ with 3.125" Seat for 3.250" High Pressure Ball<br>PN: 121332-000020 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA3016273<br>4-1/2" 11.60# P-110 LTC LINER JOINTS: 3<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint<br>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer<br>PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2018553<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                              | 5 750" | 3.875                                                                           | 5 25   |                                         |  |
| MD<br>9293.42'                                                                    | 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>Packers Plus 4-1/2" Drillable FracPORT™ with 3.250" Seat for 3.375" High Pressure Ball<br>PN: 121332-000021 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA3017121<br>4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint<br>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer<br>PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2018471<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                              | 4 500" | 4.000                                                                           | 3 1    |                                         |  |
| Stage 17<br>9378.51'<br>339BBLS                                                   | 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>Packers Plus 4-1/2" Drillable FracPORT™ with 3.125" Seat for 3.250" High Pressure Ball<br>PN: 121332-000020 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA3016273<br>4-1/2" 11.60# P-110 LTC LINER JOINTS: 3<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint<br>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer<br>PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2018553<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                              | 4 500" | 4.000                                                                           | 77 18  |                                         |  |
| MD<br>9466.02'                                                                    | 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>Packers Plus 4-1/2" Drillable FracPORT™ with 3.125" Seat for 3.250" High Pressure Ball<br>PN: 121332-000020 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA3016273<br>4-1/2" 11.60# P-110 LTC LINER JOINTS: 3<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint<br>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer<br>PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2018553<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                              | 5 750" | 3.875                                                                           | 5 25   |                                         |  |
| Stage 16<br>9552.72'<br>341BBLS                                                   | 4-1/2" 11.60# P-110 LTC LINER JOINTS: 2<br>Packers Plus 4-1/2" Drillable FracPORT™ with 3.125" Seat for 3.250" High Pressure Ball<br>PN: 121332-000020 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA3016273<br>4-1/2" 11.60# P-110 LTC LINER JOINTS: 3<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint<br>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer<br>PN: 124929-000004 (4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2018553<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                              | 4 500" | 4.000                                                                           | 116 82 |                                         |  |
| MD<br>9679.56'                                                                    | 4-1/2" 11.60# P-110 LTC LINER JOINTS: 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                              | 4 500" | 4.000                                                                           | 116 82 |                                         |  |
| Service Center<br>Midland, TX                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Telephone<br>432-563-8024                                    |        | Contact<br>Scott Mabry                                                          |        | Telephone<br>Chad Williams 405-255-3223 |  |

|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        |                                                                                 |        |                             |  |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------|--------|-----------------------------|--|
|  |                                                                                                                                                                                                                                                                                       | Do It Once.<br>Do It Right                                                                                                                                                                                                                                                            |        | Confidential Information - not to be disclosed<br>outside Mewbourne Oil Company |        | <b>Completion<br/>FINAL</b> |  |
| Prepared for<br><b>Mr. Mickey Young</b>                                           |                                                                                                                                                                                                                                                                                       | Company<br><b>Mewbourne Oil Company</b>                                                                                                                                                                                                                                               |        | Date<br><b>21-Feb-12</b>                                                        |        |                             |  |
| Well Name<br><b>Tamano -10- Fed Com #7H</b>                                       |                                                                                                                                                                                                                                                                                       | Type of Installation<br><b>20-Stage 4-1/2" StackFRAC® HD</b>                                                                                                                                                                                                                          |        | Location<br><b>Eddy County, NM</b>                                              |        |                             |  |
| Depth                                                                             | Drawing                                                                                                                                                                                                                                                                               | Description                                                                                                                                                                                                                                                                           |        | OD(in)                                                                          | ID(in) | Length                      |  |
| <b>Page 2 of 3</b>                                                                |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        |                                                                                 |        |                             |  |
| Stage 15<br>9804.72'<br>345BBLs                                                   |                                                                                                                                                                                                     | <b>Packers Plus 4-1/2" Drillable FracPORT™ with 3.000" Seat for 3.125" High Pressure Ball</b><br>PN: 121332-000019 (5 shear pins at 314 psi each; 1,570 psi opening pressure)EA3016228<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 2<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint |        | 5 630"                                                                          | 3.000  | 2 65                        |  |
