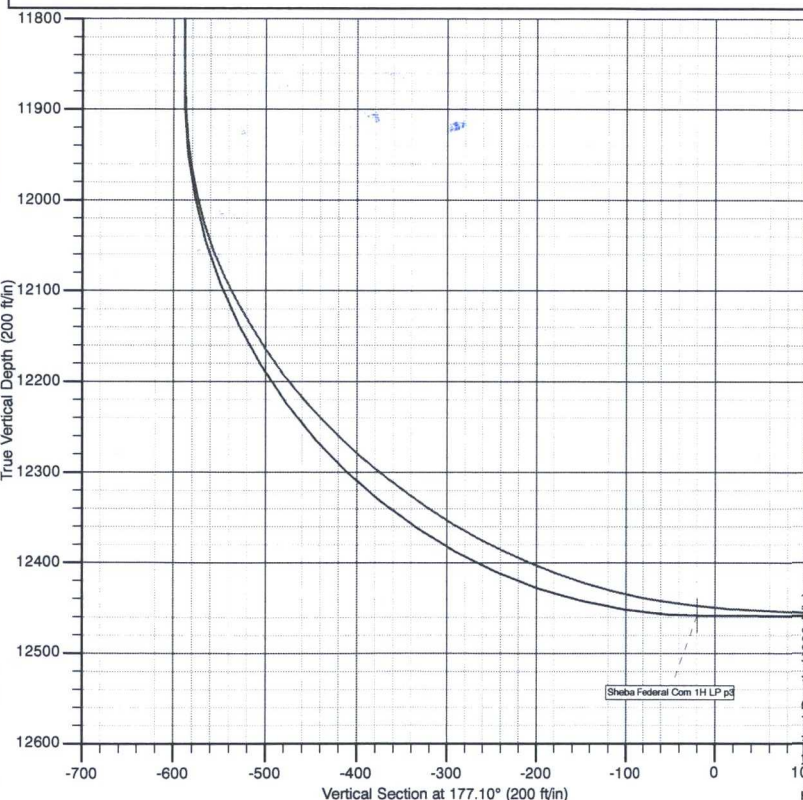


Project: Lea County, NM (NAD 83)  
Site: Sheba Federal Com 1H  
Well: Sheba Federal Com 1H  
Wellbore: Sheba Federal Com 1H  
Design: Sheba Federal Com 1H  
Latitude: 32° 12' 30.904 N  
Longitude: 103° 27' 3.630 W  
GL: 3499.00  
KB: WELL @ 3519.00ft (Original Well Elev)

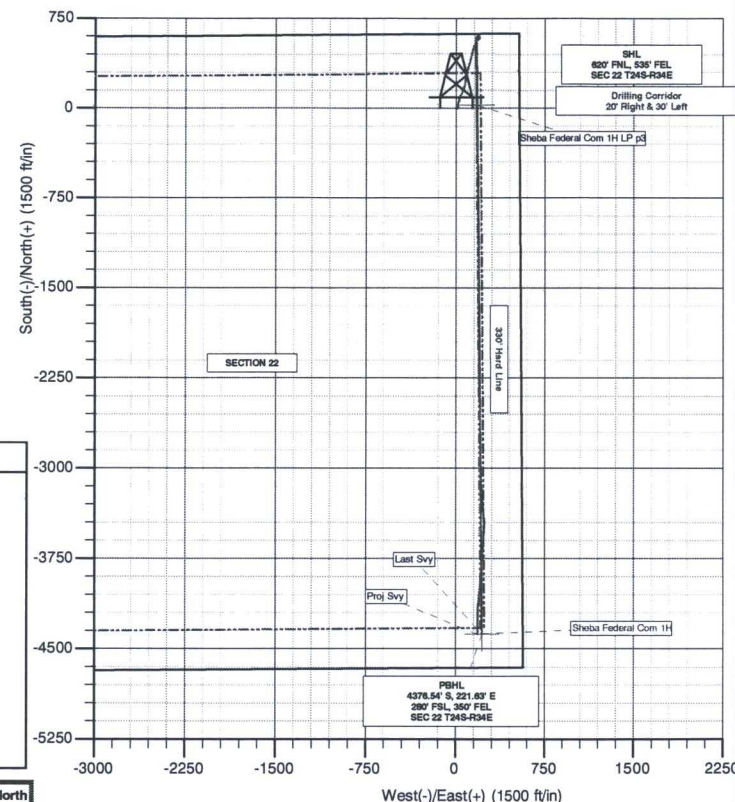
| WELLBORE TARGET DETAILS (LAT/LONG) |          |          |        |           |           |                  |
|------------------------------------|----------|----------|--------|-----------|-----------|------------------|
| Name                               | TVD      | +N/-S    | +E/-W  | Northing  | Easting   | Latitude         |
| Sheba Federal Com 1H LP p3         | 12458.00 | 28.24    | 175.94 | 440765.34 | 814407.34 | 32° 12' 31.169 N |
| PBHL Sheba Federal Com 1H P3       | 12488.00 | -4376.54 | 221.63 | 436360.57 | 814453.03 | 32° 11' 47.580 N |

| WELL DETAILS: Sheba Federal Com 1H |       |           |                      |                  |                  |      |
|------------------------------------|-------|-----------|----------------------|------------------|------------------|------|
| +N/-S                              | +E/-W | Northing  | Ground Level:        | Latitude         | Longitude        | Slot |
| 0.00                               | 0.00  | 440737.10 | 3499.00<br>814231.40 | 32° 12' 30.904 N | 103° 27' 3.630 W |      |

| SECTION DETAILS |       |        |          |          |        |       |        |         |                                   |
|-----------------|-------|--------|----------|----------|--------|-------|--------|---------|-----------------------------------|
| MD              | Inc   | Azi    | TVD      | +N/-S    | +E/-W  | Dleg  | TFace  | Vsect   | Annotation                        |
| 11640.00        | 2.55  | 328.99 | 11588.29 | 592.41   | 172.96 | 0.00  | 0.00   | -582.90 | Survey Tie On Drop -1.00          |
| 11895.00        | 0.00  | 0.00   | 11843.21 | 597.27   | 170.03 | 1.00  | 180.00 | -587.91 | Start 41.85 hold at 11895.00 MD   |
| 11936.85        | 0.00  | 0.00   | 11895.06 | 597.27   | 170.03 | 0.00  | 0.00   | -587.91 | Start DLS 10.00 TFO 179.41        |
| 12832.95        | 89.61 | 179.41 | 12458.00 | 28.24    | 175.94 | 10.00 | 179.41 | -19.31  | Start 4405.13 hold at 12832.95 MD |
| 17238.08        | 89.61 | 179.41 | 12488.00 | -4376.54 | 221.63 | 0.00  | 0.00   | 4382.15 | TD at 17238.08                    |



