

RWP  
7/9/20

Intent ☐ As Drilled ☒

|                                         |                                               |                    |
|-----------------------------------------|-----------------------------------------------|--------------------|
| API #<br>30-015-46208                   |                                               |                    |
| Operator Name:<br>Mewbourne Oil Company | Property Name:<br>Wishbone 35/34 B2PM Fed Com | Well Number<br>#1H |

Kick Off Point (KOP)

|                        |               |                 |              |     |                           |               |            |               |                 |
|------------------------|---------------|-----------------|--------------|-----|---------------------------|---------------|------------|---------------|-----------------|
| UL<br>P                | Section<br>35 | Township<br>14S | Range<br>29E | Lot | Feet<br>949               | From N/S<br>S | Feet<br>35 | From E/W<br>E | County<br>Edley |
| Latitude<br>32.6994869 |               |                 |              |     | Longitude<br>-104.0369583 |               |            |               | NAD<br>83       |

First Take Point (FTP)

|                        |               |                 |              |     |                           |               |             |               |                 |
|------------------------|---------------|-----------------|--------------|-----|---------------------------|---------------|-------------|---------------|-----------------|
| UL<br>P                | Section<br>35 | Township<br>14S | Range<br>29E | Lot | Feet<br>922               | From N/S<br>S | Feet<br>370 | From E/W<br>E | County<br>Edley |
| Latitude<br>32.6994122 |               |                 |              |     | Longitude<br>-104.0380583 |               |             |               | NAD<br>83       |

Last Take Point (LTP)

|                        |               |                 |              |     |                           |               |            |               |                 |
|------------------------|---------------|-----------------|--------------|-----|---------------------------|---------------|------------|---------------|-----------------|
| UL<br>M                | Section<br>34 | Township<br>14S | Range<br>29E | Lot | Feet<br>922               | From N/S<br>S | Feet<br>46 | From E/W<br>W | County<br>Edley |
| Latitude<br>32.6995692 |               |                 |              |     | Longitude<br>-104.0707039 |               |            |               | NAD<br>83       |

Is this well the defining well for the Horizontal Spacing Unit? ☒

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

|                |                |             |
|----------------|----------------|-------------|
| API #          |                |             |
| Operator Name: | Property Name: | Well Number |

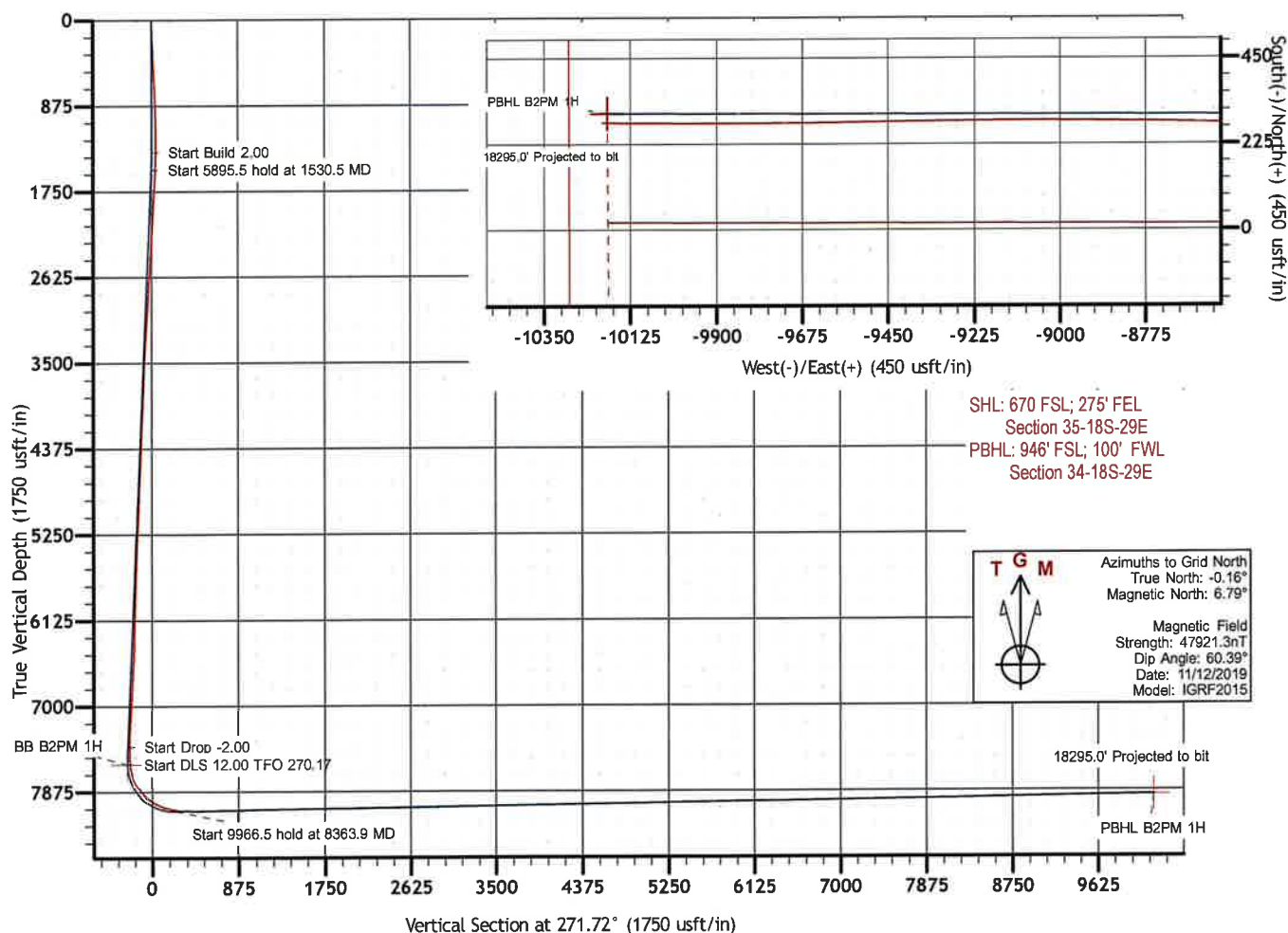
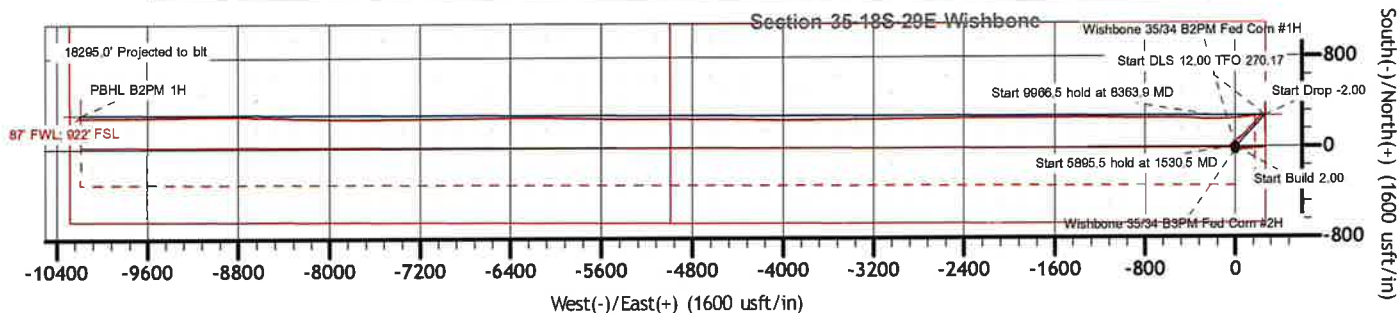


COMPANY: Mewbourne Oil Company  
WELL: Wishbone 35/34 B2PM Fed Com #1H  
COUNTY: Eddy County, N.M. Nad (83)  
DATUM: North American Datum 1983  
RIG: Patterson 217



GRID CORRECTION: To convert a Magnetic Direction to a Grid Direction, Add 6.79°

| GEODETIC ZONE: New Mexico Eastern Zone |         |       |        |           |       |           |       |                  |         |                  |      |
|----------------------------------------|---------|-------|--------|-----------|-------|-----------|-------|------------------|---------|------------------|------|
| 3435+27 @ 3462.0usft (Patterson 217)   |         |       |        |           |       |           |       |                  |         |                  |      |
| GROUND ELEVATION: 3435.0               |         |       |        |           |       |           |       |                  |         |                  |      |
| +N/-S                                  |         | +E/-W |        | Northing  |       | Easting   |       | Latitude         |         | Longitude        | Slot |
| 0.0                                    |         | 0.0   |        | 618053.60 |       | 632264.60 |       | 32° 41' 55.405 N |         | 104° 2' 15.885 W |      |
| PLAN SECTIONS                          |         |       |        |           |       |           |       |                  |         |                  |      |
| Sec                                    | MD      | Inc   | Azi    | TVD       | +N/-S | +E/-W     | Dleg  | TFace            | VSect   | Target           |      |
| 1                                      | 0.0     | 0.00  | 0.00   | 0.0       | 0.0   | 0.0       | 0.00  | 0.00             | 0.0     |                  |      |
| 2                                      | 1350.0  | 0.00  | 0.00   | 1350.0    | 0.0   | 0.0       | 0.00  | 0.00             | 0.0     |                  |      |
| 3                                      | 1530.5  | 3.61  | 43.84  | 1530.4    | 4.1   | 3.9       | 2.00  | 43.84            | -3.8    |                  |      |
| 4                                      | 7426.0  | 3.61  | 43.84  | 7414.2    | 271.9 | 261.1     | 0.00  | 0.00             | -252.8  |                  |      |
| 5                                      | 7606.5  | 0.00  | 0.00   | 7594.6    | 276.0 | 265.0     | 2.00  | 180.00           | -256.6  | BB B2PM 1H       |      |
| 6                                      | 8363.9  | 90.88 | 270.17 | 8072.0    | 277.4 | -219.8    | 12.00 | 270.17           | 228.0   |                  |      |
| 7                                      | 18330.4 | 90.88 | 270.17 | 7919.0    | 306.4 | -10185.1  | 0.00  | 0.00             | 10189.7 | PBHL B2PM 1H     |      |





