

30-025-43112

# Endurance Resources LLC

**HALLIBURTON**  
Sperry Drilling Services

Project: Lea County, NM (NAD 83)  
Site: Tele Delux 32 State  
Well: Tele Delux 32 State 1H  
Wellbore: Wellbore #1  
Design: Plan #4  
Rig: TBD

## SURFACE LOCATION

US State Plane 1983  
New Mexico Eastern Zone  
Elevation: GL 3296.5' @ 3296.50usft (TBD)  
Northing 399088.97 Easting 831629.90  
Latitude 32° 5' 37.343 N Longitude 103° 23' 45.362 W

To convert a Magnetic Direction to a Grid Direction, Add 6.67°

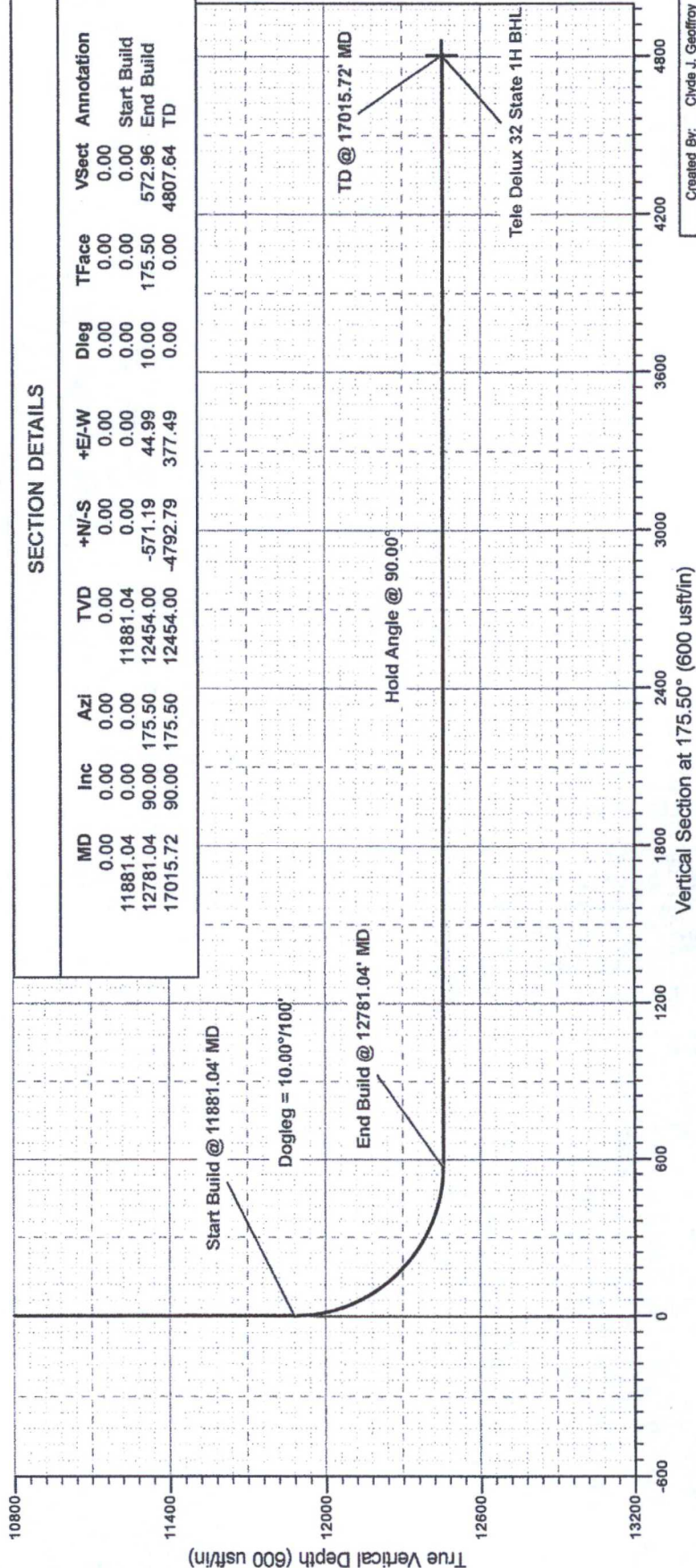
Magnetic Model: BGGM2015 Date: 11-Jun-15  
Azimuths to Grid North

## WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

| Name                       | TVD      | +N/-S    | +E/-W  | Northing  | Easting   | Latitude        | Longitude         |
|----------------------------|----------|----------|--------|-----------|-----------|-----------------|-------------------|
| Tele Delux 32 State 1H BHL | 12454.00 | -4792.79 | 377.49 | 394296.18 | 832007.39 | 32° 4' 49.886 N | 103° 23' 41.459 W |

## SECTION DETAILS

| MD       | Inc   | Azi    | TVD      | +N/-S    | +E/-W  | Dleg  | TFace  | Vsect   | Annotation  |
|----------|-------|--------|----------|----------|--------|-------|--------|---------|-------------|
| 0.00     | 0.00  | 0.00   | 0.00     | 0.00     | 0.00   | 0.00  | 0.00   | 0.00    |             |
| 11881.04 | 0.00  | 0.00   | 11881.04 | 0.00     | 0.00   | 0.00  | 0.00   | 0.00    | Start Build |
| 12781.04 | 90.00 | 175.50 | 12454.00 | -571.19  | 44.99  | 10.00 | 175.50 | 572.96  | End Build   |
| 17015.72 | 90.00 | 175.50 | 12454.00 | -4792.79 | 377.49 | 0.00  | 0.00   | 4807.64 | TD          |



Vertical Section at 175.50° (600 usft/in)

Created By: Clyde J. Geoffroy

MAR 09 2016

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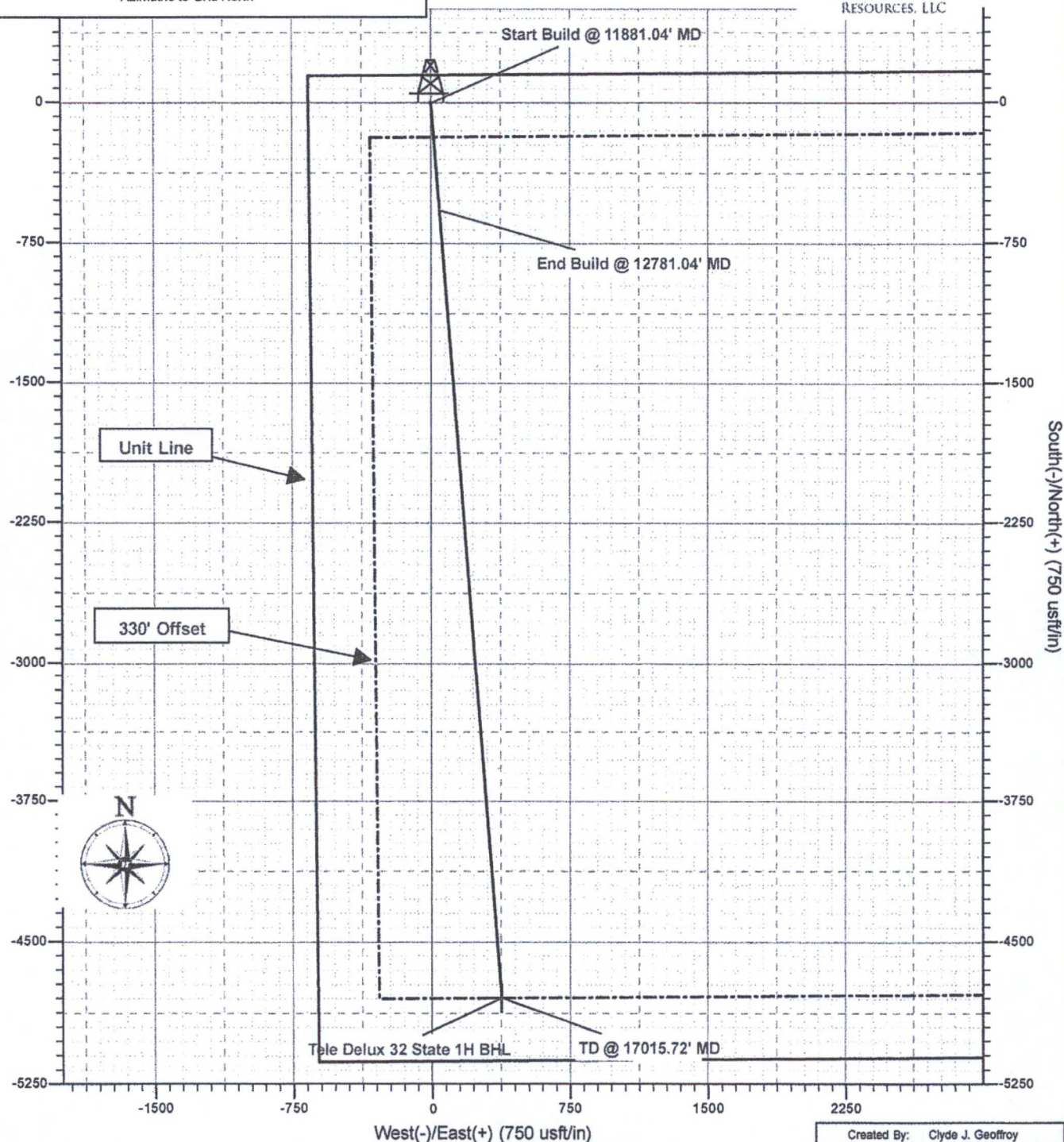
## SURFACE LOCATION