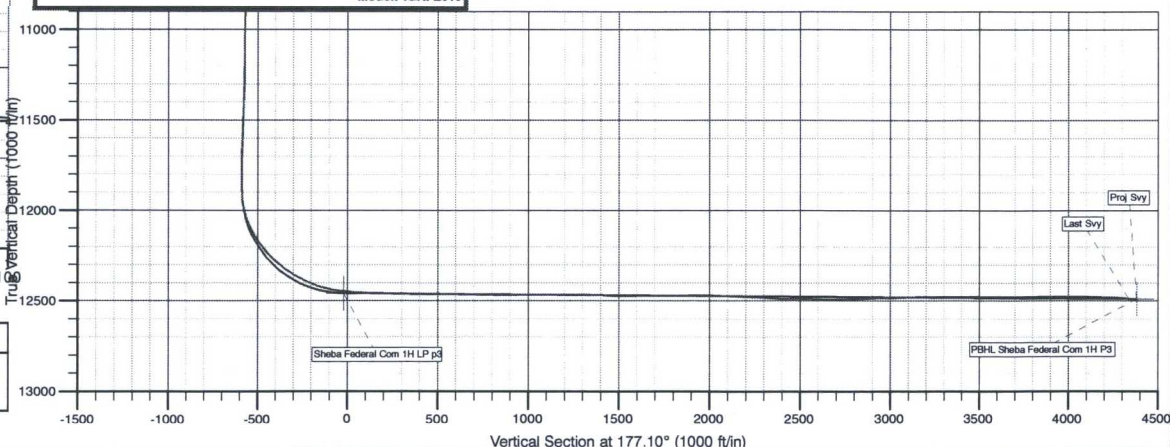
| FORMATION TOP DETAILS |          |                            |
|-----------------------|----------|----------------------------|
| TVDPath               | MDPath   | Formation                  |
| 1150.01               | 1150.02  | Rustler                    |
| 1250.01               | 1250.03  | Salt Top                   |
| 3819.88               | 3820.13  | Salt Base                  |
| 3874.89               | 3875.14  | Lamar Limestone            |
| 5398.36               | 5416.21  | Delaware Bell Canyon       |
| 6566.91               | 6602.31  | Delaware Cherry Canyon     |
| 7745.60               | 7795.77  | Delaware Brushy Canyon     |
| 9050.70               | 9101.94  | Lower Brushy Canyon Marker |
| 9205.72               | 9256.97  | Bone Spring                |
| 9270.72               | 9321.98  | Avalon Shale Top           |
| 9505.74               | 9557.02  | Carbonate                  |
| 10295.76              | 10347.17 | 1st Bone Spring Sand       |
| 10540.76              | 10592.20 | Carbonate                  |
| 10895.74              | 10947.20 | 2nd Bone Spring Sand       |
| 11335.69              | 11387.21 | Carbonate                  |
| 11870.59              | 11922.38 | 3rd Bone Spring Sand       |
| 12377.69              | 12529.80 | Wolfcamp                   |
| 12403.05              | 12583.82 | Horizontal Interval Top    |



Survey: Survey #2 (Sheba Federal Com 1H/Sheba Federal Com 1H)  
Created By: TRACY WILLIAMS Date: 8:29, October 02 2016

| PROJECT DETAILS: Lea County, NM (NAD 83) |                           |
|------------------------------------------|---------------------------|
| Geodetic System:                         | US State Plane 1983       |
| Datum:                                   | North American Datum 1983 |
| Ellipsoid:                               | GRS 1980                  |
| Zone:                                    | New Mexico Eastern Zone   |
| System Datum:                            | Mean Sea Level            |

| CASING DETAILS |          |        |       |
|----------------|----------|--------|-------|
| TVD            | MD       | Name   | Size  |
| 11588.29       | 11640.00 | 7 5/8" | 7-5/8 |
| 12488.00       | 17238.08 | 5 1/2" | 5-1/2 |





## **GMT Exploration**

Lea County, NM (NAD 83)

Sheba Federal Com 1H

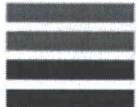
Sheba Federal Com 1H

Sheba Federal Com 1H

Design: Sheba Federal Com 1H

## **Standard Survey Report**

02 October, 2016

 **NEWSCO**

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | GMT Exploration         | <b>Local Co-ordinate Reference:</b> | Well Sheba Federal Com 1H             |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | WELL @ 3519.00ft (Original Well Elev) |
| <b>Site:</b>     | Sheba Federal Com 1H    | <b>MD Reference:</b>                | WELL @ 3519.00ft (Original Well Elev) |
| <b>Well:</b>     | Sheba Federal Com 1H    | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | Sheba Federal Com 1H    | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | Sheba Federal Com 1H    | <b>Database:</b>                    | EDM 5000.1 Single User Db             |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (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   |                      |                |

|                              |                      |                     |                 |                          |                  |
|------------------------------|----------------------|---------------------|-----------------|--------------------------|------------------|
| <b>Site</b>                  | Sheba Federal Com 1H |                     |                 |                          |                  |
| <b>Site Position:</b>        |                      | <b>Northing:</b>    | 440,737.10 usft | <b>Latitude:</b>         | 32° 12' 30.904 N |
| <b>From:</b>                 | Lat/Long             | <b>Easting:</b>     | 814,231.40 usft | <b>Longitude:</b>        | 103° 27' 3.630 W |
| <b>Position Uncertainty:</b> | 0.00 ft              | <b>Slot Radius:</b> | 13-3/16"        | <b>Grid Convergence:</b> | 0.47 °           |

| Well                 | Sheba Federal Com 1H |         |                     |                 |               |                  |
|----------------------|----------------------|---------|---------------------|-----------------|---------------|------------------|
| Well Position        | +N/-S                | 0.00 ft | Northing:           | 440,737.10 usft | Latitude:     | 32° 12' 30.904 N |
|                      | +E/-W                | 0.00 ft | Easting:            | 814,231.40 usft | Longitude:    | 103° 27' 3.630 W |
| Position Uncertainty |                      | 0.00 ft | Wellhead Elevation: | 0.00 ft         | Ground Level: | 3,499.00 ft      |

|                  |                      |                    |                        |                      |                            |
|------------------|----------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Sheba Federal Com 1H |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b>    | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2015             | 08/19/16           | 6.99                   | 60.08                | 48,026                     |

|                          |                         |               |              |                      |      |
|--------------------------|-------------------------|---------------|--------------|----------------------|------|
| <b>Design</b>            | Sheba Federal Com 1H    |               |              |                      |      |
| <b>Audit Notes:</b>      |                         |               |              |                      |      |
| <b>Version:</b>          | 1.0                     | <b>Phase:</b> | ACTUAL       | <b>Tie On Depth:</b> | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b>  | <b>+E/-W</b> | <b>Direction</b>     |      |
|                          | (ft)                    | (ft)          | (ft)         | (°)                  |      |
|                          | 0.00                    | 0.00          | 0.00         | 177.10               |      |

|                       |                |                                  |                  |                     |  |
|-----------------------|----------------|----------------------------------|------------------|---------------------|--|
| <b>Survey Program</b> | <b>Date</b>    | 10/02/16                         |                  |                     |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b>         | <b>Tool Name</b> | <b>Description</b>  |  |
| 184.00                | 1,054.00       | Survey #1 (Sheba Federal Com 1H) | MWD              | OWSG MWD - Standard |  |
| 1,233.00              | 17,222.00      | Survey #2 (Sheba Federal Com 1H) | MWD              | OWSG MWD - Standard |  |