| MD<br>9889.55'                                                                    |                                                                                                                                                                                                                                                                                       | <b>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer</b><br>PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)EA2018546<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 3   |        | 4 500"                                                                          | 3.92"  | 76 1                        |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        | 4 500"                                                                          | 4 000  | 6 08                        |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        | 5 750"                                                                          | 3.875  | 5 25                        |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        | 4 500"                                                                          | 4 000  | 3.08                        |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        | 4 500"                                                                          | 4 000  | 115 1                       |  |
| Stage 14<br>10012.98'<br>348BBLs                                                  |                                                                                                                                                                                                                                                                                       | <b>Packers Plus 4-1/2" Drillable FracPORT™ with 2.875" Seat for 3.000" High Pressure Ball</b><br>PN: 121332-000018 (5 shear pins at 314 psi each; 1,570 psi opening pressure)EA3016331<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 3<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint |        | 5 630"                                                                          | 2.875  | 2.65                        |  |
| MD<br>10136.59'                                                                   |                                                                                                                                                                                                                                                                                       | <b>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer</b><br>PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)EA2018551<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 2   |        | 4 500"                                                                          | 4 000  | 3.09                        |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        | 4 500"                                                                          | 4 000  | 77.61                       |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        | 5 630"                                                                          | 2.750  | 2.65                        |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        | 4 500"                                                                          | 4 000  | 114 89                      |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        | 4 500"                                                                          | 4 000  | 6 07                        |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       |        | 5 750"                                                                          | 3.875  | 5 25                        |  |
| Stage 13<br>10222.54'<br>352BBLs                                                  |                                                                                                                                                                                                                                                                                       | <b>Packers Plus 4-1/2" Drillable FracPORT™ with 2.750" Seat for 2.875" High Pressure Ball</b><br>PN: 121332-000017 (5 shear pins at 314 psi each; 1,570 psi opening pressure)EA1022522<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 2<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint |        | 4 500"                                                                          | 4 000  | 3.08                        |  |
| MD<br>10308.96'                                                                   |                                                                                                                                                                                                                                                                                       | <b>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer</b><br>PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)EA2018472<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 3   |        | 4 500"                                                                          | 4 000  | 118 89                      |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 5 630" | 2.625                                                                           | 2.65   |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 3.840  |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 116 67 |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 6 08   |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 5 750" | 3.875                                                                           | 5.25   |                             |  |
| Stage 12<br>10436.20'<br>355BBLs                                                  | <b>Packers Plus 4-1/2" Drillable FracPORT™ with 2.625" Seat for 2.750" High Pressure Ball</b><br>PN: 121332-000016 (5 shear pins at 314 psi each; 1,570 psi opening pressure)EA3017011<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 3<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 3 1    |                             |  |
| MD<br>10561.60'                                                                   | <b>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer</b><br>PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)EA2018547<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 3   |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 115.21 |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 5 630" | 2.500                                                                           | 2 65   |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 78 39  |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 6 07   |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 5 750" | 3.875                                                                           | 5.25   |                             |  |
| Stage 11<br>10685.16'<br>359BBLs                                                  | <b>Packers Plus 4-1/2" Drillable FracPORT™ with 2.500" Seat for 2.625" High Pressure Ball</b><br>PN: 121332-000015 (5 shear pins at 314 psi each; 1,570 psi opening pressure)EA3016960<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 2<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 3 11   |                             |  |
| MD<br>10772.27'                                                                   | <b>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer</b><br>PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)EA2018540<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 3   |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 116.39 |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 5 630" | 2.375                                                                           | 2.65   |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 3.840  |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 78.72  |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 6.08   |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 5 750" | 3.875                                                                           | 5.25   |                             |  |
| Stage 10<br>10897.02'<br>362BBLs                                                  | <b>Packers Plus 4-1/2" Drillable FracPORT™ with 2.375" Seat for 2.500" High Pressure Ball</b><br>PN: 121332-000014 (5 shear pins at 314 psi each; 1,570 psi opening pressure)EA1021574<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 2<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 3.08   |                             |  |