# **Mewbourne Oil Company**

**Eddy County, N.M. Nad (83)**

**Section 35-18S-29E Wishbone**

**Wishbone 35/34 B2PM Fed Com #1H**

**Original Hole**

**Design: As Drilled**

## **Standard Survey Report**

**16 December, 2019**





# Stryker Energy Directional Services

## Survey Report



|                  |                                 |                                     |                                      |
|------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Site Section 35-18S-29E Wishbone     |
| <b>Project:</b>  | Eddy County, N.M. Nad (83)      | <b>TVD Reference:</b>               | 3435+27 @ 3462.0usft (Patterson 217) |
| <b>Site:</b>     | Section 35-18S-29E Wishbone     | <b>MD Reference:</b>                | 3435+27 @ 3462.0usft (Patterson 217) |
| <b>Well:</b>     | Wishbone 35/34 B2PM Fed Com #1H | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | As Drilled                      | <b>Database:</b>                    | EDM5000                              |

|                    |                            |                      |                |
|--------------------|----------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy County, N.M. Nad (83) |                      |                |
| <b>Map System:</b> | US State Plane 1983        | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983  |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone    |                      |                |

| Site                  |          | Section 35-18S-29E Wishbone |                 |                   |                  |
|-----------------------|----------|-----------------------------|-----------------|-------------------|------------------|
| Site Position:        |          | Northing:                   | 618,053.60 usft | Latitude:         | 32° 41' 55.405 N |
| From:                 | Map      | Easting:                    | 632,264.60 usft | Longitude:        | 104° 2' 15.885 W |
| Position Uncertainty: | 0.0 usft | Slot Radius:                | 13-3/16 "       | Grid Convergence: | 0.16 °           |

|                      |                                 |          |                     |                 |               |                  |
|----------------------|---------------------------------|----------|---------------------|-----------------|---------------|------------------|
| Well                 | Wishbone 35/34 B2PM Fed Com #1H |          |                     |                 |               |                  |
| Well Position        | +N/-S                           | 0.0 usft | Northing:           | 618,053.60 usft | Latitude:     | 32° 41' 55.405 N |
|                      | +E/-W                           | 0.0 usft | Easting:            | 632,264.60 usft | Longitude:    | 104° 2' 15.885 W |
| Position Uncertainty |                                 | 0.0 usft | Wellhead Elevation: | 27.0 usft       | Ground Level: | 3,435.0 usft     |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Hole     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2015          | 11/12/19           | 6.95                   | 60.39                | 47,921.28564589            |

|                          |                                |                     |                     |                      |     |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|-----|
| <b>Design</b>            | As Drilled                     |                     |                     |                      |     |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |     |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> | 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |     |
|                          | 0.0                            | 0.0                 | 0.0                 | 271.58               |     |

|                       |                      |                                 |                  |                                |
|-----------------------|----------------------|---------------------------------|------------------|--------------------------------|
| <b>Survey Program</b> | <b>Date</b> 12/16/19 |                                 |                  |                                |
| <b>From (usft)</b>    | <b>To (usft)</b>     | <b>Survey (Wellbore)</b>        | <b>Tool Name</b> | <b>Description</b>             |
| 100.0                 | 1,200.0              | Gyro Surveys (Original Hole)    | SRG-GYRO-MS      | surface readout gyro multishot |
| 1,313.0               | 18,295.0             | Stryker Surveys (Original Hole) | MWD              | MWD v3:standard declination    |

|                              |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| <b>Survey</b>                |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |  |
| 0.0                          | 0.00                   | 0.00               | 0.0                          | 0.0                 | 0.0                 | 0.0                            | 0.00                           | 0.00                          | 0.00                         |  |
| 100.0                        | 1.64                   | 270.50             | 100.0                        | 0.0                 | -1.4                | 1.4                            | 1.64                           | 1.64                          | 0.00                         |  |
| 200.0                        | 2.31                   | 264.96             | 199.9                        | -0.2                | -4.9                | 4.9                            | 0.70                           | 0.67                          | -5.54                        |  |
| 300.0                        | 2.39                   | 269.68             | 299.8                        | -0.3                | -9.0                | 8.9                            | 0.21                           | 0.08                          | 4.72                         |  |
| 400.0                        | 2.81                   | 275.91             | 399.7                        | -0.1                | -13.5               | 13.5                           | 0.51                           | 0.42                          | 6.23                         |  |
| 500.0                        | 2.92                   | 276.34             | 499.6                        | 0.4                 | -18.5               | 18.5                           | 0.11                           | 0.11                          | 0.43                         |  |
| 600.0                        | 2.83                   | 274.00             | 599.5                        | 0.9                 | -23.4               | 23.5                           | 0.15                           | -0.09                         | -2.34                        |  |
| 700.0                        | 2.84                   | 274.71             | 699.4                        | 1.3                 | -28.4               | 28.4                           | 0.04                           | 0.01                          | 0.71                         |  |
| 800.0                        | 2.54                   | 279.74             | 799.3                        | 1.8                 | -33.0               | 33.1                           | 0.38                           | -0.30                         | 5.03                         |  |
| 900.0                        | 2.35                   | 285.09             | 899.2                        | 2.7                 | -37.2               | 37.3                           | 0.30                           | -0.19                         | 5.35                         |  |



# Stryker Energy Directional Services

## Survey Report



|                  |                                 |                                     |                                      |
|------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Site Section 35-18S-29E Wishbone     |
| <b>Project:</b>  | Eddy County, N.M. Nad (83)      | <b>TVD Reference:</b>               | 3435+27 @ 3462.0usft (Patterson 217) |
| <b>Site:</b>     | Section 35-18S-29E Wishbone     | <b>MD Reference:</b>                | 3435+27 @ 3462.0usft (Patterson 217) |
| <b>Well:</b>     | Wishbone 35/34 B2PM Fed Com #1H | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | As Drilled                      | <b>Database:</b>                    | EDM5000                              |

### Survey

| Measured Depth (usft)        | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 1,000.0                      | 1.12            | 306.56      | 999.1                 | 3.9          | -40.0        | 40.1                    | 1.37                    | -1.23                  | 21.47                 |
| 1,100.0                      | 1.14            | 328.29      | 1,099.1               | 5.3          | -41.3        | 41.4                    | 0.43                    | 0.02                   | 21.73                 |
| 1,200.0                      | 1.31            | 338.04      | 1,199.1               | 7.2          | -42.2        | 42.4                    | 0.27                    | 0.17                   | 9.75                  |
| <b>First Stryker Surveys</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,313.0                      | 1.50            | 350.40      | 1,312.0               | 9.9          | -42.9        | 43.2                    | 0.32                    | 0.17                   | 10.94                 |
| 1,439.0                      | 3.50            | 41.10       | 1,437.9               | 14.4         | -40.7        | 41.1                    | 2.22                    | 1.59                   | 40.24                 |
| 1,628.0                      | 4.40            | 53.00       | 1,626.5               | 23.1         | -31.1        | 31.7                    | 0.64                    | 0.48                   | 6.30                  |
| 1,817.0                      | 4.40            | 51.70       | 1,814.9               | 31.9         | -19.6        | 20.5                    | 0.05                    | 0.00                   | -0.69                 |
| 2,006.0                      | 4.40            | 53.60       | 2,003.4               | 40.7         | -8.1         | 9.2                     | 0.08                    | 0.00                   | 1.01                  |
| 2,195.0                      | 4.20            | 50.90       | 2,191.8               | 49.4         | 3.1          | -1.7                    | 0.15                    | -0.11                  | -1.43                 |
| 2,384.0                      | 3.90            | 49.60       | 2,380.4               | 57.9         | 13.4         | -11.8                   | 0.17                    | -0.16                  | -0.69                 |
| 2,573.0                      | 3.80            | 47.20       | 2,568.9               | 66.4         | 22.9         | -21.0                   | 0.10                    | -0.05                  | -1.27                 |
| 2,763.0                      | 4.60            | 55.50       | 2,758.4               | 75.0         | 33.8         | -31.7                   | 0.53                    | 0.42                   | 4.37                  |
| 2,952.0                      | 4.50            | 54.60       | 2,946.8               | 83.5         | 46.0         | -43.7                   | 0.07                    | -0.05                  | -0.48                 |
| 3,142.0                      | 4.40            | 54.00       | 3,136.3               | 92.1         | 58.0         | -55.4                   | 0.06                    | -0.05                  | -0.32                 |
| 3,332.0                      | 4.30            | 54.90       | 3,325.7               | 100.5        | 69.7         | -66.9                   | 0.06                    | -0.05                  | 0.47                  |
| 3,521.0                      | 4.00            | 50.40       | 3,514.2               | 108.8        | 80.6         | -77.6                   | 0.23                    | -0.16                  | -2.38                 |
| 3,711.0                      | 3.70            | 47.30       | 3,703.8               | 117.2        | 90.2         | -87.0                   | 0.19                    | -0.16                  | -1.63                 |
| 3,901.0                      | 3.10            | 28.10       | 3,893.5               | 125.9        | 97.2         | -93.6                   | 0.67                    | -0.32                  | -10.11                |
| 4,090.0                      | 4.00            | 32.40       | 4,082.1               | 135.9        | 103.1        | -99.3                   | 0.50                    | 0.48                   | 2.28                  |
| 4,280.0                      | 4.60            | 43.40       | 4,271.6               | 147.1        | 111.9        | -107.8                  | 0.54                    | 0.32                   | 5.79                  |
| 4,469.0                      | 3.90            | 38.20       | 4,460.0               | 157.6        | 121.1        | -116.7                  | 0.42                    | -0.37                  | -2.75                 |
| 4,657.0                      | 3.60            | 48.90       | 4,647.6               | 166.5        | 129.5        | -124.8                  | 0.40                    | -0.16                  | 5.69                  |
| 4,847.0                      | 3.40            | 48.50       | 4,837.3               | 174.2        | 138.2        | -133.3                  | 0.11                    | -0.11                  | -0.21                 |
| 5,037.0                      | 3.30            | 47.10       | 5,027.0               | 181.7        | 146.4        | -141.3                  | 0.07                    | -0.05                  | -0.74                 |
| 5,227.0                      | 3.30            | 50.20       | 5,216.6               | 188.9        | 154.6        | -149.3                  | 0.09                    | 0.00                   | 1.63                  |
| 5,416.0                      | 3.00            | 52.30       | 5,405.4               | 195.4        | 162.7        | -157.2                  | 0.17                    | -0.16                  | 1.11                  |
| 5,605.0                      | 2.90            | 45.90       | 5,594.1               | 201.7        | 170.0        | -164.4                  | 0.18                    | -0.05                  | -3.39                 |
| 5,794.0                      | 2.70            | 35.40       | 5,782.9               | 208.7        | 176.1        | -170.2                  | 0.29                    | -0.11                  | -5.56                 |
| 5,984.0                      | 3.20            | 36.80       | 5,972.6               | 216.6        | 181.8        | -175.8                  | 0.27                    | 0.26                   | 0.74                  |
| 6,174.0                      | 2.80            | 33.80       | 6,162.4               | 224.7        | 187.6        | -181.3                  | 0.23                    | -0.21                  | -1.58                 |
| 6,362.0                      | 3.30            | 33.50       | 6,350.1               | 233.0        | 193.1        | -186.6                  | 0.27                    | 0.27                   | -0.16                 |
| 6,551.0                      | 3.30            | 40.70       | 6,538.8               | 241.7        | 199.7        | -192.9                  | 0.22                    | 0.00                   | 3.81                  |
| 6,646.0                      | 4.00            | 46.20       | 6,633.6               | 246.0        | 203.9        | -197.0                  | 0.82                    | 0.74                   | 5.79                  |
| 6,741.0                      | 4.40            | 55.00       | 6,728.3               | 250.4        | 209.2        | -202.2                  | 0.80                    | 0.42                   | 9.26                  |
| 6,930.0                      | 4.10            | 50.10       | 6,916.8               | 258.9        | 220.4        | -213.1                  | 0.25                    | -0.16                  | -2.59                 |
| 7,118.0                      | 3.70            | 58.50       | 7,104.4               | 266.4        | 230.7        | -223.2                  | 0.37                    | -0.21                  | 4.47                  |
| 7,308.0                      | 3.00            | 42.40       | 7,294.1               | 273.3        | 239.3        | -231.6                  | 0.61                    | -0.37                  | -8.47                 |
| 7,403.0                      | 0.70            | 21.60       | 7,389.0               | 275.6        | 241.2        | -233.5                  | 2.48                    | -2.42                  | -21.89                |
| 7,522.0                      | 1.40            | 1.70        | 7,508.0               | 277.8        | 241.5        | -233.7                  | 0.65                    | 0.59                   | -16.72                |
| 7,549.0                      | 1.30            | 0.40        | 7,535.0               | 278.4        | 241.5        | -233.7                  | 0.39                    | -0.37                  | -4.81                 |
| 7,596.0                      | 3.90            | 284.30      | 7,581.9               | 279.3        | 239.9        | -232.1                  | 8.09                    | 5.53                   | -161.91               |
| 7,643.0                      | 9.70            | 269.10      | 7,628.6               | 279.7        | 234.4        | -226.6                  | 12.81                   | 12.34                  | -32.34                |