|                                           |           |                 |                   |
|-------------------------------------------|-----------|-----------------|-------------------|
| US State Plane 1983                       |           |                 |                   |
| New Mexico Eastern Zone                   |           |                 |                   |
| Elevation: GL 3296.5' @ 3296.50usft (TBD) |           |                 |                   |
| Northing                                  | Easting   | Latitude        | Longitude         |
| 399088.97                                 | 831629.90 | 32° 5' 37.343 N | 103° 23' 45.362 W |



To convert a Magnetic Direction to a Grid Direction, Add 6.67°

Magnetic Model: BGGM2015 Date: 11-Jun-15  
Azimuths to Grid North



Created By: Clyde J. Geoffroy

# **Endurance Resources LLC**

Lea County, NM (NAD 83)

Tele Delux 32 State

Tele Delux 32 State 1H

Wellbore #1

Plan: Plan #4

## **Sperry Drilling Services Proposal Report**

08 March, 2016

Well Coordinates: 399,088.97 N, 831,629.90 E (32° 05' 37.34" N, 103° 23' 45.36" W)  
Ground Level: 3,296.50 usft

|                          |                                         |
|--------------------------|-----------------------------------------|
| Local Coordinate Origin: | Centered on Well Tele Delux 32 State 1H |
| Viewing Datum:           | GL 3296.5' @ 3296.50usft (TBD)          |
| TVDs to System:          | N                                       |
| North Reference:         | Grid                                    |
| Unit System:             | API - US Survey Feet                    |