|                            |                        |                    |                            |                   |                   |                              |                                |                               |                              |  |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| <b>Survey</b>              |                        |                    |                            |                   |                   |                              |                                |                               |                              |  |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Vertical Section (ft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |  |
| 0.00                       | 0.00                   | 0.00               | 0.00                       | 0.00              | 0.00              | 0.00                         | 0.00                           | 0.00                          | 0.00                         |  |
| 184.00                     | 0.30                   | 262.00             | 184.00                     | -0.07             | -0.48             | 0.04                         | 0.16                           | 0.16                          | 0.00                         |  |
| 204.00                     | 0.30                   | 262.10             | 204.00                     | -0.08             | -0.58             | 0.05                         | 0.00                           | 0.00                          | 0.50                         |  |
| 276.00                     | 0.20                   | 113.10             | 276.00                     | -0.16             | -0.65             | 0.12                         | 0.67                           | -0.14                         | -206.94                      |  |
| 368.00                     | 0.20                   | 98.10              | 368.00                     | -0.24             | -0.35             | 0.22                         | 0.06                           | 0.00                          | -16.30                       |  |
| 458.00                     | 0.20                   | 158.10             | 458.00                     | -0.41             | -0.13             | 0.40                         | 0.22                           | 0.00                          | 66.67                        |  |
| 566.00                     | 0.40                   | 131.10             | 566.00                     | -0.83             | 0.22              | 0.84                         | 0.22                           | 0.19                          | -25.00                       |  |
| 656.00                     | 0.30                   | 81.10              | 655.99                     | -1.00             | 0.69              | 1.04                         | 0.34                           | -0.11                         | -55.56                       |  |
| 744.00                     | 0.30                   | 34.10              | 743.99                     | -0.78             | 1.05              | 0.83                         | 0.27                           | 0.00                          | -53.41                       |  |
| 802.00                     | 0.40                   | 68.10              | 801.99                     | -0.58             | 1.32              | 0.64                         | 0.39                           | 0.17                          | 58.62                        |  |
| 862.00                     | 0.40                   | 53.10              | 861.99                     | -0.37             | 1.68              | 0.46                         | 0.17                           | 0.00                          | -25.00                       |  |
| 956.00                     | 0.40                   | 120.10             | 955.99                     | -0.34             | 2.23              | 0.45                         | 0.47                           | 0.00                          | 71.28                        |  |

|           |                         |                              |                                       |
|-----------|-------------------------|------------------------------|---------------------------------------|
| Company:  | GMT Exploration         | Local Co-ordinate Reference: | Well Sheba Federal Com 1H             |
| Project:  | Lea County, NM (NAD 83) | TVD Reference:               | WELL @ 3519.00ft (Original Well Elev) |
| Site:     | Sheba Federal Com 1H    | MD Reference:                | WELL @ 3519.00ft (Original Well Elev) |
| Well:     | Sheba Federal Com 1H    | North Reference:             | Grid                                  |
| Wellbore: | Sheba Federal Com 1H    | Survey Calculation Method:   | Minimum Curvature                     |
| Design:   | Sheba Federal Com 1H    | Database:                    | EDM 5000.1 Single User Db             |