# Stryker Energy Directional Services

## Survey Report



|           |                                 |                              |                                      |
|-----------|---------------------------------|------------------------------|--------------------------------------|
| Company:  | Mewbourne Oil Company           | Local Co-ordinate Reference: | Site Section 35-18S-29E Wishbone     |
| Project:  | Eddy County, N.M. Nad (83)      | TVD Reference:               | 3435+27 @ 3462.0usft (Patterson 217) |
| Site:     | Section 35-18S-29E Wishbone     | MD Reference:                | 3435+27 @ 3462.0usft (Patterson 217) |
| Well:     | Wishbone 35/34 B2PM Fed Com #1H | North Reference:             | Grid                                 |
| Wellbore: | Original Hole                   | Survey Calculation Method:   | Minimum Curvature                    |
| Design:   | As Drilled                      | Database:                    | EDM5000                              |

| 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 7,690.0               | 16.70           | 266.70      | 7,674.3               | 279.2        | 223.7        | -215.9                  | 14.94                   | 14.89                  | -5.11                 |
| 7,738.0               | 22.20           | 261.90      | 7,719.6               | 277.5        | 207.8        | -200.1                  | 11.92                   | 11.46                  | -10.00                |
| 7,785.0               | 26.20           | 258.70      | 7,762.4               | 274.3        | 188.9        | -181.2                  | 8.95                    | 8.51                   | -6.81                 |
| 7,833.0               | 30.90           | 259.00      | 7,804.6               | 269.8        | 166.3        | -158.8                  | 9.80                    | 9.79                   | 0.63                  |
| 7,880.0               | 34.00           | 262.90      | 7,844.2               | 265.9        | 141.5        | -134.1                  | 7.95                    | 6.60                   | 8.30                  |
| 7,927.0               | 39.20           | 263.80      | 7,882.0               | 262.7        | 113.6        | -106.3                  | 11.12                   | 11.06                  | 1.91                  |
| 7,974.0               | 45.40           | 265.60      | 7,916.7               | 259.8        | 82.1         | -74.9                   | 13.44                   | 13.19                  | 3.83                  |
| 8,022.0               | 51.30           | 266.70      | 7,948.6               | 257.4        | 46.4         | -39.3                   | 12.41                   | 12.29                  | 2.29                  |
| 8,069.0               | 57.10           | 266.70      | 7,976.1               | 255.2        | 8.3          | -1.3                    | 12.34                   | 12.34                  | 0.00                  |
| 8,116.0               | 63.30           | 267.20      | 7,999.4               | 253.0        | -32.4        | 39.3                    | 13.22                   | 13.19                  | 1.06                  |
| 8,163.0               | 68.40           | 267.60      | 8,018.7               | 251.1        | -75.2        | 82.1                    | 10.88                   | 10.85                  | 0.85                  |
| 8,210.0               | 72.30           | 268.00      | 8,034.5               | 249.4        | -119.4       | 126.3                   | 8.34                    | 8.30                   | 0.85                  |
| 8,257.0               | 75.70           | 268.50      | 8,047.4               | 248.0        | -164.6       | 171.4                   | 7.31                    | 7.23                   | 1.06                  |
| 8,305.0               | 79.40           | 269.70      | 8,057.8               | 247.3        | -211.4       | 218.2                   | 8.09                    | 7.71                   | 2.50                  |
| 8,348.0               | 83.00           | 270.30      | 8,064.3               | 247.3        | -253.9       | 260.6                   | 8.48                    | 8.37                   | 1.40                  |
| 8,436.0               | 89.10           | 274.90      | 8,070.4               | 251.3        | -341.6       | 348.4                   | 8.67                    | 6.93                   | 5.23                  |
| 8,530.0               | 90.60           | 271.10      | 8,070.6               | 256.2        | -435.4       | 442.3                   | 4.35                    | 1.60                   | -4.04                 |
| 8,624.0               | 91.30           | 269.90      | 8,069.1               | 257.0        | -529.4       | 536.3                   | 1.48                    | 0.74                   | -1.28                 |
| 8,719.0               | 91.50           | 270.30      | 8,066.8               | 257.2        | -624.4       | 631.2                   | 0.47                    | 0.21                   | 0.42                  |
| 8,813.0               | 91.20           | 270.50      | 8,064.5               | 257.8        | -718.3       | 725.2                   | 0.38                    | -0.32                  | 0.21                  |
| 8,907.0               | 91.20           | 270.40      | 8,062.6               | 258.6        | -812.3       | 819.1                   | 0.11                    | 0.00                   | -0.11                 |
| 9,002.0               | 91.20           | 270.50      | 8,060.6               | 259.3        | -907.3       | 914.1                   | 0.11                    | 0.00                   | 0.11                  |
| 9,096.0               | 91.50           | 270.60      | 8,058.4               | 260.2        | -1,001.2     | 1,008.0                 | 0.34                    | 0.32                   | 0.11                  |
| 9,191.0               | 91.30           | 270.70      | 8,056.1               | 261.3        | -1,096.2     | 1,103.0                 | 0.24                    | -0.21                  | 0.11                  |
| 9,286.0               | 91.40           | 270.60      | 8,053.8               | 262.4        | -1,191.2     | 1,198.0                 | 0.15                    | 0.11                   | -0.11                 |
| 9,382.0               | 91.00           | 270.40      | 8,051.8               | 263.2        | -1,287.2     | 1,293.9                 | 0.47                    | -0.42                  | -0.21                 |
| 9,476.0               | 90.80           | 270.60      | 8,050.3               | 264.0        | -1,381.1     | 1,387.9                 | 0.30                    | -0.21                  | 0.21                  |
| 9,569.0               | 90.00           | 270.10      | 8,049.7               | 264.6        | -1,474.1     | 1,480.9                 | 1.01                    | -0.86                  | -0.54                 |
| 9,663.0               | 89.80           | 269.70      | 8,049.8               | 264.4        | -1,568.1     | 1,574.8                 | 0.48                    | -0.21                  | -0.43                 |
| 9,757.0               | 90.10           | 269.80      | 8,049.9               | 264.0        | -1,662.1     | 1,668.8                 | 0.34                    | 0.32                   | 0.11                  |
| 9,850.0               | 90.30           | 269.80      | 8,049.6               | 263.7        | -1,755.1     | 1,761.7                 | 0.22                    | 0.22                   | 0.00                  |
| 9,945.0               | 90.90           | 269.60      | 8,048.6               | 263.2        | -1,850.1     | 1,856.7                 | 0.67                    | 0.63                   | -0.21                 |
| 10,039.0              | 90.70           | 269.80      | 8,047.3               | 262.7        | -1,944.1     | 1,950.6                 | 0.30                    | -0.21                  | 0.21                  |
| 10,134.0              | 90.90           | 270.00      | 8,046.0               | 262.5        | -2,039.1     | 2,045.6                 | 0.30                    | 0.21                   | 0.21                  |
| 10,229.0              | 90.90           | 269.80      | 8,044.5               | 262.4        | -2,134.1     | 2,140.5                 | 0.21                    | 0.00                   | -0.21                 |
| 10,324.0              | 90.90           | 269.80      | 8,043.0               | 262.1        | -2,229.1     | 2,235.5                 | 0.00                    | 0.00                   | 0.00                  |
| 10,419.0              | 91.10           | 269.90      | 8,041.3               | 261.8        | -2,324.1     | 2,330.4                 | 0.24                    | 0.21                   | 0.11                  |
| 10,513.0              | 91.60           | 270.00      | 8,039.1               | 261.7        | -2,418.0     | 2,424.3                 | 0.54                    | 0.53                   | 0.11                  |
| 10,608.0              | 91.10           | 270.20      | 8,036.9               | 261.9        | -2,513.0     | 2,519.3                 | 0.57                    | -0.53                  | 0.21                  |
| 10,703.0              | 91.10           | 270.20      | 8,035.0               | 262.2        | -2,608.0     | 2,614.2                 | 0.00                    | 0.00                   | 0.00                  |
| 10,797.0              | 90.80           | 269.90      | 8,033.5               | 262.3        | -2,702.0     | 2,708.2                 | 0.45                    | -0.32                  | -0.32                 |
| 10,891.0              | 90.90           | 269.70      | 8,032.1               | 262.0        | -2,796.0     | 2,802.1                 | 0.24                    | 0.11                   | -0.21                 |
| 10,985.0              | 90.80           | 269.50      | 8,030.7               | 261.3        | -2,890.0     | 2,896.1                 | 0.24                    | -0.11                  | -0.21                 |



# Stryker Energy Directional Services

## Survey Report



|           |                                 |                              |                                      |
|-----------|---------------------------------|------------------------------|--------------------------------------|
| Company:  | Mewbourne Oil Company           | Local Co-ordinate Reference: | Site Section 35-18S-29E Wishbone     |
| Project:  | Eddy County, N.M. Nad (83)      | TVD Reference:               | 3435+27 @ 3462.0usft (Patterson 217) |
| Site:     | Section 35-18S-29E Wishbone     | MD Reference:                | 3435+27 @ 3462.0usft (Patterson 217) |
| Well:     | Wishbone 35/34 B2PM Fed Com #1H | North Reference:             | Grid                                 |
| Wellbore: | Original Hole                   | Survey Calculation Method:   | Minimum Curvature                    |
| Design:   | As Drilled                      | Database:                    | EDM5000                              |