Version: 5000.1 Build: 76

**HALLIBURTON**

## Plan Report for Tele Delux 32 State 1H - Plan #4

| 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) | Toolface Azimuth (°) |
|---------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|----------------------|
| 0.00                                              | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 11,881.04                                         | 0.00            | 0.00        | 11,881.04             | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| Start Build @ 11881.04' MD - Dogleg = 10.00°/100' |                 |             |                       |              |              |                         |                         |                        |                       |                      |
| 11,900.00                                         | 1.90            | 175.50      | 11,900.00             | -0.31        | 0.02         | 0.31                    | 10.00                   | 10.00                  | 0.00                  | 175.50               |
| 12,000.00                                         | 11.90           | 175.50      | 11,999.15             | -12.27       | 0.97         | 12.30                   | 10.00                   | 10.00                  | 0.00                  | 0.00                 |
| 12,100.00                                         | 21.90           | 175.50      | 12,094.71             | -41.20       | 3.25         | 41.33                   | 10.00                   | 10.00                  | 0.00                  | 0.00                 |
| 12,200.00                                         | 31.90           | 175.50      | 12,183.78             | -86.24       | 6.79         | 86.51                   | 10.00                   | 10.00                  | 0.00                  | 0.00                 |
| 12,300.00                                         | 41.90           | 175.50      | 12,263.65             | -146.02      | 11.50        | 146.47                  | 10.00                   | 10.00                  | 0.00                  | 0.00                 |
| 12,400.00                                         | 51.90           | 175.50      | 12,331.90             | -218.71      | 17.23        | 219.39                  | 10.00                   | 10.00                  | 0.00                  | 0.00                 |
| 12,500.00                                         | 61.90           | 175.50      | 12,386.44             | -302.12      | 23.80        | 303.05                  | 10.00                   | 10.00                  | 0.00                  | 0.00                 |
| 12,600.00                                         | 71.90           | 175.50      | 12,425.63             | -393.69      | 31.01        | 394.91                  | 10.00                   | 10.00                  | 0.00                  | 0.00                 |
| 12,700.00                                         | 81.90           | 175.50      | 12,448.28             | -490.67      | 38.65        | 492.19                  | 10.00                   | 10.00                  | 0.00                  | 0.00                 |
| 12,781.04                                         | 90.00           | 175.50      | 12,454.00             | -571.19      | 44.99        | 572.96                  | 10.00                   | 10.00                  | 0.00                  | 0.00                 |
| End Build @ 12781.04' MD - Hold Angle @ 90.00°    |                 |             |                       |              |              |                         |                         |                        |                       |                      |
| 12,800.00                                         | 90.00           | 175.50      | 12,454.00             | -590.09      | 46.48        | 591.92                  | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 12,900.00                                         | 90.00           | 175.50      | 12,454.00             | -689.78      | 54.33        | 691.92                  | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 13,000.00                                         | 90.00           | 175.50      | 12,454.00             | -789.47      | 62.18        | 791.92                  | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 13,100.00                                         | 90.00           | 175.50      | 12,454.00             | -889.16      | 70.03        | 891.92                  | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 13,200.00                                         | 90.00           | 175.50      | 12,454.00             | -988.85      | 77.88        | 991.92                  | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 13,300.00                                         | 90.00           | 175.50      | 12,454.00             | -1,088.54    | 85.74        | 1,091.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 13,400.00                                         | 90.00           | 175.50      | 12,454.00             | -1,188.24    | 93.59        | 1,191.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 13,500.00                                         | 90.00           | 175.50      | 12,454.00             | -1,287.93    | 101.44       | 1,291.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 13,600.00                                         | 90.00           | 175.50      | 12,454.00             | -1,387.62    | 109.29       | 1,391.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 13,700.00                                         | 90.00           | 175.50      | 12,454.00             | -1,487.31    | 117.14       | 1,491.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 13,800.00                                         | 90.00           | 175.50      | 12,454.00             | -1,587.00    | 125.00       | 1,591.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 13,900.00                                         | 90.00           | 175.50      | 12,454.00             | -1,686.69    | 132.85       | 1,691.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 14,000.00                                         | 90.00           | 175.50      | 12,454.00             | -1,786.38    | 140.70       | 1,791.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 14,100.00                                         | 90.00           | 175.50      | 12,454.00             | -1,886.07    | 148.55       | 1,891.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 14,200.00                                         | 90.00           | 175.50      | 12,454.00             | -1,985.77    | 156.40       | 1,991.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 14,300.00                                         | 90.00           | 175.50      | 12,454.00             | -2,085.46    | 164.26       | 2,091.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 14,400.00                                         | 90.00           | 175.50      | 12,454.00             | -2,185.15    | 172.11       | 2,191.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 14,500.00                                         | 90.00           | 175.50      | 12,454.00             | -2,284.84    | 179.96       | 2,291.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 14,600.00                                         | 90.00           | 175.50      | 12,454.00             | -2,384.53    | 187.81       | 2,391.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 14,700.00                                         | 90.00           | 175.50      | 12,454.00             | -2,484.22    | 195.66       | 2,491.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 14,800.00                                         | 90.00           | 175.50      | 12,454.00             | -2,583.91    | 203.51       | 2,591.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 14,900.00                                         | 90.00           | 175.50      | 12,454.00             | -2,683.60    | 211.37       | 2,691.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 15,000.00                                         | 90.00           | 175.50      | 12,454.00             | -2,783.30    | 219.22       | 2,791.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 15,100.00                                         | 90.00           | 175.50      | 12,454.00             | -2,882.99    | 227.07       | 2,891.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 15,200.00                                         | 90.00           | 175.50      | 12,454.00             | -2,982.68    | 234.92       | 2,991.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 15,300.00                                         | 90.00           | 175.50      | 12,454.00             | -3,082.37    | 242.77       | 3,091.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 15,400.00                                         | 90.00           | 175.50      | 12,454.00             | -3,182.06    | 250.63       | 3,191.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 15,500.00                                         | 90.00           | 175.50      | 12,454.00             | -3,281.75    | 258.48       | 3,291.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 15,600.00                                         | 90.00           | 175.50      | 12,454.00             | -3,381.44    | 266.33       | 3,391.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 15,700.00                                         | 90.00           | 175.50      | 12,454.00             | -3,481.13    | 274.18       | 3,491.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 15,800.00                                         | 90.00           | 175.50      | 12,454.00             | -3,580.83    | 282.03       | 3,591.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 15,900.00                                         | 90.00           | 175.50      | 12,454.00             | -3,680.52    | 289.89       | 3,691.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 16,000.00                                         | 90.00           | 175.50      | 12,454.00             | -3,780.21    | 297.74       | 3,791.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 16,100.00                                         | 90.00           | 175.50      | 12,454.00             | -3,879.90    | 305.59       | 3,891.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 16,200.00                                         | 90.00           | 175.50      | 12,454.00             | -3,979.59    | 313.44       | 3,991.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 16,300.00                                         | 90.00           | 175.50      | 12,454.00             | -4,079.28    | 321.29       | 4,091.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 16,400.00                                         | 90.00           | 175.50      | 12,454.00             | -4,178.97    | 329.14       | 4,191.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 16,500.00                                         | 90.00           | 175.50      | 12,454.00             | -4,278.66    | 337.00       | 4,291.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 16,600.00                                         | 90.00           | 175.50      | 12,454.00             | -4,378.36    | 344.85       | 4,391.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 16,700.00                                         | 90.00           | 175.50      | 12,454.00             | -4,478.05    | 352.70       | 4,491.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 16,800.00                                         | 90.00           | 175.50      | 12,454.00             | -4,577.74    | 360.55       | 4,591.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 16,900.00                                         | 90.00           | 175.50      | 12,454.00             | -4,677.43    | 368.40       | 4,691.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 17,000.00                                         | 90.00           | 175.50      | 12,454.00             | -4,777.12    | 376.26       | 4,791.92                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |
| 17,015.72                                         | 90.00           | 175.50      | 12,454.00             | -4,792.79    | 377.49       | 4,807.64                | 0.00                    | 0.00                   | 0.00                  | 0.00                 |