## Survey

| Measured<br>Depth<br>(ft)                 | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Vertical<br>Section<br>(ft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|-------------------------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-------------------------------|------------------------------|-----------------------------|
| Tie on to Teledrift - tie on to teledrift |                    |                |                           |               |               |                             |                               |                              |                             |
| 1,054.00                                  | 0.30               | 120.10         | 1,053.99                  | -0.64         | 2.75          | 0.78                        | 0.10                          | -0.10                        | 0.00                        |
| 1,233.00                                  | 0.40               | 105.20         | 1,232.98                  | -1.04         | 3.76          | 1.23                        | 0.08                          | 0.06                         | -8.32                       |
| 1,328.00                                  | 0.30               | 104.70         | 1,327.98                  | -1.19         | 4.32          | 1.40                        | 0.11                          | -0.11                        | -0.53                       |
| 1,423.00                                  | 0.20               | 48.30          | 1,422.98                  | -1.14         | 4.68          | 1.38                        | 0.27                          | -0.11                        | -59.37                      |
| 1,518.00                                  | 0.30               | 76.50          | 1,517.98                  | -0.97         | 5.05          | 1.23                        | 0.16                          | 0.11                         | 29.68                       |
| 1,613.00                                  | 0.50               | 82.10          | 1,612.98                  | -0.86         | 5.70          | 1.14                        | 0.21                          | 0.21                         | 5.89                        |
| 1,709.00                                  | 0.80               | 82.60          | 1,708.97                  | -0.71         | 6.78          | 1.06                        | 0.31                          | 0.31                         | 0.52                        |
| 1,804.00                                  | 0.80               | 80.40          | 1,803.96                  | -0.52         | 8.09          | 0.93                        | 0.03                          | 0.00                         | -2.32                       |
| 1,899.00                                  | 0.70               | 70.10          | 1,898.95                  | -0.21         | 9.29          | 0.68                        | 0.18                          | -0.11                        | -10.84                      |
| 1,994.00                                  | 0.60               | 65.00          | 1,993.95                  | 0.20          | 10.29         | 0.32                        | 0.12                          | -0.11                        | -5.37                       |
| 2,089.00                                  | 0.60               | 38.80          | 2,088.94                  | 0.80          | 11.05         | -0.24                       | 0.29                          | 0.00                         | -27.58                      |
| 2,184.00                                  | 0.80               | 27.50          | 2,183.94                  | 1.77          | 11.67         | -1.18                       | 0.25                          | 0.21                         | -11.89                      |
| 2,280.00                                  | 0.90               | 24.50          | 2,279.93                  | 3.05          | 12.29         | -2.43                       | 0.11                          | 0.10                         | -3.13                       |
| 2,375.00                                  | 1.10               | 20.28          | 2,374.91                  | 4.59          | 12.92         | -3.93                       | 0.22                          | 0.21                         | -4.44                       |
| 2,470.00                                  | 1.23               | 10.70          | 2,469.89                  | 6.44          | 13.42         | -5.76                       | 0.25                          | 0.14                         | -10.08                      |
| 2,566.00                                  | 1.10               | 17.82          | 2,565.87                  | 8.33          | 13.89         | -7.62                       | 0.20                          | -0.14                        | 7.42                        |
| 2,661.00                                  | 1.27               | 20.28          | 2,660.85                  | 10.19         | 14.54         | -9.44                       | 0.19                          | 0.18                         | 2.59                        |
| 2,757.00                                  | 1.23               | 16.94          | 2,756.83                  | 12.17         | 15.21         | -11.39                      | 0.09                          | -0.04                        | -3.48                       |
| 2,852.00                                  | 1.10               | 18.70          | 2,851.81                  | 14.01         | 15.80         | -13.20                      | 0.14                          | -0.14                        | 1.85                        |
| 2,948.00                                  | 1.27               | 20.93          | 2,947.79                  | 15.88         | 16.47         | -15.03                      | 0.18                          | 0.18                         | 2.32                        |
| 3,043.00                                  | 0.70               | 4.41           | 3,042.77                  | 17.44         | 16.89         | -16.56                      | 0.66                          | -0.60                        | -17.39                      |
| 3,138.00                                  | 0.70               | 10.04          | 3,137.77                  | 18.59         | 17.04         | -17.71                      | 0.07                          | 0.00                         | 5.93                        |
| 3,233.00                                  | 0.22               | 311.68         | 3,232.76                  | 19.28         | 17.00         | -18.40                      | 0.65                          | -0.51                        | -61.43                      |
| 3,329.00                                  | 0.18               | 261.67         | 3,328.76                  | 19.38         | 16.72         | -18.51                      | 0.18                          | -0.04                        | -52.09                      |
| 3,424.00                                  | 0.18               | 243.03         | 3,423.76                  | 19.29         | 16.44         | -18.44                      | 0.06                          | 0.00                         | -19.62                      |
| 3,519.00                                  | 0.13               | 204.01         | 3,518.76                  | 19.13         | 16.26         | -18.28                      | 0.12                          | -0.05                        | -41.07                      |
| 3,615.00                                  | 0.35               | 176.32         | 3,614.76                  | 18.74         | 16.23         | -17.89                      | 0.25                          | 0.23                         | -28.84                      |