### 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 11,081.0              | 90.90           | 269.30      | 8,029.3               | 260.3        | -2,985.9     | 2,992.0                 | 0.23                    | 0.10                   | -0.21                 |
| 11,175.0              | 91.00           | 269.30      | 8,027.7               | 259.2        | -3,079.9     | 3,085.9                 | 0.11                    | 0.11                   | 0.00                  |
| 11,270.0              | 90.50           | 268.70      | 8,026.5               | 257.5        | -3,174.9     | 3,180.8                 | 0.82                    | -0.53                  | -0.63                 |
| 11,364.0              | 90.80           | 268.90      | 8,025.4               | 255.5        | -3,268.9     | 3,274.7                 | 0.38                    | 0.32                   | 0.21                  |
| 11,457.0              | 90.90           | 269.10      | 8,024.0               | 253.9        | -3,361.8     | 3,367.6                 | 0.24                    | 0.11                   | 0.22                  |
| 11,551.0              | 90.70           | 269.10      | 8,022.7               | 252.4        | -3,455.8     | 3,461.5                 | 0.21                    | -0.21                  | 0.00                  |
| 11,645.0              | 90.70           | 269.30      | 8,021.6               | 251.1        | -3,549.8     | 3,555.4                 | 0.21                    | 0.00                   | 0.21                  |
| 11,740.0              | 90.90           | 269.50      | 8,020.2               | 250.1        | -3,644.8     | 3,650.3                 | 0.30                    | 0.21                   | 0.21                  |
| 11,835.0              | 90.90           | 269.90      | 8,018.7               | 249.6        | -3,739.8     | 3,745.2                 | 0.42                    | 0.00                   | 0.42                  |
| 11,929.0              | 90.90           | 270.10      | 8,017.3               | 249.6        | -3,833.8     | 3,839.2                 | 0.21                    | 0.00                   | 0.21                  |
| 12,023.0              | 90.90           | 270.40      | 8,015.8               | 250.0        | -3,927.8     | 3,933.2                 | 0.32                    | 0.00                   | 0.32                  |
| 12,118.0              | 90.80           | 270.40      | 8,014.4               | 250.7        | -4,022.7     | 4,028.1                 | 0.11                    | -0.11                  | 0.00                  |
| 12,212.0              | 91.00           | 270.50      | 8,012.9               | 251.4        | -4,116.7     | 4,122.1                 | 0.24                    | 0.21                   | 0.11                  |
| 12,306.0              | 91.00           | 270.90      | 8,011.3               | 252.6        | -4,210.7     | 4,216.1                 | 0.43                    | 0.00                   | 0.43                  |
| 12,400.0              | 90.90           | 271.10      | 8,009.7               | 254.2        | -4,304.7     | 4,310.1                 | 0.24                    | -0.11                  | 0.21                  |
| 12,494.0              | 90.80           | 270.80      | 8,008.3               | 255.8        | -4,398.7     | 4,404.0                 | 0.34                    | -0.11                  | -0.32                 |
| 12,589.0              | 91.10           | 270.70      | 8,006.7               | 257.0        | -4,493.6     | 4,499.0                 | 0.33                    | 0.32                   | -0.11                 |
| 12,683.0              | 91.20           | 270.40      | 8,004.9               | 257.9        | -4,587.6     | 4,593.0                 | 0.34                    | 0.11                   | -0.32                 |
| 12,778.0              | 91.10           | 269.90      | 8,002.9               | 258.2        | -4,682.6     | 4,687.9                 | 0.54                    | -0.11                  | -0.53                 |
| 12,872.0              | 90.80           | 270.50      | 8,001.4               | 258.5        | -4,776.6     | 4,781.9                 | 0.71                    | -0.32                  | 0.64                  |
| 12,967.0              | 90.80           | 270.90      | 8,000.1               | 259.7        | -4,871.6     | 4,876.9                 | 0.42                    | 0.00                   | 0.42                  |
| 13,061.0              | 90.80           | 270.80      | 7,998.7               | 261.1        | -4,965.5     | 4,970.9                 | 0.11                    | 0.00                   | -0.11                 |
| 13,156.0              | 91.10           | 270.40      | 7,997.2               | 262.1        | -5,060.5     | 5,065.8                 | 0.53                    | 0.32                   | -0.42                 |
| 13,250.0              | 91.00           | 270.20      | 7,995.5               | 262.6        | -5,154.5     | 5,159.8                 | 0.24                    | -0.11                  | -0.21                 |
| 13,345.0              | 90.90           | 269.80      | 7,993.9               | 262.6        | -5,249.5     | 5,254.7                 | 0.43                    | -0.11                  | -0.42                 |
| 13,439.0              | 91.00           | 269.80      | 7,992.3               | 262.2        | -5,343.5     | 5,348.7                 | 0.11                    | 0.11                   | 0.00                  |
| 13,533.0              | 90.80           | 270.30      | 7,990.8               | 262.3        | -5,437.5     | 5,442.6                 | 0.57                    | -0.21                  | 0.53                  |
| 13,628.0              | 90.70           | 270.40      | 7,989.6               | 262.9        | -5,532.5     | 5,537.6                 | 0.15                    | -0.11                  | 0.11                  |
| 13,723.0              | 90.60           | 270.90      | 7,988.5               | 264.0        | -5,627.4     | 5,632.6                 | 0.54                    | -0.11                  | 0.53                  |
| 13,817.0              | 90.90           | 271.40      | 7,987.3               | 265.9        | -5,721.4     | 5,726.6                 | 0.62                    | 0.32                   | 0.53                  |
| 13,912.0              | 91.00           | 271.50      | 7,985.7               | 268.3        | -5,816.4     | 5,821.6                 | 0.15                    | 0.11                   | 0.11                  |
| 14,007.0              | 91.00           | 271.60      | 7,984.1               | 270.8        | -5,911.3     | 5,916.6                 | 0.11                    | 0.00                   | 0.11                  |
| 14,101.0              | 91.10           | 271.30      | 7,982.3               | 273.2        | -6,005.3     | 6,010.5                 | 0.34                    | 0.11                   | -0.32                 |
| 14,195.0              | 91.10           | 270.90      | 7,980.5               | 275.0        | -6,099.2     | 6,104.5                 | 0.43                    | 0.00                   | -0.43                 |
| 14,289.0              | 90.40           | 270.20      | 7,979.3               | 275.9        | -6,193.2     | 6,198.5                 | 1.05                    | -0.74                  | -0.74                 |
| 14,382.0              | 90.30           | 269.40      | 7,978.7               | 275.6        | -6,286.2     | 6,291.4                 | 0.87                    | -0.11                  | -0.86                 |
| 14,477.0              | 90.20           | 269.30      | 7,978.3               | 274.5        | -6,381.2     | 6,386.4                 | 0.15                    | -0.11                  | -0.11                 |
| 14,571.0              | 90.80           | 269.70      | 7,977.5               | 273.7        | -6,475.2     | 6,480.3                 | 0.77                    | 0.64                   | 0.43                  |
| 14,666.0              | 90.80           | 269.70      | 7,976.2               | 273.2        | -6,570.2     | 6,575.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,761.0              | 90.90           | 269.80      | 7,974.8               | 272.8        | -6,665.2     | 6,670.2                 | 0.15                    | 0.11                   | 0.11                  |
| 14,856.0              | 90.80           | 269.40      | 7,973.4               | 272.1        | -6,760.2     | 6,765.1                 | 0.43                    | -0.11                  | -0.42                 |
| 14,950.0              | 90.80           | 269.20      | 7,972.0               | 271.0        | -6,854.2     | 6,859.0                 | 0.21                    | 0.00                   | -0.21                 |
| 15,045.0              | 91.00           | 269.20      | 7,970.5               | 269.6        | -6,949.1     | 6,953.9                 | 0.21                    | 0.21                   | 0.00                  |
| 15,139.0              | 90.90           | 269.10      | 7,969.0               | 268.2        | -7,043.1     | 7,047.8                 | 0.15                    | -0.11                  | -0.11                 |



# Stryker Energy Directional Services

## Survey Report



|                  |                                 |                                     |                                      |
|------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Site Section 35-18S-29E Wishbone     |
| <b>Project:</b>  | Eddy County, N.M. Nad (83)      | <b>TVD Reference:</b>               | 3435+27 @ 3462.0usft (Patterson 217) |
| <b>Site:</b>     | Section 35-18S-29E Wishbone     | <b>MD Reference:</b>                | 3435+27 @ 3462.0usft (Patterson 217) |
| <b>Well:</b>     | Wishbone 35/34 B2PM Fed Com #1H | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | As Drilled                      | <b>Database:</b>                    | EDM5000                              |

### 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) |
|---------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 15,233.0                  | 90.90           | 269.30      | 7,967.5               | 266.9        | -7,137.1     | 7,141.7                 | 0.21                    | 0.00                   | 0.21                  |
| 15,328.0                  | 90.80           | 269.60      | 7,966.1               | 266.0        | -7,232.1     | 7,236.7                 | 0.33                    | -0.11                  | 0.32                  |
| 15,423.0                  | 90.70           | 269.60      | 7,964.9               | 265.4        | -7,327.1     | 7,331.6                 | 0.11                    | -0.11                  | 0.00                  |
| 15,517.0                  | 90.90           | 269.70      | 7,963.5               | 264.8        | -7,421.1     | 7,425.5                 | 0.24                    | 0.21                   | 0.11                  |
| 15,611.0                  | 90.80           | 269.20      | 7,962.2               | 263.9        | -7,515.0     | 7,519.5                 | 0.54                    | -0.11                  | -0.53                 |
| 15,706.0                  | 90.90           | 269.20      | 7,960.7               | 262.6        | -7,610.0     | 7,614.4                 | 0.11                    | 0.11                   | 0.00                  |
| 15,801.0                  | 90.90           | 269.10      | 7,959.3               | 261.1        | -7,705.0     | 7,709.3                 | 0.11                    | 0.00                   | -0.11                 |
| 15,895.0                  | 90.30           | 270.30      | 7,958.3               | 260.7        | -7,799.0     | 7,803.2                 | 1.43                    | -0.64                  | 1.28                  |
| 15,989.0                  | 90.20           | 271.30      | 7,957.9               | 262.0        | -7,893.0     | 7,897.2                 | 1.07                    | -0.11                  | 1.06                  |
| 16,085.0                  | 91.20           | 270.80      | 7,956.7               | 263.7        | -7,989.0     | 7,993.2                 | 1.16                    | 1.04                   | -0.52                 |
| 16,179.0                  | 91.10           | 271.40      | 7,954.8               | 265.5        | -8,082.9     | 8,087.2                 | 0.65                    | -0.11                  | 0.64                  |
| 16,271.0                  | 91.40           | 272.00      | 7,952.8               | 268.3        | -8,174.9     | 8,179.2                 | 0.73                    | 0.33                   | 0.65                  |
| 16,364.0                  | 91.40           | 271.80      | 7,950.5               | 271.3        | -8,267.8     | 8,272.1                 | 0.21                    | 0.00                   | -0.22                 |
| 16,457.0                  | 91.50           | 271.90      | 7,948.2               | 274.3        | -8,360.7     | 8,365.1                 | 0.15                    | 0.11                   | 0.11                  |
| 16,549.0                  | 91.00           | 271.70      | 7,946.2               | 277.2        | -8,452.6     | 8,457.1                 | 0.59                    | -0.54                  | -0.22                 |
| 16,641.0                  | 90.90           | 271.50      | 7,944.6               | 279.8        | -8,544.6     | 8,549.1                 | 0.24                    | -0.11                  | -0.22                 |
| 16,735.0                  | 90.80           | 271.30      | 7,943.2               | 282.1        | -8,638.5     | 8,643.0                 | 0.24                    | -0.11                  | -0.21                 |
| 16,828.0                  | 90.80           | 271.00      | 7,941.9               | 284.0        | -8,731.5     | 8,736.0                 | 0.32                    | 0.00                   | -0.32                 |
| 16,920.0                  | 90.90           | 270.60      | 7,940.6               | 285.2        | -8,823.5     | 8,828.0                 | 0.45                    | 0.11                   | -0.43                 |
| 17,012.0                  | 91.30           | 270.50      | 7,938.8               | 286.1        | -8,915.5     | 8,920.0                 | 0.45                    | 0.43                   | -0.11                 |
| 17,105.0                  | 91.30           | 270.50      | 7,936.7               | 286.9        | -9,008.5     | 9,012.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,198.0                  | 91.00           | 269.90      | 7,934.8               | 287.3        | -9,101.4     | 9,105.9                 | 0.72                    | -0.32                  | -0.65                 |
| 17,290.0                  | 91.20           | 269.80      | 7,933.1               | 287.0        | -9,193.4     | 9,197.8                 | 0.24                    | 0.22                   | -0.11                 |
| 17,383.0                  | 90.90           | 269.40      | 7,931.4               | 286.4        | -9,286.4     | 9,290.8                 | 0.54                    | -0.32                  | -0.43                 |
| 17,475.0                  | 91.30           | 269.30      | 7,929.6               | 285.3        | -9,378.4     | 9,382.7                 | 0.45                    | 0.43                   | -0.11                 |
| 17,568.0                  | 91.00           | 268.70      | 7,927.7               | 283.7        | -9,471.3     | 9,475.6                 | 0.72                    | -0.32                  | -0.65                 |
| 17,662.0                  | 91.10           | 269.10      | 7,926.0               | 281.9        | -9,565.3     | 9,569.4                 | 0.44                    | 0.11                   | 0.43                  |
| 17,757.0                  | 90.90           | 269.30      | 7,924.3               | 280.6        | -9,660.3     | 9,664.3                 | 0.30                    | -0.21                  | 0.21                  |
| 17,852.0                  | 90.90           | 269.80      | 7,922.9               | 279.8        | -9,755.3     | 9,759.3                 | 0.53                    | 0.00                   | 0.53                  |
| 17,946.0                  | 90.90           | 270.00      | 7,921.4               | 279.7        | -9,849.3     | 9,853.2                 | 0.21                    | 0.00                   | 0.21                  |
| 18,041.0                  | 90.90           | 270.20      | 7,919.9               | 279.8        | -9,944.2     | 9,948.2                 | 0.21                    | 0.00                   | 0.21                  |
| 18,135.0                  | 90.80           | 270.30      | 7,918.5               | 280.2        | -10,038.2    | 10,042.1                | 0.15                    | -0.11                  | 0.11                  |
| 18,230.0                  | 90.70           | 270.50      | 7,917.2               | 280.9        | -10,133.2    | 10,137.1                | 0.24                    | -0.11                  | 0.21                  |
| 18,260.0                  | 90.70           | 270.60      | 7,916.9               | 281.2        | -10,163.2    | 10,167.1                | 0.33                    | 0.00                   | 0.33                  |
| 18,295.0                  | 90.70           | 270.60      | 7,916.5               | 281.6        | -10,198.2    | 10,202.1                | 0.00                    | 0.00                   | 0.00                  |
| 18295.0' Projected to bit |                 |             |                       |              |              |                         |                         |                        |                       |