## Plan Report for Tele Delux 32 State 1H - Plan #4

| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) | Toolface<br>Azimuth<br>(°) |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|----------------------------|
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|----------------------------|

TD @ 17015.72' MD - Tele Delux 32 State 1H BHL

Plan Annotations

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                    |
|-----------------------------|-----------------------------|-------------------|-----------------|----------------------------|
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                            |
| 11,881.04                   | 11,881.04                   | 0.00              | 0.00            | Start Build @ 11881.04' MD |
| 11,881.04                   | 11,881.04                   | 0.00              | 0.00            | Dogleg = 10.00°/100'       |
| 12,781.04                   | 12,454.00                   | -571.19           | 44.99           | End Build @ 12781.04' MD   |
| 12,781.04                   | 12,454.00                   | -571.19           | 44.99           | Hold Angle @ 90.00°        |
| 17,015.72                   | 12,454.00                   | -4,792.79         | 377.49          | TD @ 17015.72' MD          |

Vertical Section Information

| Angle<br>Type | Target               | Azimuth<br>(°) | Origin<br>Type | Origin<br>+N/-S<br>(usft) | Origin<br>+E/-W<br>(usft) | Start<br>TVD<br>(usft) |
|---------------|----------------------|----------------|----------------|---------------------------|---------------------------|------------------------|
| TD            | No Target (Freehand) | 175.50         | Slot           | 0.00                      | 0.00                      | 0.00                   |

Survey tool program

| From<br>(usft) | To<br>(usft) | Survey/Plan | Survey Tool |
|----------------|--------------|-------------|-------------|
| 0.00           | 17,015.72    | Plan #4     | MWD+SC      |

Targets associated with this wellbore

| Target Name                | TVD<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Shape |
|----------------------------|---------------|-----------------|-----------------|-------|
| Tele Delux 32 State 1H BHL | 12,454.00     | -4,792.79       | 377.49          | Point |

**North Reference Sheet for Tele Delux 32 State - Tele Delux 32 State 1H - Wellbore #1**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3296.5' @ 3296.50usft (TBD). Northing and Easting are relative to Tele Delux 32 State 1H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104.33°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 0° 0' 0.000 N°

False Easting: 541,337.50usft, False Northing: 0.00usft, Scale Reduction: 1.00000561

Grid Coordinates of Well: 399,088.97 usft N, 831,629.90 usft E

Geographical Coordinates of Well: 32° 05' 37.34" N, 103° 23' 45.36" W

Grid Convergence at Surface is: 0.50°

Based upon Minimum Curvature type calculations, at a Measured Depth of 17,015.72usft the Bottom Hole Displacement is 4,807.64usft in the Direction of 175.50° (Grid).

Magnetic Convergence at surface is: -6.67° (11 June 2015, , BGGM2015)