| 3,710.00                                  | 0.57               | 149.08         | 3,709.76                  | 18.04         | 16.49         | -17.18                      | 0.32                          | 0.23                         | -28.67                      |
| 3,805.00                                  | 0.79               | 160.86         | 3,804.75                  | 17.02         | 16.95         | -16.14                      | 0.27                          | 0.23                         | 12.40                       |
| 3,900.00                                  | 0.75               | 161.12         | 3,899.74                  | 15.81         | 17.37         | -14.91                      | 0.04                          | -0.04                        | 0.27                        |
| 3,996.00                                  | 1.45               | 337.78         | 3,995.74                  | 16.34         | 17.11         | -15.45                      | 2.29                          | 0.73                         | 184.02                      |
| 4,091.00                                  | 3.96               | 358.79         | 4,090.62                  | 20.73         | 16.59         | -19.87                      | 2.80                          | 2.64                         | 22.12                       |
| 4,186.00                                  | 6.90               | 9.60           | 4,185.19                  | 29.64         | 17.47         | -28.72                      | 3.26                          | 3.09                         | 11.38                       |
| 4,282.00                                  | 9.85               | 16.63          | 4,280.16                  | 43.20         | 20.78         | -42.09                      | 3.25                          | 3.07                         | 7.32                        |
| 4,377.00                                  | 9.85               | 15.92          | 4,373.76                  | 58.80         | 25.34         | -57.44                      | 0.13                          | 0.00                         | -0.75                       |
| 4,473.00                                  | 9.01               | 16.36          | 4,468.46                  | 73.91         | 29.71         | -72.31                      | 0.88                          | -0.88                        | 0.46                        |
| 4,568.00                                  | 8.26               | 19.62          | 4,562.38                  | 87.47         | 34.09         | -85.64                      | 0.94                          | -0.79                        | 3.43                        |
| 4,663.00                                  | 8.70               | 23.31          | 4,656.34                  | 100.50        | 39.23         | -98.39                      | 0.74                          | 0.46                         | 3.88                        |
| 4,758.00                                  | 10.37              | 22.16          | 4,750.03                  | 115.02        | 45.30         | -112.58                     | 1.77                          | 1.76                         | -1.21                       |
| 4,853.00                                  | 10.46              | 22.60          | 4,843.46                  | 130.90        | 51.84         | -128.11                     | 0.13                          | 0.09                         | 0.46                        |
| 4,948.00                                  | 10.33              | 15.57          | 4,936.91                  | 147.07        | 57.44         | -143.97                     | 1.34                          | -0.14                        | -7.40                       |
| 5,044.00                                  | 10.37              | 22.60          | 5,031.35                  | 163.33        | 63.07         | -159.94                     | 1.32                          | 0.04                         | 7.32                        |
| 5,139.00                                  | 10.55              | 21.11          | 5,124.77                  | 179.34        | 69.49         | -175.60                     | 0.34                          | 0.19                         | -1.57                       |
| 5,235.00                                  | 9.71               | 11.27          | 5,219.28                  | 195.48        | 74.23         | -191.48                     | 2.00                          | -0.88                        | -10.25                      |
| 5,328.00                                  | 8.79               | 7.66           | 5,311.07                  | 210.22        | 76.71         | -206.07                     | 1.17                          | -0.99                        | -3.88                       |
| 5,424.00                                  | 7.74               | 7.57           | 5,406.07                  | 223.89        | 78.54         | -219.64                     | 1.09                          | -1.09                        | -0.09                       |
| 5,519.00                                  | 8.79               | 12.76          | 5,500.09                  | 237.32        | 80.99         | -232.92                     | 1.35                          | 1.11                         | 5.46                        |
| 5,615.00                                  | 10.60              | 10.70          | 5,594.71                  | 253.15        | 84.25         | -248.56                     | 1.92                          | 1.89                         | -2.15                       |
| 5,711.00                                  | 10.86              | 11.18          | 5,689.03                  | 270.70        | 87.64         | -265.92                     | 0.29                          | 0.27                         | 0.50                        |
| 5,807.00                                  | 11.08              | 11.27          | 5,783.28                  | 288.61        | 91.20         | -283.63                     | 0.23                          | 0.23                         | 0.09                        |
| 5,903.00                                  | 10.95              | 12.32          | 5,877.51                  | 306.57        | 94.95         | -301.37                     | 0.25                          | -0.14                        | 1.09                        |
| 5,999.00                                  | 10.81              | 12.32          | 5,971.79                  | 324.27        | 98.81         | -318.86                     | 0.15                          | -0.15                        | 0.00                        |
| 6,095.00                                  | 11.03              | 11.97          | 6,066.05                  | 342.05        | 102.64        | -336.42                     | 0.24                          | 0.23                         | -0.36                       |

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | GMT Exploration         | <b>Local Co-ordinate Reference:</b> | Well Sheba Federal Com 1H             |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | WELL @ 3519.00ft (Original Well Elev) |
| <b>Site:</b>     | Sheba Federal Com 1H    | <b>MD Reference:</b>                | WELL @ 3519.00ft (Original Well Elev) |
| <b>Well:</b>     | Sheba Federal Com 1H    | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | Sheba Federal Com 1H    | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | Sheba Federal Com 1H    | <b>Database:</b>                    | EDM 5000.1 Single User Db             |