**Stryker Energy Directional Services**  
Survey Report



|           |                                 |                              |                                      |
|-----------|---------------------------------|------------------------------|--------------------------------------|
| Company:  | Mewbourne Oil Company           | Local Co-ordinate Reference: | Site Section 35-18S-29E Wishbone     |
| Project:  | Eddy County, N.M. Nad (83)      | TVD Reference:               | 3435+27 @ 3462.0usft (Patterson 217) |
| Site:     | Section 35-18S-29E Wishbone     | MD Reference:                | 3435+27 @ 3462.0usft (Patterson 217) |
| Well:     | Wishbone 35/34 B2PM Fed Com #1H | North Reference:             | Grid                                 |
| Wellbore: | Original Hole                   | Survey Calculation Method:   | Minimum Curvature                    |
| Design:   | As Drilled                      | Database:                    | EDM5000                              |

**Design Annotations**

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                   |
|-----------------------------|-----------------------------|-------------------|-----------------|---------------------------|
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                           |
| 1,200.0                     | 1,199.1                     | 7.2               | -42.2           | First Stryker Surveys     |
| 18,295.0                    | 7,916.5                     | 281.6             | -10,198.2       | 18295.0' Projected to bit |

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



February 13, 2020

New Mexico Energy, Minerals and Natural Resources Department  
Attn: Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Attn: Jackie Lathan

Re: Mewbourne Oil Company  
Wishbone 35 34 B2PM Federal Com #1H  
Turkey Track; Bone Spring  
Eddy County, New Mexico  
API# 30-015-46208

Enclosed please find the original and one (1) copy of the survey performed on the reference well by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C. Other information required by your office is as follows:

| <u>Name &amp; Title</u> | <u>Drainhole No.</u> | <u>Survey Depths</u>  | <u>Dates Performed</u> | <u>Type Survey</u> |
|-------------------------|----------------------|-----------------------|------------------------|--------------------|
| Gregg Morris            | Original Hole        | 1,313ft. to 18,260ft. | 12-03-19 to 12-15-19   | MWD Survey         |

A certified plat on which the bottom-hole location is oriented to both surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

  
Eric Estes

Enclosures

CC:

Mewbourne Oil Company  
Attn: Frosty Lathan  
P.O. Box 5720  
Hobbs, NM 88241

Mewbourne Oil Company  
Attn: Robin Terrell  
P.O. Box 5720  
Hobbs, NM 88241

NMEMaNRD\Mewbourne Oil Company\Wishbone 35 34 B2PM Federal Com #1HM191239

**STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.**  
P.O. Box 1250  
Montgomery, TX 77356  
Office (936) 582-7296 \* Fax (936)-588-4163



**February 13, 2020**

**Survey Certification Report**

**STATE OF            TEXAS**

**COUNTY OF        Montgomery**

I, Eric Estes, certify that I am employed by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C., and that I did on the day(s) of December 3, 2019, through December 15, 2019 conduct or supervise the taking of a SEDS Original Hole MWD Survey from a depth of 1,313feet to a depth of 18,260feet; that I am authorized and qualified to make this report; that this survey was conducted at the request of Mewbourne Oil Company, for the Wishbone 35 34 B2PM Federal Com #1H, well API # **30-015-46208** in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles as set forth by STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.

A handwritten signature in black ink, appearing to read "Eric Estes", is written over a horizontal line.

**Eric Estes**

**STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.**

**STRYKER ENERGY DIRECTIONAL SERVICES, L.L.C.  
P.O. Box 1250  
Montgomery, TX 77356  
Office (936) 582-7296 \* Fax (936)-588-4163**



# Stryker Energy Directional Services

## Survey Report Landscape



Company: Mewbourne Oil Company  
Project: Eddy County, N.M. Nad (83)  
Site: Section 35-18S-29E Wishbone  
Well: Wishbone 35/34 B2PM Fed Com #1H  
Wellbore: Original Hole  
Design: As Drilled

Local Co-ordinate Reference: Site Section 35-18S-29E Wishbone  
TVD Reference: 3435+27 @ 3462.0usft (Patterson 217)  
MD Reference: 3435+27 @ 3462.0usft (Patterson 217)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: EDM5000

Survey Program Date 12/16/19

| From (usft) | To (usft) | Survey (Wellbore)               | Tool Name   | Description                    |
|-------------|-----------|---------------------------------|-------------|--------------------------------|
| 100.0       | 1,200.0   | Gyro Surveys (Original Hole)    | SRG-GYRO-MS | surface readout gyro multishot |
| 1,313.0     | 18,285.0  | Stryker Surveys (Original Hole) | MWD         | MWD v3 standard declination    |

| Survey                | MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | Closure Distance (usft) | Closure Azimuth (°) | D Leg (°/100usft) | Northing (usft) | Easting (usft) |
|-----------------------|-----------|---------|-------------------|------------|------------|------------|-------------------------|---------------------|-------------------|-----------------|----------------|
|                       | 0.0       | 0.00    | 0.00              | 0.0        | 0.0        | 0.0        | 0.0                     | 0.0                 | 0.00              | 618,053.60      | 632,264.60     |
|                       | 100.0     | 1.64    | 270.50            | 100.0      | 0.0        | -1.4       | 1.4                     | 270.50              | 1.64              | 618,053.61      | 632,263.17     |
|                       | 200.0     | 2.31    | 264.96            | 189.9      | -0.2       | -4.9       | 4.9                     | 268.21              | 0.70              | 618,053.45      | 632,259.73     |
|                       | 300.0     | 2.39    | 269.68            | 299.8      | -0.3       | -9.0       | 9.0                     | 267.82              | 0.21              | 618,053.26      | 632,255.64     |
|                       | 400.0     | 2.81    | 275.91            | 398.7      | -0.1       | -13.5      | 13.5                    | 269.58              | 0.51              | 618,053.50      | 632,251.11     |
|                       | 500.0     | 2.92    | 276.34            | 498.6      | 0.4        | -18.5      | 18.5                    | 271.35              | 0.11              | 618,054.03      | 632,248.15     |
|                       | 600.0     | 2.83    | 274.00            | 598.5      | 0.9        | -23.4      | 23.5                    | 272.17              | 0.15              | 618,054.49      | 632,241.15     |
|                       | 700.0     | 2.84    | 274.71            | 699.4      | 1.3        | -28.4      | 28.4                    | 272.55              | 0.04              | 618,054.86      | 632,236.22     |
|                       | 800.0     | 2.54    | 279.74            | 799.3      | 1.8        | -33.0      | 33.1                    | 273.19              | 0.38              | 618,055.44      | 632,231.57     |
|                       | 900.0     | 2.35    | 285.09            | 899.2      | 2.7        | -37.2      | 37.3                    | 274.23              | 0.30              | 618,056.35      | 632,227.40     |
|                       | 1,000.0   | 1.12    | 306.56            | 998.1      | 3.9        | -40.0      | 40.1                    | 275.53              | 1.37              | 618,057.47      | 632,224.64     |
|                       | 1,100.0   | 1.14    | 328.29            | 1,099.1    | 5.3        | -41.3      | 41.8                    | 277.31              | 0.43              | 618,058.89      | 632,223.33     |
|                       | 1,200.0   | 1.31    | 338.04            | 1,199.1    | 7.2        | -42.2      | 42.8                    | 279.68              | 0.27              | 618,060.80      | 632,222.38     |
| First Stryker Surveys |           |         |                   |            |            |            |                         |                     |                   |                 |                |
|                       | 1,313.0   | 1.50    | 350.40            | 1,312.0    | 9.9        | -42.9      | 44.1                    | 282.93              | 0.32              | 618,063.46      | 632,221.65     |
|                       | 1,439.0   | 3.50    | 41.10             | 1,437.9    | 14.4       | -40.7      | 43.2                    | 289.46              | 2.22              | 618,067.98      | 632,223.90     |
|                       | 1,628.0   | 4.40    | 53.00             | 1,626.5    | 23.1       | -31.1      | 38.7                    | 306.58              | 0.64              | 618,076.69      | 632,233.49     |
|                       | 1,817.0   | 4.40    | 51.70             | 1,814.9    | 31.9       | -19.6      | 37.5                    | 328.43              | 0.05              | 618,085.55      | 632,244.97     |
|                       | 2,006.0   | 4.40    | 53.60             | 2,003.4    | 40.7       | -8.1       | 41.5                    | 348.75              | 0.08              | 618,084.34      | 632,256.49     |
|                       | 2,195.0   | 4.20    | 50.90             | 2,191.8    | 49.4       | 3.1        | 49.5                    | 3.58                | 0.15              | 618,103.01      | 632,267.70     |
|                       | 2,384.0   | 3.90    | 48.60             | 2,380.4    | 57.9       | 13.4       | 59.5                    | 12.99               | 0.17              | 618,111.54      | 632,277.96     |



# Stryker Energy Directional Services

## Survey Report Landscape



Company: Mewbourne Oil Company  
Project: Eddy County, N.M. Nad (83)  
Site: Section 35-18S-29E Wishbone  
Well: Wishbone 35/34 B2PM Fed Com #1H  
Wellbore: Original Hole  
Design: As Drilled

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

Site Section 35-18S-29E Wishbone  
3435+27 @ 3462.0usft (Patterson 217)  
3435+27 @ 3462.0usft (Patterson 217)  
Grid  
Minimum Curvature  
EDM5000