| MD<br>10984.47'                                                                   | <b>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer</b><br>PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)EA2018552<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 2   |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 77.85  |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 5 630" | 2.250                                                                           | 2.65   |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 3.840  |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 77.5   |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 6.09   |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 5 750" | 3.875                                                                           | 5.25   |                             |  |
| Stage 9<br>11070.65'<br>365BBLs                                                   | <b>Packers Plus 4-1/2" Drillable FracPORT™ with 2.250" Seat for 2.375" High Pressure Ball</b><br>PN: 121332-000013 (5 shear pins at 314 psi each; 1,570 psi opening pressure)EA3016903<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 2<br>6' x 4-1/2" 11.60# P-110 LTC Pup Joint |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 3 01   |                             |  |
| MD<br>11156.89'                                                                   | <b>Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer</b><br>PN: 124929-000004 (4 shear pins at 522 psi each; 2,088 psi setting pressure)EA2017752<br>3' x 4-1/2" 11.60# P-110 LTC Pup Joint<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 3   |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 117.3  |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 5 630" | 2.125                                                                           | 2.65   |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 3.840  |                             |  |
|                                                                                   |                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                       | 4 500" | 4 000                                                                           | 114.18 |                             |  |
| Stage 8<br>11282.45'<br>368BBLs                                                   | <b>Packers Plus 4-1/2" Drillable FracPORT™ with 2.125" Seat for 2.250" High Pressure Ball</b><br>PN: 121332-000012 (5 shear pins at 314 psi each; 1,570 psi opening pressure)EA3016846<br><b>4-1/2" 11.60# P-110 LTC LINER</b><br>JOINTS: 3                                           |                                                                                                                                                                                                                                                                                       |        |                                                                                 |        |                             |  |
| Service Center                                                                    |                                                                                                                                                                                                                                                                                       | Telephone                                                                                                                                                                                                                                                                             |        | Telephone                                                                       |        |                             |  |
| Midland, TX                                                                       |                                                                                                                                                                                                                                                                                       | 432-563-8024                                                                                                                                                                                                                                                                          |        | Contact                                                                         |        | Chad Williams 405-255-3223  |  |



Do It Once.  
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outside Mewbourne Oil Company

Completion  
FINAL

| Prepared for                                                                           |         | Company                                                                                                                                                                        | Date                       |        |        |  |
|----------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------|--------|--|
| Mr. Mickey Young                                                                       |         | Mewbourne Oil Company                                                                                                                                                          | 21-Feb-12                  |        |        |  |
| Well Name                                                                              |         | Type of Installation                                                                                                                                                           | Location                   |        |        |  |
| Tamano -10- Fed Com #7H                                                                |         | 20-Stage 4-1/2" StackFRAC® HD                                                                                                                                                  | Eddy County, NM            |        |        |  |
| Depth                                                                                  | Drawing | Description                                                                                                                                                                    | OD(in)                     | ID(in) | Length |  |
| Page 3 of 3                                                                            |         |                                                                                                                                                                                |                            |        |        |  |
| MD                                                                                     |         | 6' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                                                                                                         | 4.500"                     | 4.000  | 6.1    |  |
| 11405.38'                                                                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer<br>PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2017840 | 5.750"                     | 3.875  | 5.25   |  |
| 3' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                 |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 3.11   |  |
| 4-1/2" 11.60# P-110 LTC LINER                                                          |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 115.63 |  |
| Stage 7                                                                                |         | Packers Plus 4-1/2" Drillable FracPORT™ with 2.000" Seat for 2.125" High Pressure Ball                                                                                         | 5.630"                     | 2.000  | 2.65   |  |
| 11529.37'                                                                              |         | PN: 121332-000011 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA1022609                                                                                          |                            | 3.840  |        |  |
| 372BBLS                                                                                |         | 4-1/2" 11.60# P-110 LTC LINER                                                                                                                                                  | 4.500"                     | 4.000  | 78.49  |  |