| Survey              |                 |             |                     |            |            |                       |                         |                        |                       |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 6,191.00            | 10.51           | 13.55       | 6,160.36            | 359.55     | 106.59     | -353.69               | 0.62                    | -0.54                  | 1.65                  |
| 6,287.00            | 8.75            | 20.93       | 6,255.00            | 374.88     | 111.25     | -368.77               | 2.24                    | -1.83                  | 7.69                  |
| 6,383.00            | 8.31            | 20.41       | 6,349.94            | 388.20     | 116.28     | -381.82               | 0.47                    | -0.46                  | -0.54                 |
| 6,478.00            | 7.91            | 19.26       | 6,443.99            | 400.81     | 120.83     | -394.18               | 0.45                    | -0.42                  | -1.21                 |
| 6,574.00            | 9.01            | 12.94       | 6,538.95            | 414.37     | 124.70     | -407.53               | 1.50                    | 1.15                   | -6.58                 |
| 6,670.00            | 8.75            | 12.06       | 6,633.80            | 428.84     | 127.90     | -421.82               | 0.31                    | -0.27                  | -0.92                 |
| 6,766.00            | 9.89            | 14.17       | 6,728.53            | 443.97     | 131.45     | -436.76               | 1.24                    | 1.19                   | 2.20                  |
| 6,862.00            | 9.89            | 16.54       | 6,823.10            | 459.87     | 135.81     | -452.41               | 0.42                    | 0.00                   | 2.47                  |
| 6,958.00            | 9.85            | 15.75       | 6,917.68            | 475.67     | 140.39     | -467.97               | 0.15                    | -0.04                  | -0.82                 |
| 7,054.00            | 9.76            | 16.98       | 7,012.28            | 491.36     | 144.99     | -483.40               | 0.24                    | -0.09                  | 1.28                  |
| 7,149.00            | 9.67            | 16.01       | 7,105.92            | 506.73     | 149.55     | -498.52               | 0.20                    | -0.09                  | -1.02                 |
| 7,245.00            | 9.27            | 16.10       | 7,200.61            | 521.91     | 153.91     | -513.46               | 0.42                    | -0.42                  | 0.09                  |
| 7,341.00            | 9.23            | 16.10       | 7,295.36            | 536.74     | 158.19     | -528.05               | 0.04                    | -0.04                  | 0.00                  |
| 7,437.00            | 8.75            | 17.86       | 7,390.18            | 551.08     | 162.57     | -542.16               | 0.58                    | -0.50                  | 1.83                  |
| 7,533.00            | 8.13            | 26.65       | 7,485.14            | 564.10     | 167.85     | -554.89               | 1.49                    | -0.65                  | 9.16                  |
| 7,628.00            | 7.69            | 21.73       | 7,579.24            | 576.01     | 173.22     | -566.51               | 0.85                    | -0.46                  | -5.18                 |
| 7,733.00            | 7.56            | 17.68       | 7,683.31            | 589.12     | 177.92     | -579.36               | 0.53                    | -0.12                  | -3.86                 |
| 7,828.00            | 6.24            | 15.75       | 7,777.62            | 600.04     | 181.22     | -590.11               | 1.41                    | -1.39                  | -2.03                 |
| 7,925.00            | 3.34            | 20.76       | 7,874.27            | 607.76     | 183.65     | -597.69               | 3.02                    | -2.99                  | 5.16                  |
| 8,020.00            | 0.62            | 90.98       | 7,969.21            | 610.34     | 185.15     | -600.19               | 3.35                    | -2.86                  | 73.92                 |
| 8,116.00            | 2.20            | 157.96      | 8,065.19            | 608.62     | 186.36     | -598.42               | 2.12                    | 1.65                   | 69.77                 |
| 8,211.00            | 2.20            | 159.01      | 8,160.12            | 605.23     | 187.69     | -594.96               | 0.04                    | 0.00                   | 1.11                  |
| 8,306.00            | 2.20            | 163.32      | 8,255.05            | 601.78     | 188.87     | -591.46               | 0.17                    | 0.00                   | 4.54                  |
| 8,401.00            | 2.11            | 162.17      | 8,349.98            | 598.37     | 189.93     | -588.00               | 0.11                    | -0.09                  | -1.21                 |
| 8,497.00            | 2.02            | 159.10      | 8,445.92            | 595.10     | 191.07     | -584.68               | 0.15                    | -0.09                  | -3.20                 |
| 8,593.00            | 1.85            | 165.69      | 8,541.86            | 592.02     | 192.06     | -581.55               | 0.29                    | -0.18                  | 6.86                  |
| 8,689.00            | 1.85            | 166.13      | 8,637.81            | 589.02     | 192.82     | -578.51               | 0.01                    | 0.00                   | 0.46                  |
| 8,784.00            | 0.70            | 178.79      | 8,732.79            | 586.95     | 193.20     | -576.42               | 1.24                    | -1.21                  | 13.33                 |
| 8,879.00            | 0.70            | 188.63      | 8,827.78            | 585.79     | 193.12     | -575.28               | 0.13                    | 0.00                   | 10.36                 |
| 8,974.00            | 0.79            | 200.23      | 8,922.77            | 584.60     | 192.81     | -574.11               | 0.18                    | 0.09                   | 12.21                 |
| 9,069.00            | 0.70            | 207.09      | 9,017.76            | 583.47     | 192.32     | -573.00               | 0.13                    | -0.09                  | 7.22                  |
| 9,164.00            | 0.79            | 201.11      | 9,112.76            | 582.35     | 191.82     | -571.90               | 0.13                    | 0.09                   | -6.29                 |
| 9,259.00            | 0.88            | 203.31      | 9,207.75            | 581.06     | 191.29     | -570.65               | 0.10                    | 0.09                   | 2.32                  |
| 9,362.00            | 0.88            | 242.77      | 9,310.74            | 579.98     | 190.28     | -569.61               | 0.58                    | 0.00                   | 38.31                 |
| 9,457.00            | 0.97            | 238.20      | 9,405.72            | 579.22     | 188.94     | -568.92               | 0.12                    | 0.09                   | -4.81                 |
| 9,552.00            | 0.70            | 194.08      | 9,500.71            | 578.23     | 188.12     | -567.98               | 0.71                    | -0.28                  | -46.44                |
| 9,647.00            | 1.14            | 221.41      | 9,595.70            | 576.96     | 187.35     | -566.75               | 0.64                    | 0.46                   | 28.77                 |
| 9,741.00            | 1.58            | 229.76      | 9,689.67            | 575.42     | 185.74     | -565.29               | 0.51                    | 0.47                   | 8.88                  |
| 9,837.00            | 0.97            | 250.68      | 9,785.65            | 574.30     | 183.97     | -564.26               | 0.79                    | -0.64                  | 21.79                 |
| 9,931.00            | 0.88            | 290.32      | 9,879.64            | 574.29     | 182.54     | -564.32               | 0.67                    | -0.10                  | 42.17                 |
| 10,027.00           | 0.88            | 282.41      | 9,975.63            | 574.70     | 181.13     | -564.80               | 0.13                    | 0.00                   | -8.24                 |
| 10,121.00           | 0.79            | 279.60      | 10,069.62           | 574.96     | 179.78     | -565.14               | 0.11                    | -0.10                  | -2.99                 |
| 10,216.00           | 0.88            | 272.56      | 10,164.61           | 575.11     | 178.41     | -565.35               | 0.14                    | 0.09                   | -7.41                 |
| 10,311.00           | 1.06            | 252.35      | 10,259.59           | 574.87     | 176.84     | -565.19               | 0.40                    | 0.19                   | -21.27                |
| 10,407.00           | 1.32            | 224.14      | 10,355.57           | 573.81     | 175.23     | -564.21               | 0.66                    | 0.27                   | -29.39                |
| 10,502.00           | 0.79            | 320.99      | 10,450.56           | 573.53     | 174.05     | -564.00               | 1.70                    | -0.56                  | 101.95                |
| 10,597.00           | 0.62            | 336.90      | 10,545.56           | 574.51     | 173.44     | -565.01               | 0.27                    | -0.18                  | 16.75                 |
| 10,691.00           | 0.26            | 313.43      | 10,639.55           | 575.13     | 173.08     | -565.64               | 0.42                    | -0.38                  | -24.97                |
| 10,786.00           | 0.44            | 27.35       | 10,734.55           | 575.60     | 173.10     | -566.11               | 0.47                    | 0.19                   | 77.81                 |
| 10,881.00           | 0.62            | 33.68       | 10,829.55           | 576.35     | 173.55     | -566.84               | 0.20                    | 0.19                   | 6.66                  |
| 10,976.00           | 0.97            | 41.06       | 10,924.54           | 577.39     | 174.36     | -567.83               | 0.38                    | 0.37                   | 7.77                  |
| 11,070.00           | 1.06            | 28.58       | 11,018.52           | 578.75     | 175.30     | -569.14               | 0.25                    | 0.10                   | -13.28                |
| 11,165.00           | 1.06            | 32.36       | 11,113.51           | 580.26     | 176.19     | -570.61               | 0.07                    | 0.00                   | 3.98                  |
| 11,260.00           | 0.79            | 26.21       | 11,208.50           | 581.59     | 176.95     | -571.90               | 0.30                    | -0.28                  | -6.47                 |