| Survey | MD<br>(usft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | D Leg<br>(°/100usft) | Northing<br>(usft) | Easting<br>(usft) |
|--------|--------------|------------|------------|---------------|---------------|---------------|----------------------------|------------------------|----------------------|--------------------|-------------------|
|        | 2,573.0      | 3.80       | 47.20      | 2,568.9       | 66.4          | 22.9          | 70.2                       | 19.00                  | 0.10                 | 618,118.96         | 632,287.45        |
|        | 2,763.0      | 4.60       | 55.50      | 2,758.4       | 75.0          | 33.8          | 82.2                       | 24.24                  | 0.53                 | 618,128.56         | 632,298.35        |
|        | 2,952.0      | 4.50       | 54.60      | 2,946.8       | 83.5          | 46.0          | 95.4                       | 28.88                  | 0.07                 | 618,137.14         | 632,310.64        |
|        | 3,142.0      | 4.40       | 54.00      | 3,136.3       | 92.1          | 58.0          | 108.9                      | 32.19                  | 0.06                 | 618,145.75         | 632,322.61        |
|        | 3,332.0      | 4.30       | 54.90      | 3,325.7       | 100.5         | 69.7          | 122.3                      | 34.75                  | 0.08                 | 618,154.13         | 632,334.34        |
|        | 3,521.0      | 4.00       | 50.40      | 3,514.2       | 108.8         | 80.6          | 135.4                      | 36.54                  | 0.23                 | 618,162.40         | 632,345.21        |
|        | 3,711.0      | 3.70       | 47.30      | 3,703.8       | 117.2         | 90.2          | 147.9                      | 37.59                  | 0.19                 | 618,170.78         | 632,354.83        |
|        | 3,901.0      | 3.10       | 28.10      | 3,893.5       | 125.9         | 97.2          | 159.0                      | 37.66                  | 0.67                 | 618,179.47         | 632,361.75        |
|        | 4,090.0      | 4.00       | 32.40      | 4,082.1       | 135.9         | 103.1         | 170.6                      | 37.17                  | 0.50                 | 618,189.55         | 632,367.89        |
|        | 4,280.0      | 4.60       | 43.40      | 4,271.5       | 147.1         | 111.9         | 184.8                      | 37.26                  | 0.54                 | 618,200.68         | 632,376.48        |
|        | 4,469.0      | 3.90       | 38.20      | 4,460.0       | 157.6         | 121.1         | 198.8                      | 37.52                  | 0.42                 | 618,211.24         | 632,385.66        |
|        | 4,657.0      | 3.60       | 48.90      | 4,647.6       | 166.5         | 128.5         | 210.9                      | 37.86                  | 0.40                 | 618,220.14         | 632,394.06        |
|        | 4,847.0      | 3.40       | 48.50      | 4,837.3       | 174.2         | 138.2         | 222.3                      | 38.42                  | 0.11                 | 618,227.80         | 632,402.78        |
|        | 5,037.0      | 3.30       | 47.10      | 5,027.0       | 181.7         | 146.4         | 233.3                      | 38.87                  | 0.07                 | 618,235.25         | 632,411.00        |
|        | 5,227.0      | 3.30       | 50.20      | 5,216.6       | 188.9         | 154.6         | 244.1                      | 39.30                  | 0.09                 | 618,242.47         | 632,419.21        |
|        | 5,416.0      | 3.00       | 52.30      | 5,405.4       | 195.4         | 162.7         | 254.3                      | 39.79                  | 0.17                 | 618,248.98         | 632,427.30        |
|        | 5,605.0      | 2.90       | 45.90      | 5,594.1       | 201.7         | 170.0         | 263.8                      | 40.13                  | 0.18                 | 618,255.33         | 632,434.65        |
|        | 5,794.0      | 2.70       | 35.40      | 5,782.9       | 208.7         | 176.1         | 273.0                      | 40.15                  | 0.29                 | 618,262.29         | 632,440.66        |
|        | 5,984.0      | 3.20       | 36.80      | 5,972.6       | 216.6         | 181.8         | 282.8                      | 40.01                  | 0.27                 | 618,270.18         | 632,446.43        |
|        | 6,174.0      | 2.80       | 33.80      | 6,162.4       | 224.7         | 187.6         | 292.7                      | 39.86                  | 0.23                 | 618,278.29         | 632,452.19        |
|        | 6,362.0      | 3.30       | 33.50      | 6,350.1       | 233.0         | 193.1         | 302.6                      | 39.65                  | 0.27                 | 618,286.61         | 632,457.73        |
|        | 6,551.0      | 3.30       | 40.70      | 6,538.8       | 241.7         | 199.7         | 313.5                      | 39.56                  | 0.22                 | 618,295.27         | 632,464.28        |
|        | 6,646.0      | 4.00       | 46.20      | 6,633.6       | 246.0         | 203.9         | 319.5                      | 39.64                  | 0.82                 | 618,298.64         | 632,468.45        |
|        | 6,741.0      | 4.40       | 55.00      | 6,728.3       | 250.4         | 209.2         | 326.3                      | 39.88                  | 0.80                 | 618,304.02         | 632,473.83        |
|        | 6,930.0      | 4.10       | 50.10      | 6,916.8       | 258.9         | 220.4         | 340.0                      | 40.40                  | 0.25                 | 618,312.52         | 632,484.95        |
|        | 7,118.0      | 3.70       | 58.50      | 7,104.4       | 266.4         | 230.7         | 352.4                      | 40.89                  | 0.37                 | 618,320.00         | 632,495.28        |
|        | 7,308.0      | 3.00       | 42.40      | 7,294.1       | 273.3         | 239.3         | 363.2                      | 41.20                  | 0.61                 | 618,326.87         | 632,503.86        |



# Stryker Energy Directional Services

## Survey Report Landscape



**Company:** Mewbourne Oil Company  
**Project:** Eddy County, N.M. Nad (83)  
**Site:** Section 35-18S-29E Wshbone  
**Well:** Wshbone 35/34 B2PM Fed Com #1H  
**Wellbore:** Original Hole  
**Design:** As Drilled

**Local Co-ordinate Reference:**  
**TVD Reference:** 3435+27 @ 3462.0usft (Patterson 217)  
**MD Reference:** 3435+27 @ 3462.0usft (Patterson 217)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM5000

| Survey | MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | D Leg<br>(°/100usft) | Northing<br>(usft) | Easting<br>(usft) |
|--------|--------------|------------|----------------------|---------------|---------------|---------------|----------------------------|------------------------|----------------------|--------------------|-------------------|
|        | 7,403.0      | 0.70       | 21.60                | 7,389.0       | 275.6         | 241.2         | 366.2                      | 41.18                  | 2.48                 | 618,329.25         | 632,505.75        |
|        | 7,522.0      | 1.40       | 1.70                 | 7,508.0       | 277.8         | 241.5         | 368.1                      | 41.00                  | 0.65                 | 618,331.38         | 632,506.06        |
|        | 7,549.0      | 1.30       | 0.40                 | 7,535.0       | 278.4         | 241.5         | 368.5                      | 40.94                  | 0.39                 | 618,332.01         | 632,506.07        |
|        | 7,596.0      | 3.90       | 284.30               | 7,561.9       | 279.3         | 239.9         | 368.2                      | 40.66                  | 8.09                 | 618,332.94         | 632,504.53        |
|        | 7,643.0      | 9.70       | 269.10               | 7,628.6       | 279.7         | 234.4         | 364.9                      | 39.97                  | 12.81                | 618,333.27         | 632,499.01        |
|        | 7,690.0      | 16.70      | 266.70               | 7,674.3       | 279.2         | 223.7         | 357.8                      | 38.70                  | 14.94                | 618,332.82         | 632,488.30        |
|        | 7,738.0      | 22.20      | 261.90               | 7,719.6       | 277.5         | 207.8         | 346.7                      | 36.83                  | 11.92                | 618,331.15         | 632,472.42        |
|        | 7,785.0      | 26.20      | 258.70               | 7,762.4       | 274.3         | 188.9         | 333.0                      | 34.55                  | 8.95                 | 618,327.86         | 632,453.45        |
|        | 7,833.0      | 30.90      | 259.00               | 7,804.6       | 269.8         | 166.3         | 317.0                      | 31.65                  | 9.80                 | 618,323.43         | 632,430.95        |
|        | 7,880.0      | 34.00      | 262.90               | 7,844.2       | 265.9         | 141.5         | 301.2                      | 28.01                  | 7.95                 | 618,319.50         | 632,406.05        |
|        | 7,927.0      | 39.20      | 263.80               | 7,882.0       | 262.7         | 113.6         | 286.2                      | 23.39                  | 11.12                | 618,316.27         | 632,378.23        |
|        | 7,974.0      | 45.40      | 265.60               | 7,916.7       | 259.8         | 82.1          | 272.5                      | 17.55                  | 13.44                | 618,313.38         | 632,346.75        |
|        | 8,022.0      | 51.30      | 266.70               | 7,948.6       | 257.4         | 46.4          | 261.5                      | 10.21                  | 12.41                | 618,310.99         | 632,310.98        |
|        | 8,069.0      | 57.10      | 266.70               | 7,976.1       | 255.2         | 8.3           | 255.3                      | 1.87                   | 12.34                | 618,308.80         | 632,272.94        |
|        | 8,116.0      | 63.30      | 267.20               | 7,999.4       | 253.0         | -32.4         | 255.1                      | 352.71                 | 13.22                | 618,306.63         | 632,232.23        |
|        | 8,163.0      | 68.40      | 267.60               | 8,018.7       | 251.1         | -75.2         | 262.1                      | 343.33                 | 10.88                | 618,304.69         | 632,189.40        |
|        | 8,210.0      | 72.30      | 268.00               | 8,034.5       | 249.4         | -119.4        | 276.5                      | 334.41                 | 8.34                 | 618,302.99         | 632,145.18        |
|        | 8,257.0      | 75.70      | 268.50               | 8,047.4       | 248.0         | -184.6        | 297.7                      | 326.43                 | 7.31                 | 618,301.62         | 632,100.03        |
|        | 8,305.0      | 79.40      | 269.70               | 8,057.8       | 247.3         | -211.4        | 325.3                      | 319.47                 | 8.09                 | 618,300.88         | 632,053.17        |
|        | 8,348.0      | 83.00      | 270.30               | 8,064.3       | 247.3         | -253.9        | 354.4                      | 314.24                 | 8.48                 | 618,300.88         | 632,010.68        |
|        | 8,436.0      | 89.10      | 274.90               | 8,070.4       | 251.3         | -341.6        | 424.0                      | 306.34                 | 8.67                 | 618,304.88         | 631,923.05        |
|        | 8,530.0      | 90.60      | 271.10               | 8,070.6       | 256.2         | -435.4        | 505.2                      | 300.47                 | 4.35                 | 618,309.80         | 631,829.20        |
|        | 8,624.0      | 91.30      | 269.90               | 8,069.1       | 257.0         | -529.4        | 588.5                      | 295.90                 | 1.48                 | 618,310.62         | 631,735.22        |
|        | 8,719.0      | 91.50      | 270.30               | 8,066.8       | 257.2         | -624.4        | 675.2                      | 292.39                 | 0.47                 | 618,310.78         | 631,640.25        |
|        | 8,813.0      | 91.20      | 270.50               | 8,064.5       | 257.8         | -718.3        | 763.2                      | 289.75                 | 0.38                 | 618,311.44         | 631,546.27        |
|        | 8,907.0      | 91.20      | 270.40               | 8,062.6       | 258.6         | -812.3        | 852.5                      | 287.66                 | 0.11                 | 618,312.18         | 631,452.30        |
|        | 9,002.0      | 91.20      | 270.50               | 8,060.6       | 259.3         | -907.3        | 943.6                      | 285.95                 | 0.11                 | 618,312.92         | 631,357.32        |



# Stryker Energy Directional Services

## Survey Report Landscape



**Company:** Mewbourne Oil Company  
**Project:** Eddy County, N.M. Nad (83)  
**Site:** Section 35-18S-29E Wishbone  
**Well:** Wishbone 35/34 B2PM Fed Com #1H  
**Wellbore:** Original Hole  
**Design:** As Drilled

**Local Co-ordinate Reference:**  
**TVD Reference:** 3435+27 @ 3462.0usft (Patterson 217)  
**MD Reference:** 3435+27 @ 3462.0usft (Patterson 217)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM5000