| JOINTS: 2                                                                              |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 6.09   |  |
| 6' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                 |         |                                                                                                                                                                                | 5.750"                     | 3.875  | 5.25   |  |
| MD                                                                                     |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer                                                                                           |                            |        |        |  |
| 11616.60'                                                                              |         | PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2017778                                                                                         | 4.500"                     | 4.000  | 3.01   |  |
| 3' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                 |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 76.1   |  |
| 4-1/2" 11.60# P-110 LTC LINER                                                          |         |                                                                                                                                                                                | 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                                                                                         |                            | 3.840  |        |  |
| 11700.96'                                                                              |         | PN: 121332-000010 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA1019653                                                                                          | 4.500"                     | 4.000  | 116.8  |  |
| 375BBLS                                                                                |         | 4-1/2" 11.60# P-110 LTC LINER                                                                                                                                                  | 4.500"                     | 4.000  | 6.09   |  |
| JOINTS: 3                                                                              |         |                                                                                                                                                                                | 5.750"                     | 3.875  | 5.25   |  |
| MD                                                                                     |         | 6' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                                                                                                         |                            |        |        |  |
| 11826.50'                                                                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer                                                                                           | 4.500"                     | 4.000  | 3.1    |  |
| PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2017846 |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 76.15  |  |
| 3' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                 |         |                                                                                                                                                                                | 5.630"                     | 1.750  | 2.65   |  |
| 4-1/2" 11.60# P-110 LTC LINER                                                          |         |                                                                                                                                                                                |                            | 3.840  |        |  |
| Stage 5                                                                                |         | Packers Plus 4-1/2" Drillable FracPORT™ with 1.750" Seat for 1.875" High Pressure Ball                                                                                         | 4.500"                     | 4.000  | 78.19  |  |
| 11911.00'                                                                              |         | PN: 121332-000009 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA1021289                                                                                          | 4.500"                     | 4.000  | 6.08   |  |
| 378BBLS                                                                                |         | 4-1/2" 11.60# P-110 LTC LINER                                                                                                                                                  | 5.750"                     | 3.875  | 5.25   |  |
| JOINTS: 2                                                                              |         |                                                                                                                                                                                |                            |        |        |  |
| MD                                                                                     |         | 6' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                                                                                                         | 4.500"                     | 4.000  | 3.09   |  |
| 11997.92'                                                                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer                                                                                           | 4.500"                     | 4.000  | 116.82 |  |
| PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2017844 |         |                                                                                                                                                                                | 5.630"                     | 1.625  | 2.65   |  |
| 3' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                 |         |                                                                                                                                                                                |                            | 3.840  |        |  |
| 4-1/2" 11.60# P-110 LTC LINER                                                          |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 117.82 |  |
| Stage 4                                                                                |         | Packers Plus 4-1/2" Drillable FracPORT™ with 1.625" Seat for 1.750" High Pressure Ball                                                                                         | 4.500"                     | 4.000  | 6.1    |  |
| 12123.08'                                                                              |         | PN: 121332-000008 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA1017284                                                                                          | 5.750"                     | 3.875  | 5.25   |  |
| 381BBLS                                                                                |         | 4-1/2" 11.60# P-110 LTC LINER                                                                                                                                                  |                            |        |        |  |
| JOINTS: 3                                                                              |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 3.05   |  |
| MD                                                                                     |         | 6' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                                                                                                         | 4.500"                     | 4.000  | 74.99  |  |
| 12249.65'                                                                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer                                                                                           | 5.630"                     | 1.500  | 2.65   |  |
| PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2017876 |         |                                                                                                                                                                                |                            | 3.840  |        |  |