|           |                         |                              |                                       |
|-----------|-------------------------|------------------------------|---------------------------------------|
| Company:  | GMT Exploration         | Local Co-ordinate Reference: | Well Sheba Federal Com 1H             |
| Project:  | Lea County, NM (NAD 83) | TVD Reference:               | WELL @ 3519.00ft (Original Well Elev) |
| Site:     | Sheba Federal Com 1H    | MD Reference:                | WELL @ 3519.00ft (Original Well Elev) |
| Well:     | Sheba Federal Com 1H    | North Reference:             | Grid                                  |
| Wellbore: | Sheba Federal Com 1H    | Survey Calculation Method:   | Minimum Curvature                     |
| Design:   | Sheba Federal Com 1H    | Database:                    | EDM 5000.1 Single User Db             |

| Survey              |                 |             |                     |            |            |                       |                         |                        |                       |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,355.00           | 1.06            | 342.97      | 11,303.48           | 583.02     | 176.98     | -573.32               | 0.76                    | 0.28                   | -45.52                |
| 11,450.00           | 2.02            | 343.76      | 11,398.45           | 585.47     | 176.26     | -575.81               | 1.01                    | 1.01                   | 0.83                  |
| 11,545.00           | 2.37            | 333.65      | 11,493.38           | 588.84     | 174.92     | -579.24               | 0.55                    | 0.37                   | -10.64                |
| 11,640.00           | 2.55            | 328.99      | 11,588.29           | 592.41     | 172.96     | -582.90               | 0.28                    | 0.19                   | -4.91                 |
| 11,757.00           | 2.20            | 323.28      | 11,705.19           | 596.44     | 170.27     | -587.06               | 0.36                    | -0.30                  | -4.88                 |
| 11,852.00           | 0.79            | 240.40      | 11,800.16           | 597.58     | 168.61     | -588.28               | 2.36                    | -1.48                  | -87.24                |
| 11,883.00           | 0.88            | 240.22      | 11,831.16           | 597.35     | 168.22     | -588.08               | 0.29                    | 0.29                   | -0.58                 |
| 11,952.00           | 2.37            | 213.06      | 11,900.13           | 595.89     | 166.98     | -586.69               | 2.37                    | 2.16                   | -39.36                |
| 11,984.00           | 6.42            | 196.36      | 11,932.03           | 593.62     | 166.12     | -584.46               | 13.14                   | 12.66                  | -52.19                |
| 12,016.00           | 9.23            | 182.13      | 11,963.73           | 589.34     | 165.52     | -580.21               | 10.60                   | 8.78                   | -44.47                |
| 12,047.00           | 12.05           | 178.17      | 11,994.20           | 583.62     | 165.53     | -574.50               | 9.39                    | 9.10                   | -12.77                |
| 12,078.00           | 15.83           | 178.26      | 12,024.28           | 576.16     | 165.76     | -567.04               | 12.19                   | 12.19                  | 0.29                  |
| 12,110.00           | 20.49           | 179.31      | 12,054.68           | 566.19     | 165.96     | -557.07               | 14.60                   | 14.56                  | 3.28                  |
| 12,141.00           | 24.89           | 181.60      | 12,083.27           | 554.24     | 165.84     | -545.14               | 14.47                   | 14.19                  | 7.39                  |
| 12,173.00           | 28.49           | 181.69      | 12,111.86           | 539.87     | 165.43     | -530.81               | 11.25                   | 11.25                  | 0.28                  |
| 12,204.00           | 30.86           | 181.07      | 12,138.79           | 524.53     | 165.06     | -515.51               | 7.71                    | 7.65                   | -2.00                 |
| 12,236.00           | 33.15           | 180.63      | 12,165.92           | 507.57     | 164.81     | -498.59               | 7.19                    | 7.16                   | -1.38                 |
| 12,267.00           | 36.84           | 179.58      | 12,191.32           | 489.80     | 164.79     | -480.84               | 12.06                   | 11.90                  | -3.39                 |
| 12,299.00           | 40.63           | 179.31      | 12,216.27           | 469.78     | 164.98     | -460.83               | 11.86                   | 11.84                  | -0.84                 |
| 12,330.00           | 43.26           | 179.58      | 12,239.33           | 449.06     | 165.18     | -440.13               | 8.50                    | 8.48                   | 0.87                  |
| 12,362.00           | 45.99           | 179.40      | 12,262.10           | 426.59     | 165.38     | -417.68               | 8.54                    | 8.53                   | -0.56                 |
| 12,393.00           | 48.80           | 178.70      | 12,283.08           | 403.77     | 165.77     | -394.87               | 9.22                    | 9.06                   | -2.26                 |
| 12,425.00           | 51.79           | 178.87      | 12,303.52           | 379.16     | 166.29     | -370.27               | 9.35                    | 9.34                   | 0.53                  |
| 12,456.00           | 53.90           | 179.05      | 12,322.25           | 354.46     | 166.74     | -345.58               | 6.82                    | 6.81                   | 0.58                  |
| 12,488.00           | 56.37           | 179.05      | 12,340.54           | 328.21     | 167.17     | -319.34               | 7.72                    | 7.72                   | 0.00                  |
| 12,519.00           | 59.27           | 179.14      | 12,357.05           | 301.98     | 167.58     | -293.12               | 9.36                    | 9.35                   | 0.29                  |
| 12,551.00           | 62.43           | 178.79      | 12,372.63           | 274.04     | 168.09     | -265.19               | 9.92                    | 9.88                   | -1.09                 |
| 12,582.00           | 65.07           | 179.40      | 12,386.34           | 246.24     | 168.53     | -237.41               | 8.70                    | 8.52                   | 1.97                  |
| 12,614.00           | 67.01           | 180.10      | 12,399.34           | 217.00     | 168.65     | -208.20               | 6.38                    | 6.06                   | 2.19                  |
| 12,645.00           | 69.82           | 179.84      | 12,410.74           | 188.18     | 168.67     | -179.41               | 9.10                    | 9.06                   | -0.84                 |
| 12,677.00           | 72.46           | 179.66      | 12,421.08           | 157.90     | 168.80     | -149.16               | 8.27                    | 8.25                   | -0.56                 |
| 12,709.00           | 75.10           | 179.49      | 12,430.02           | 127.18     | 169.03     | -118.47               | 8.27                    | 8.25                   | -0.53                 |
| 12,740.00           | 78.61           | 179.40      | 12,437.07           | 97.00      | 169.32     | -88.31                | 11.33                   | 11.32                  | -0.29                 |
| 12,772.00           | 81.43           | 179.49      | 12,442.61           | 65.49      | 169.63     | -56.82                | 8.82                    | 8.81                   | 0.28                  |
| 12,803.00           | 83.19           | 179.49      | 12,446.76           | 34.77      | 169.90     | -26.13                | 5.68                    | 5.68                   | 0.00                  |
| 12,835.00           | 85.21           | 179.75      | 12,450.00           | 2.93       | 170.11     | 5.67                  | 6.36                    | 6.31                   | 0.81                  |
| 12,867.00           | 87.23           | 180.02      | 12,452.11           | -29.00     | 170.18     | 37.57                 | 6.37                    | 6.31                   | 0.84                  |
| 12,913.00           | 87.41           | 179.93      | 12,454.26           | -74.95     | 170.20     | 83.46                 | 0.44                    | 0.39                   | -0.20                 |
| 13,008.00           | 88.64           | 178.43      | 12,457.53           | -169.87    | 171.56     | 178.33                | 2.04                    | 1.29                   | -1.58                 |
| 13,103.00           | 89.34           | 178.61      | 12,459.20           | -264.83    | 174.01     | 273.29                | 0.76                    | 0.74                   | 0.19                  |
| 13,199.00           | 89.87           | 177.29      | 12,459.87           | -360.76    | 177.44     | 369.27                | 1.48                    | 0.55                   | -1.38                 |
| 13,293.00           | 88.72           | 177.64      | 12,461.02           | -454.66    | 181.60     | 463.26                | 1.28                    | -1.22                  | 0.37                  |
| 13,388.00           | 89.87           | 178.35      | 12,462.19           | -549.59    | 184.92     | 558.24                | 1.42                    | 1.21                   | 0.75                  |
| 13,482.00           | 89.25           | 181.25      | 12,462.91           | -643.58    | 185.25     | 652.12                | 3.15                    | -0.66                  | 3.09                  |
| 13,577.00           | 89.25           | 179.66      | 12,464.16           | -738.56    | 184.50     | 746.95                | 1.67                    | 0.00                   | -1.67                 |
| 13,672.00           | 88.46           | 177.56      | 12,466.06           | -833.51    | 186.80     | 841.89                | 2.36                    | -0.83                  | -2.21                 |
| 13,767.00           | 90.04           | 179.14      | 12,467.30           | -928.46    | 189.54     | 936.86                | 2.35                    | 1.66                   | 1.66                  |
| 13,862.00           | 90.84           | 180.28      | 12,466.57           | -1,023.45  | 190.02     | 1,031.75              | 1.47                    | 0.84                   | 1.20                  |
| 13,957.00           | 90.75           | 178.61      | 12,465.25           | -1,118.44  | 190.94     | 1,126.66              | 1.76                    | -0.09                  | -1.76                 |
| 14,052.00           | 88.72           | 178.79      | 12,465.69           | -1,213.40  | 193.09     | 1,221.62              | 2.15                    | -2.14                  | 0.19                  |
| 14,147.00           | 90.22           | 181.77      | 12,466.57           | -1,308.39  | 192.63     | 1,316.45              | 3.51                    | 1.58                   | 3.14                  |
| 14,242.00           | 87.05           | 180.46      | 12,468.83           | -1,403.33  | 190.78     | 1,411.18              | 3.61                    | -3.34                  | -1.38                 |
| 14,337.00           | 88.37           | 180.98      | 12,472.63           | -1,498.24  | 189.59     | 1,505.91              | 1.49                    | 1.39                   | 0.55                  |
| 14,432.00           | 90.84           | 180.81      | 12,473.28           | -1,593.22  | 188.10     | 1,600.69              | 2.61                    | 2.60                   | -0.18                 |