**Site Section 35-18S-29E Wishbone**  
**3435+27 @ 3462.0usft (Patterson 217)**  
**3435+27 @ 3462.0usft (Patterson 217)**  
**Grid**  
**Minimum Curvature**  
**EDM5000**

| Survey | MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | D Leg<br>(°/100usft) | Northing<br>(usft) | Easting<br>(usft) |
|--------|--------------|------------|----------------------|---------------|---------------|---------------|----------------------------|------------------------|----------------------|--------------------|-------------------|
|        | 9,096.0      | 91.50      | 270.60               | 8,058.4       | 260.2         | -1,001.2      | 1,034.5                    | 284.57                 | 0.34                 | 618,313.82         | 631,263.35        |
|        | 9,191.0      | 91.30      | 270.70               | 8,056.1       | 261.3         | -1,086.2      | 1,126.9                    | 283.41                 | 0.24                 | 618,314.90         | 631,168.39        |
|        | 9,286.0      | 91.40      | 270.60               | 8,053.8       | 262.4         | -1,191.2      | 1,219.7                    | 282.42                 | 0.15                 | 618,315.98         | 631,073.42        |
|        | 9,382.0      | 91.00      | 270.40               | 8,051.8       | 263.2         | -1,287.2      | 1,313.8                    | 281.56                 | 0.47                 | 618,316.82         | 630,977.44        |
|        | 9,476.0      | 90.80      | 270.60               | 8,050.3       | 264.0         | -1,381.1      | 1,406.2                    | 280.82                 | 0.30                 | 618,317.64         | 630,883.46        |
|        | 9,569.0      | 90.00      | 270.10               | 8,049.7       | 264.6         | -1,474.1      | 1,497.7                    | 280.18                 | 1.01                 | 618,318.20         | 630,790.46        |
|        | 9,663.0      | 89.80      | 269.70               | 8,049.8       | 264.4         | -1,568.1      | 1,590.3                    | 279.57                 | 0.48                 | 618,318.04         | 630,696.47        |
|        | 9,757.0      | 90.10      | 269.80               | 8,049.9       | 264.0         | -1,662.1      | 1,683.0                    | 279.03                 | 0.34                 | 618,317.63         | 630,602.47        |
|        | 9,850.0      | 90.30      | 269.80               | 8,049.6       | 263.7         | -1,755.1      | 1,774.8                    | 278.54                 | 0.22                 | 618,317.31         | 630,509.47        |
|        | 9,945.0      | 90.90      | 269.60               | 8,048.6       | 263.2         | -1,850.1      | 1,888.8                    | 278.10                 | 0.67                 | 618,316.81         | 630,414.47        |
|        | 10,039.0     | 90.70      | 269.80               | 8,047.3       | 262.7         | -1,944.1      | 1,961.8                    | 277.70                 | 0.30                 | 618,316.32         | 630,320.49        |
|        | 10,134.0     | 90.90      | 270.00               | 8,046.0       | 262.5         | -2,039.1      | 2,055.9                    | 277.34                 | 0.30                 | 618,316.15         | 630,225.49        |
|        | 10,229.0     | 90.90      | 269.80               | 8,044.5       | 262.4         | -2,134.1      | 2,150.2                    | 277.01                 | 0.21                 | 618,315.98         | 630,130.51        |
|        | 10,324.0     | 90.90      | 269.80               | 8,043.0       | 262.1         | -2,228.1      | 2,244.4                    | 276.70                 | 0.00                 | 618,315.65         | 630,035.52        |
|        | 10,419.0     | 91.10      | 269.90               | 8,041.3       | 261.8         | -2,324.1      | 2,338.8                    | 276.43                 | 0.24                 | 618,315.40         | 629,940.53        |
|        | 10,513.0     | 91.60      | 270.00               | 8,039.1       | 261.7         | -2,418.0      | 2,432.2                    | 276.18                 | 0.54                 | 618,315.32         | 629,846.56        |
|        | 10,608.0     | 91.10      | 270.20               | 8,036.9       | 261.9         | -2,513.0      | 2,526.6                    | 275.95                 | 0.57                 | 618,315.49         | 629,751.59        |
|        | 10,703.0     | 91.10      | 270.20               | 8,035.0       | 262.2         | -2,608.0      | 2,621.1                    | 275.74                 | 0.00                 | 618,315.82         | 629,656.60        |
|        | 10,797.0     | 90.80      | 269.90               | 8,033.5       | 262.3         | -2,702.0      | 2,714.7                    | 275.54                 | 0.45                 | 618,315.90         | 629,562.62        |
|        | 10,891.0     | 90.90      | 269.70               | 8,032.1       | 262.0         | -2,796.0      | 2,808.2                    | 275.35                 | 0.24                 | 618,315.57         | 629,468.63        |
|        | 10,985.0     | 90.80      | 269.50               | 8,030.7       | 261.3         | -2,890.0      | 2,901.7                    | 275.17                 | 0.24                 | 618,314.92         | 629,374.64        |
|        | 11,081.0     | 90.90      | 269.30               | 8,029.3       | 260.3         | -2,985.9      | 2,997.3                    | 274.98                 | 0.23                 | 618,313.91         | 629,278.66        |
|        | 11,175.0     | 91.00      | 269.30               | 8,027.7       | 259.2         | -3,079.9      | 3,090.8                    | 274.81                 | 0.11                 | 618,312.76         | 629,184.68        |
|        | 11,270.0     | 90.50      | 268.70               | 8,026.5       | 257.5         | -3,174.9      | 3,185.3                    | 274.64                 | 0.82                 | 618,311.11         | 629,086.70        |
|        | 11,364.0     | 90.80      | 268.90               | 8,025.4       | 255.5         | -3,268.9      | 3,278.8                    | 274.47                 | 0.38                 | 618,309.14         | 628,995.73        |
|        | 11,457.0     | 90.90      | 269.10               | 8,024.0       | 253.9         | -3,361.8      | 3,371.4                    | 274.32                 | 0.24                 | 618,307.51         | 628,902.75        |
|        | 11,551.0     | 90.70      | 269.10               | 8,022.7       | 252.4         | -3,455.8      | 3,465.0                    | 274.18                 | 0.21                 | 618,306.04         | 628,808.77        |



# Stryker Energy Directional Services

## Survey Report Landscape



Company: Mewbourne Oil Company  
Project: Eddy County, N.M. Nad (83)  
Site: Section 35-18S-29E Wishbone  
Well: Wishbone 35/34 B2PM Fed Com #1H  
Wellbore: Original Hole  
Design: As Drilled

Local Co-ordinate Reference:  
TVD Reference: 3435+27 @ 3462.0usft (Patterson 217)  
MD Reference: 3435+27 @ 3462.0usft (Patterson 217)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: EDM5000

| Survey | MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | D Leg<br>(°/100usft) | Northing<br>(usft) | Easting<br>(usft) |
|--------|--------------|------------|----------------------|---------------|---------------|---------------|----------------------------|------------------------|----------------------|--------------------|-------------------|
|        | 11,945.0     | 90.70      | 269.30               | 8,021.6       | 251.1         | -3,549.8      | 3,558.7                    | 274.05                 | 0.21                 | 618,304.73         | 628,714.79        |
|        | 11,740.0     | 90.90      | 269.50               | 8,020.2       | 250.1         | -3,644.8      | 3,653.4                    | 273.93                 | 0.30                 | 618,303.73         | 628,619.80        |
|        | 11,835.0     | 90.90      | 269.90               | 8,018.7       | 249.6         | -3,739.8      | 3,748.1                    | 273.82                 | 0.42                 | 618,303.23         | 628,524.82        |
|        | 11,929.0     | 90.90      | 270.10               | 8,017.3       | 249.6         | -3,833.8      | 3,841.9                    | 273.73                 | 0.21                 | 618,303.23         | 628,430.83        |
|        | 12,023.0     | 90.90      | 270.40               | 8,015.8       | 250.0         | -3,927.8      | 3,935.7                    | 273.64                 | 0.32                 | 618,303.64         | 628,336.84        |
|        | 12,118.0     | 90.80      | 270.40               | 8,014.4       | 250.7         | -4,022.7      | 4,030.6                    | 273.57                 | 0.11                 | 618,304.31         | 628,241.85        |
|        | 12,212.0     | 91.00      | 270.50               | 8,012.9       | 251.4         | -4,116.7      | 4,124.4                    | 273.50                 | 0.24                 | 618,305.04         | 628,147.87        |
|        | 12,306.0     | 91.00      | 270.90               | 8,011.3       | 252.6         | -4,210.7      | 4,218.3                    | 273.43                 | 0.43                 | 618,306.19         | 628,053.89        |
|        | 12,400.0     | 90.90      | 271.10               | 8,009.7       | 254.2         | -4,304.7      | 4,312.2                    | 273.38                 | 0.24                 | 618,307.83         | 627,959.92        |
|        | 12,494.0     | 90.80      | 270.80               | 8,008.3       | 255.8         | -4,398.7      | 4,406.1                    | 273.33                 | 0.34                 | 618,308.39         | 627,865.94        |
|        | 12,589.0     | 91.10      | 270.70               | 8,006.7       | 257.0         | -4,493.6      | 4,501.0                    | 273.27                 | 0.33                 | 618,310.64         | 627,770.96        |
|        | 12,683.0     | 91.20      | 270.40               | 8,004.9       | 257.9         | -4,587.6      | 4,594.9                    | 273.22                 | 0.34                 | 618,311.54         | 627,676.99        |
|        | 12,778.0     | 91.10      | 269.90               | 8,002.9       | 258.2         | -4,682.6      | 4,689.7                    | 273.16                 | 0.54                 | 618,311.79         | 627,582.01        |
|        | 12,872.0     | 90.80      | 270.50               | 8,001.4       | 258.5         | -4,776.6      | 4,783.6                    | 273.10                 | 0.71                 | 618,312.11         | 627,488.02        |
|        | 12,967.0     | 90.80      | 270.90               | 8,000.1       | 259.7         | -4,871.6      | 4,878.5                    | 273.05                 | 0.42                 | 618,313.27         | 627,393.04        |
|        | 13,061.0     | 90.80      | 270.80               | 7,998.7       | 261.1         | -4,965.5      | 4,972.4                    | 273.01                 | 0.11                 | 618,314.67         | 627,299.08        |
|        | 13,156.0     | 91.10      | 270.40               | 7,997.2       | 262.1         | -5,060.5      | 5,067.3                    | 272.96                 | 0.53                 | 618,315.66         | 627,204.07        |
|        | 13,250.0     | 91.00      | 270.20               | 7,995.5       | 262.6         | -5,154.5      | 5,161.2                    | 272.92                 | 0.24                 | 618,316.16         | 627,110.09        |
|        | 13,345.0     | 90.90      | 269.80               | 7,993.9       | 262.6         | -5,249.5      | 5,256.1                    | 272.86                 | 0.43                 | 618,316.16         | 627,015.10        |
|        | 13,439.0     | 91.00      | 269.80               | 7,992.3       | 262.2         | -5,343.5      | 5,349.9                    | 272.81                 | 0.11                 | 618,315.83         | 626,921.12        |
|        | 13,533.0     | 90.80      | 270.30               | 7,990.8       | 262.3         | -5,437.5      | 5,443.8                    | 272.76                 | 0.57                 | 618,315.91         | 626,827.13        |
|        | 13,628.0     | 90.70      | 270.40               | 7,989.6       | 262.9         | -5,532.5      | 5,538.7                    | 272.72                 | 0.15                 | 618,316.49         | 626,732.14        |
|        | 13,723.0     | 90.60      | 270.90               | 7,988.5       | 264.0         | -5,627.4      | 5,633.6                    | 272.69                 | 0.54                 | 618,317.57         | 626,637.15        |
|        | 13,817.0     | 90.90      | 271.40               | 7,987.3       | 265.9         | -5,721.4      | 5,727.6                    | 272.66                 | 0.62                 | 618,319.45         | 626,543.18        |
|        | 13,912.0     | 91.00      | 271.50               | 7,985.7       | 268.3         | -5,816.4      | 5,822.6                    | 272.64                 | 0.15                 | 618,321.86         | 626,448.22        |
|        | 14,007.0     | 91.00      | 271.60               | 7,984.1       | 270.8         | -5,911.3      | 5,917.5                    | 272.62                 | 0.11                 | 618,324.43         | 626,353.27        |
|        | 14,101.0     | 91.10      | 271.30               | 7,982.3       | 273.2         | -6,005.3      | 6,011.5                    | 272.60                 | 0.34                 | 618,326.81         | 626,259.32        |



# Stryker Energy Directional Services

## Survey Report Landscape



**Company:** Mewbourne Oil Company  
**Project:** Eddy County, N.M. Nad (83)  
**Site:** Section 35-18S-29E Wishbone  
**Well:** Wishbone 35/34 B2PM Fed Com #1H  
**Wellbore:** Original Hole  
**Design:** As Drilled