| 3' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                 |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 76.96  |  |
| 4-1/2" 11.60# P-110 LTC LINER                                                          |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 6.1    |  |
| Stage 3                                                                                |         | Packers Plus 4-1/2" Drillable FracPORT™ with 1.500" Seat for 1.625" High Pressure Ball                                                                                         | 5.750"                     | 3.875  | 5.25   |  |
| 12332.94'                                                                              |         | PN: 121332-000007 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA1016066                                                                                          |                            |        |        |  |
| 384BBLS                                                                                |         | 4-1/2" 11.60# P-110 LTC LINER                                                                                                                                                  | 4.500"                     | 4.000  | 3.03   |  |
| JOINTS: 2                                                                              |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 113.67 |  |
| MD                                                                                     |         | 6' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                                                                                                         | 5.630"                     | 1.375  | 2.65   |  |
| 12418.65'                                                                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer                                                                                           |                            | 3.840  |        |  |
| PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2017775 |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 115.25 |  |
| 3' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                 |         |                                                                                                                                                                                | 4.500"                     | 4.000  | 6.07   |  |
| 4-1/2" 11.60# P-110 LTC LINER                                                          |         |                                                                                                                                                                                | 5.750"                     | 3.875  | 5.25   |  |
| Stage 2                                                                                |         | Packers Plus 4-1/2" Drillable FracPORT™ with 1.375" Seat for 1.500" High Pressure Ball                                                                                         |                            |        |        |  |
| 12540.60'                                                                              |         | PN: 121332-000006 (5 shear pins at 314 psi each: 1,570 psi opening pressure)EA0066063                                                                                          | 4.500"                     | 4.000  | 3.03   |  |
| 388BBLS                                                                                |         | 4-1/2" 11.60# P-110 LTC LINER                                                                                                                                                  | 4.500"                     | 4.000  | 117.15 |  |
| JOINTS: 3                                                                              |         |                                                                                                                                                                                |                            |        |        |  |
| MD                                                                                     |         | 6' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                                                                                                         |                            |        |        |  |
| 12664.57'                                                                              |         | Packers Plus 7" x 4-1/2" RockSEAL® II 10K Centralized Hydraulic Set Open Hole Packer                                                                                           |                            |        |        |  |
| PN: 124929-000004 ( 4 shear pins at 522 psi each: 2,088 psi setting pressure)EA2017870 |         |                                                                                                                                                                                |                            |        |        |  |
| 3' x 4-1/2" 11.60# P-110 LTC Pup Joint                                                 |         |                                                                                                                                                                                |                            |        |        |  |
| 4-1/2" 11.60# P-110 LTC LINER                                                          |         |                                                                                                                                                                                |                            |        |        |  |
| Stage 1                                                                                |         | Customer 4-1/2" Pump Off Sub                                                                                                                                                   |                            |        |        |  |
| 12790'                                                                                 |         | (Pinned above 4000 PSI)                                                                                                                                                        |                            |        |        |  |
| 391BBLS                                                                                |         |                                                                                                                                                                                |                            |        |        |  |
| TMD                                                                                    |         |                                                                                                                                                                                |                            |        |        |  |
| 12851'                                                                                 |         |                                                                                                                                                                                |                            |        |        |  |
| Service Center                                                                         |         | Telephone                                                                                                                                                                      | Contact                    |        |        |  |
| Midland, TX                                                                            |         | 432-563-8024                                                                                                                                                                   | Scott Mabry                |        |        |  |
|                                                                                        |         |                                                                                                                                                                                | Telephone                  |        |        |  |
|                                                                                        |         |                                                                                                                                                                                | Chad Williams 405-255-3223 |        |        |  |