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | GMT Exploration         | <b>Local Co-ordinate Reference:</b> | Well Sheba Federal Com 1H             |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | WELL @ 3519.00ft (Original Well Elev) |
| <b>Site:</b>     | Sheba Federal Com 1H    | <b>MD Reference:</b>                | WELL @ 3519.00ft (Original Well Elev) |
| <b>Well:</b>     | Sheba Federal Com 1H    | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | Sheba Federal Com 1H    | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | Sheba Federal Com 1H    | <b>Database:</b>                    | EDM 5000.1 Single User Db             |

### Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| 14,527.00           | 90.92           | 179.49      | 12,471.82           | -1,688.21  | 187.85     | 1,695.55              | 1.39                    | 0.08                   | -1.39                 |
| 14,622.00           | 89.78           | 177.91      | 12,471.24           | -1,783.18  | 190.01     | 1,790.50              | 2.05                    | -1.20                  | -1.66                 |
| 14,716.00           | 89.52           | 179.93      | 12,471.82           | -1,877.15  | 191.78     | 1,884.45              | 2.17                    | -0.28                  | 2.15                  |
| 14,810.00           | 90.57           | 181.60      | 12,471.74           | -1,971.14  | 190.53     | 1,978.25              | 2.10                    | 1.12                   | 1.78                  |
| 14,905.00           | 89.08           | 180.54      | 12,472.04           | -2,066.12  | 188.75     | 2,073.02              | 1.92                    | -1.57                  | -1.12                 |
| 15,022.00           | 86.61           | 178.52      | 12,476.43           | -2,183.02  | 189.71     | 2,189.82              | 2.73                    | -2.11                  | -1.73                 |
| 15,117.00           | 86.09           | 177.64      | 12,482.48           | -2,277.77  | 192.89     | 2,284.61              | 1.07                    | -0.55                  | -0.93                 |
| 15,211.00           | 87.67           | 178.87      | 12,487.60           | -2,371.58  | 195.74     | 2,378.45              | 2.13                    | 1.68                   | 1.31                  |
| 15,305.00           | 90.04           | 178.26      | 12,489.48           | -2,465.53  | 198.10     | 2,472.39              | 2.60                    | 2.52                   | -0.65                 |
| 15,401.00           | 89.52           | 178.61      | 12,489.85           | -2,561.49  | 200.72     | 2,568.36              | 0.65                    | -0.54                  | 0.36                  |
| 15,496.00           | 88.81           | 179.05      | 12,491.23           | -2,656.46  | 202.66     | 2,663.31              | 0.88                    | -0.75                  | 0.46                  |
| 15,589.00           | 91.28           | 179.58      | 12,491.16           | -2,749.44  | 203.77     | 2,756.23              | 2.72                    | 2.66                   | 0.57                  |
| 15,684.00           | 92.42           | 179.93      | 12,488.09           | -2,844.39  | 204.18     | 2,851.08              | 1.26                    | 1.20                   | 0.37                  |
| 15,779.00           | 91.60           | 178.70      | 12,484.76           | -2,939.32  | 205.31     | 2,945.95              | 1.56                    | -0.86                  | -1.29                 |
| 15,873.00           | 90.13           | 177.12      | 12,483.34           | -3,033.25  | 208.74     | 3,039.92              | 2.30                    | -1.56                  | -1.68                 |
| 15,968.00           | 93.12           | 178.43      | 12,480.65           | -3,128.12  | 212.43     | 3,134.86              | 3.44                    | 3.15                   | 1.38                  |
| 16,062.00           | 89.52           | 176.50      | 12,478.48           | -3,221.99  | 216.58     | 3,228.82              | 4.35                    | -3.83                  | -2.05                 |
| 16,157.00           | 91.19           | 173.51      | 12,477.89           | -3,316.61  | 224.85     | 3,323.74              | 3.60                    | 1.76                   | -3.15                 |
| 16,230.00           | 89.08           | 173.07      | 12,477.72           | -3,389.10  | 233.38     | 3,396.57              | 2.95                    | -2.89                  | -0.60                 |
| 16,252.00           | 90.48           | 173.34      | 12,477.80           | -3,410.95  | 235.98     | 3,418.52              | 6.48                    | 6.36                   | 1.23                  |
| 16,268.00           | 91.54           | 174.48      | 12,477.52           | -3,426.86  | 237.68     | 3,434.49              | 9.73                    | 6.63                   | 7.13                  |
| 16,277.00           | 91.71           | 174.65      | 12,477.27           | -3,435.81  | 238.53     | 3,443.48              | 2.67                    | 1.89                   | 1.89                  |
| 16,339.00           | 89.52           | 184.76      | 12,476.60           | -3,497.72  | 238.85     | 3,505.33              | 16.68                   | -3.53                  | 16.31                 |
| 16,433.00           | 89.34           | 182.92      | 12,477.53           | -3,591.50  | 232.56     | 3,598.67              | 1.97                    | -0.19                  | -1.96                 |
| 16,528.00           | 89.08           | 184.76      | 12,478.84           | -3,686.28  | 226.20     | 3,693.00              | 1.96                    | -0.27                  | 1.94                  |
| 16,622.00           | 91.10           | 185.29      | 12,478.70           | -3,779.91  | 217.96     | 3,786.10              | 2.22                    | 2.15                   | 0.56                  |
| 16,717.00           | 88.46           | 183.09      | 12,479.06           | -3,874.64  | 211.02     | 3,880.36              | 3.62                    | -2.78                  | -2.32                 |
| 16,811.00           | 91.19           | 184.67      | 12,479.35           | -3,968.41  | 204.66     | 3,973.69              | 3.36                    | 2.90                   | 1.68                  |
| 16,906.00           | 91.10           | 186.08      | 12,477.45           | -4,062.98  | 195.77     | 4,067.68              | 1.49                    | -0.09                  | 1.48                  |
| 17,000.00           | 88.81           | 184.06      | 12,477.52           | -4,156.60  | 187.46     | 4,160.76              | 3.25                    | -2.44                  | -2.15                 |
| 17,094.00           | 87.05           | 181.07      | 12,480.92           | -4,250.43  | 183.25     | 4,254.25              | 3.69                    | -1.87                  | -3.18                 |
| <b>Last Svy</b>     |                 |             |                     |            |            |                       |                         |                        |                       |
| 17,178.00           | 85.21           | 178.70      | 12,486.59           | -4,334.22  | 183.42     | 4,337.95              | 3.57                    | -2.19                  | -2.82                 |
| <b>Proj Svy</b>     |                 |             |                     |            |            |                       |                         |                        |                       |
| 17,222.00           | 85.21           | 178.70      | 12,490.26           | -4,378.06  | 184.42     | 4,381.78              | 0.00                    | 0.00                   | 0.00                  |

### Design Targets

| Target Name                                                                                             | Dip Angle (°) | Dip Dir. (°) | TVD (ft)  | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude         | Longitude        |
|---------------------------------------------------------------------------------------------------------|---------------|--------------|-----------|------------|------------|-----------------|----------------|------------------|------------------|
| Sheba Federal Com 1H                                                                                    | 0.00          | 0.00         | 12,458.00 | 28.24      | 175.94     | 440,765.34      | 814,407.34     | 32° 12' 31.169 N | 103° 27' 1.580 W |
| - hit/miss target                                                                                       |               |              |           |            |            |                 |                |                  |                  |
| - Shape                                                                                                 |               |              |           |            |            |                 |                |                  |                  |
| - actual wellpath misses target center by 12.01ft at 12810.67ft MD (12447.64 TVD, 27.15 N, 169.97 E)    |               |              |           |            |            |                 |                |                  |                  |
| - Point                                                                                                 |               |              |           |            |            |                 |                |                  |                  |
| PBHL Sheba Federal Cc                                                                                   | 0.00          | 0.00         | 12,488.00 | -4,376.54  | 221.63     | 436,360.57      | 814,453.03     | 32° 11' 47.580 N | 103° 27' 1.469 W |
| - actual wellpath misses target center by 37.30ft at 17221.14ft MD (12490.19 TVD, -4377.20 N, 184.40 E) |               |              |           |            |            |                 |                |                  |                  |
| - Point                                                                                                 |               |              |           |            |            |                 |                |                  |                  |

|                  |                         |                                     |                                       |
|------------------|-------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | GMT Exploration         | <b>Local Co-ordinate Reference:</b> | Well Sheba Federal Com 1H             |
| <b>Project:</b>  | Lea County, NM (NAD 83) | <b>TVD Reference:</b>               | WELL @ 3519.00ft (Original Well Elev) |
| <b>Site:</b>     | Sheba Federal Com 1H    | <b>MD Reference:</b>                | WELL @ 3519.00ft (Original Well Elev) |
| <b>Well:</b>     | Sheba Federal Com 1H    | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | Sheba Federal Com 1H    | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | Sheba Federal Com 1H    | <b>Database:</b>                    | EDM 5000.1 Single User Db             |

| Design Annotations        |                           |                   |               |                     |
|---------------------------|---------------------------|-------------------|---------------|---------------------|
| Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Local Coordinates |               | Comment             |
|                           |                           | +N/-S<br>(ft)     | +E/-W<br>(ft) |                     |
| 1,054.00                  | 1,053.99                  | -0.64             | 2.75          | Tie on to Teledrift |
| 1,054.00                  | 1,053.99                  | -0.64             | 2.75          | tie on to teledrift |
| 17,178.00                 | 12,486.59                 | -4,334.22         | 183.42        | Last Svy            |
| 17,222.00                 | 12,490.26                 | -4,378.06         | 184.42        | Proj Svy            |

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