**Local Co-ordinate Reference:**  
**TVD Reference:** 3435+27 @ 3462.0usft (Patterson 217)  
**MD Reference:** 3435+27 @ 3462.0usft (Patterson 217)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM5000

| Survey | MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | D Leg<br>(°/100usft) | Northing<br>(usft) | Easting<br>(usft) |
|--------|--------------|------------|----------------------|---------------|---------------|---------------|----------------------------|------------------------|----------------------|--------------------|-------------------|
|        | 14,195.0     | 91.10      | 270.90               | 7,980.5       | 275.0         | -6,099.2      | 6,105.4                    | 272.58                 | 0.43                 | 618,328.61         | 626,185.35        |
|        | 14,289.0     | 90.40      | 270.20               | 7,979.3       | 275.9         | -6,193.2      | 6,199.4                    | 272.55                 | 1.05                 | 618,329.51         | 626,071.37        |
|        | 14,382.0     | 90.30      | 269.40               | 7,978.7       | 275.6         | -6,286.2      | 6,292.3                    | 272.51                 | 0.87                 | 618,329.19         | 625,978.37        |
|        | 14,477.0     | 90.20      | 269.30               | 7,978.3       | 274.5         | -6,381.2      | 6,387.1                    | 272.46                 | 0.15                 | 618,328.11         | 625,883.38        |
|        | 14,571.0     | 90.80      | 269.70               | 7,977.5       | 273.7         | -6,475.2      | 6,481.0                    | 272.42                 | 0.77                 | 618,327.29         | 625,788.38        |
|        | 14,666.0     | 90.80      | 269.70               | 7,976.2       | 273.2         | -6,570.2      | 6,575.9                    | 272.38                 | 0.00                 | 618,326.79         | 625,694.40        |
|        | 14,761.0     | 90.90      | 269.80               | 7,974.9       | 272.8         | -6,665.2      | 6,670.8                    | 272.34                 | 0.15                 | 618,326.38         | 625,599.41        |
|        | 14,856.0     | 90.80      | 269.40               | 7,973.4       | 272.1         | -6,760.2      | 6,765.7                    | 272.31                 | 0.43                 | 618,325.71         | 625,504.42        |
|        | 14,950.0     | 90.80      | 269.20               | 7,972.0       | 271.0         | -6,854.2      | 6,859.5                    | 272.26                 | 0.21                 | 618,324.57         | 625,410.44        |
|        | 15,045.0     | 91.00      | 269.20               | 7,970.5       | 269.6         | -6,949.1      | 6,954.4                    | 272.22                 | 0.21                 | 618,323.24         | 625,315.46        |
|        | 15,139.0     | 90.90      | 269.10               | 7,969.0       | 268.2         | -7,043.1      | 7,048.2                    | 272.18                 | 0.15                 | 618,321.85         | 625,221.48        |
|        | 15,233.0     | 90.90      | 269.30               | 7,967.5       | 266.9         | -7,137.1      | 7,142.1                    | 272.14                 | 0.21                 | 618,320.53         | 625,127.50        |
|        | 15,328.0     | 90.80      | 269.60               | 7,966.1       | 266.0         | -7,232.1      | 7,237.0                    | 272.11                 | 0.33                 | 618,319.62         | 625,032.52        |
|        | 15,423.0     | 90.70      | 269.60               | 7,964.9       | 265.4         | -7,327.1      | 7,331.9                    | 272.07                 | 0.11                 | 618,318.96         | 624,937.53        |
|        | 15,517.0     | 90.90      | 269.70               | 7,963.5       | 264.8         | -7,421.1      | 7,425.8                    | 272.04                 | 0.24                 | 618,318.38         | 624,843.54        |
|        | 15,611.0     | 90.80      | 269.20               | 7,962.2       | 263.9         | -7,515.0      | 7,519.7                    | 272.01                 | 0.54                 | 618,317.48         | 624,749.55        |
|        | 15,706.0     | 90.90      | 269.20               | 7,960.7       | 262.6         | -7,610.0      | 7,614.6                    | 271.98                 | 0.11                 | 618,316.16         | 624,654.57        |
|        | 15,801.0     | 90.90      | 269.10               | 7,959.3       | 261.1         | -7,705.0      | 7,709.4                    | 271.94                 | 0.11                 | 618,314.75         | 624,559.59        |
|        | 15,895.0     | 90.30      | 270.30               | 7,958.3       | 260.7         | -7,799.0      | 7,803.4                    | 271.91                 | 1.43                 | 618,314.25         | 624,465.60        |
|        | 15,989.0     | 90.20      | 271.30               | 7,957.9       | 262.0         | -7,893.0      | 7,897.3                    | 271.90                 | 1.07                 | 618,315.57         | 624,371.61        |
|        | 16,085.0     | 91.20      | 270.80               | 7,956.7       | 263.7         | -7,988.0      | 7,993.3                    | 271.89                 | 1.16                 | 618,317.33         | 624,275.64        |
|        | 16,179.0     | 91.10      | 271.40               | 7,954.8       | 265.5         | -8,082.9      | 8,087.3                    | 271.88                 | 0.65                 | 618,319.13         | 624,181.68        |
|        | 16,271.0     | 91.40      | 272.00               | 7,952.8       | 268.3         | -8,174.9      | 8,179.3                    | 271.88                 | 0.73                 | 618,321.86         | 624,089.74        |
|        | 16,364.0     | 91.40      | 271.80               | 7,950.5       | 271.3         | -8,267.8      | 8,272.2                    | 271.88                 | 0.21                 | 618,324.94         | 623,996.82        |
|        | 16,457.0     | 91.50      | 271.90               | 7,948.2       | 274.3         | -8,360.7      | 8,365.2                    | 271.88                 | 0.15                 | 618,327.94         | 623,903.90        |
|        | 16,549.0     | 91.00      | 271.70               | 7,946.2       | 277.2         | -8,452.6      | 8,457.2                    | 271.88                 | 0.59                 | 618,330.83         | 623,811.96        |
|        | 16,641.0     | 90.90      | 271.50               | 7,944.6       | 279.8         | -8,544.6      | 8,549.2                    | 271.88                 | 0.24                 | 618,333.40         | 623,720.01        |



# Stryker Energy Directional Services

## Survey Report Landscape



**Company:** Mewbourne Oil Company  
**Project:** Eddy County, N.M. Nad (83)  
**Site:** Section 35-18S-29E Wishbone  
**Well:** Wishbone 35/34 B2PM Fed Com #1H  
**Wellbore:** Original Hole  
**Design:** As Drilled

**Local Co-ordinate Reference:** Sila Section 35-18S-29E Wishbone  
**TVD Reference:** 3435+27 @ 3462.0usft (Patterson 217)  
**MD Reference:** 3435+27 @ 3462.0usft (Patterson 217)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM5000

| Survey                    | MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | Closure Distance<br>(usft) | Closure Azimuth<br>(°) | D Leg<br>(°/100usft) | Northing<br>(usft) | Easting<br>(usft) |
|---------------------------|--------------|------------|----------------------|---------------|---------------|---------------|----------------------------|------------------------|----------------------|--------------------|-------------------|
|                           | 16,735.0     | 90.80      | 271.30               | 7,943.2       | 282.1         | -8,638.5      | 8,643.2                    | 271.87                 | 0.24                 | 618,335.70         | 623,626.05        |
|                           | 16,828.0     | 90.80      | 271.00               | 7,941.9       | 284.0         | -8,731.5      | 8,736.1                    | 271.86                 | 0.32                 | 618,337.56         | 623,533.08        |
|                           | 16,920.0     | 90.90      | 270.60               | 7,940.6       | 285.2         | -8,823.5      | 8,828.1                    | 271.85                 | 0.45                 | 618,338.85         | 623,441.10        |
|                           | 17,012.0     | 91.30      | 270.50               | 7,938.8       | 286.1         | -8,915.5      | 8,920.1                    | 271.84                 | 0.45                 | 618,339.73         | 623,349.12        |
|                           | 17,105.0     | 91.30      | 270.50               | 7,936.7       | 286.9         | -9,008.5      | 9,013.0                    | 271.82                 | 0.00                 | 618,340.54         | 623,256.15        |
|                           | 17,198.0     | 91.00      | 269.90               | 7,934.8       | 287.3         | -9,101.4      | 9,106.0                    | 271.81                 | 0.72                 | 618,340.87         | 623,163.17        |
|                           | 17,290.0     | 91.20      | 269.80               | 7,933.1       | 287.0         | -9,193.4      | 9,197.9                    | 271.79                 | 0.24                 | 618,340.62         | 623,071.18        |
|                           | 17,383.0     | 90.90      | 269.40               | 7,931.4       | 286.4         | -9,286.4      | 9,290.8                    | 271.77                 | 0.54                 | 618,339.98         | 622,978.20        |
|                           | 17,475.0     | 91.30      | 269.30               | 7,929.6       | 285.3         | -9,378.4      | 9,382.7                    | 271.74                 | 0.45                 | 618,338.93         | 622,886.22        |
|                           | 17,568.0     | 91.00      | 268.70               | 7,927.7       | 283.7         | -9,471.3      | 9,475.6                    | 271.72                 | 0.72                 | 618,337.31         | 622,793.26        |
|                           | 17,662.0     | 91.10      | 269.10               | 7,926.0       | 281.9         | -9,565.3      | 9,569.5                    | 271.69                 | 0.44                 | 618,335.51         | 622,699.29        |
|                           | 17,757.0     | 90.90      | 269.30               | 7,924.3       | 280.6         | -9,660.3      | 9,664.4                    | 271.66                 | 0.30                 | 618,334.18         | 622,604.32        |
|                           | 17,852.0     | 90.90      | 269.80               | 7,922.9       | 279.8         | -9,755.3      | 9,759.3                    | 271.64                 | 0.53                 | 618,333.43         | 622,509.33        |
|                           | 17,946.0     | 90.80      | 270.00               | 7,921.4       | 279.7         | -9,849.3      | 9,853.2                    | 271.63                 | 0.21                 | 618,333.27         | 622,415.34        |
|                           | 18,041.0     | 90.90      | 270.20               | 7,919.9       | 279.8         | -9,944.2      | 9,948.2                    | 271.61                 | 0.21                 | 618,333.43         | 622,320.35        |
|                           | 18,135.0     | 90.80      | 270.30               | 7,918.5       | 280.2         | -10,038.2     | 10,042.1                   | 271.60                 | 0.15                 | 618,333.84         | 622,226.37        |
|                           | 18,230.0     | 90.70      | 270.50               | 7,917.2       | 280.9         | -10,133.2     | 10,137.1                   | 271.59                 | 0.24                 | 618,334.51         | 622,131.38        |
|                           | 18,260.0     | 90.70      | 270.60               | 7,916.9       | 281.2         | -10,163.2     | 10,167.1                   | 271.58                 | 0.33                 | 618,334.80         | 622,101.38        |
|                           | 18,295.0     | 90.70      | 270.60               | 7,916.5       | 281.6         | -10,198.2     | 10,202.1                   | 271.58                 | 0.00                 | 618,335.16         | 622,066.38        |
| 18295.0' Projected to bit |              |            |                      |               |               |               |                            |                        |                      |                    |                   |

| Design Annotations       |                 | Vertical       |                | Local Coordinates         |  | Comment |  |
|--------------------------|-----------------|----------------|----------------|---------------------------|--|---------|--|
| Measured Depth<br>(usft) | Depth<br>(usft) | +N-S<br>(usft) | +E-W<br>(usft) |                           |  |         |  |
| 1,200.0                  | 1,199.1         | 7.2            | -42.2          | First Stryker Surveys     |  |         |  |
| 18,295.0                 | 7,916.5         | 281.6          | -10,198.2      | 18295.0' Projected to bit |  |         |  |