

# **WCDSC Permian NM**

**Lea County (NAD83 New Mexico East)**

**Sec 06-T26S-R34E**

**Jayhawk 6-7 FED 12H**

**Wellbore #1**

**Plan: Permit Plan 1**

## **Standard Planning Report - Geographic**

**24 July, 2018**

# Planning Report - Geographic

|                  |                                    |                                     |                                      |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM r5000.141_Prod US              | <b>Local Co-ordinate Reference:</b> | Well Jayhawk 6-7 FED 12H             |
| <b>Company:</b>  | WCDSC Permian NM                   | <b>TVD Reference:</b>               | RKB @ 3338.10ft (Original Well Elev) |
| <b>Project:</b>  | Lea County (NAD83 New Mexico East) | <b>MD Reference:</b>                | RKB @ 3338.10ft (Original Well Elev) |
| <b>Site:</b>     | Sec 06-T26S-R34E                   | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Jayhawk 6-7 FED 12H                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Wellbore #1                        |                                     |                                      |
| <b>Design:</b>   | Permit Plan 1                      |                                     |                                      |

|                    |                                    |                      |                |
|--------------------|------------------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County (NAD83 New Mexico East) |                      |                |
| <b>Map System:</b> | US State Plane 1983                | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983          |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone            |                      |                |

|                       |         |                  |                 |                   |             |
|-----------------------|---------|------------------|-----------------|-------------------|-------------|
| Site                  |         | Sec 06-T26S-R34E |                 |                   |             |
| Site Position:        |         | Northing:        | 393,700.60 usft | Latitude:         | 32.079736   |
| From:                 | Map     | Easting:         | 794,011.60 usft | Longitude:        | -103.517530 |
| Position Uncertainty: | 5.00 ft | Slot Radius:     | 13-3/16 "       | Grid Convergence: | 0.43 °      |

|                      |                     |         |                     |                 |               |             |
|----------------------|---------------------|---------|---------------------|-----------------|---------------|-------------|
| Well                 | Jayhawk 6-7 FED 12H |         |                     |                 |               |             |
| Well Position        | +N/-S               | 0.00 ft | Northing:           | 393,256.30 usft | Latitude:     | 32.078496   |
|                      | +E/-W               | 0.00 ft | Easting:            | 794,944.09 usft | Longitude:    | -103.514530 |
| Position Uncertainty |                     | 0.50 ft | Wellhead Elevation: |                 | Ground Level: | 3,315.10 ft |

|                  |                   |                    |                            |                          |                                |
|------------------|-------------------|--------------------|----------------------------|--------------------------|--------------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                            |                          |                                |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination<br/>(°)</b> | <b>Dip Angle<br/>(°)</b> | <b>Field Strength<br/>(nT)</b> |
|                  | IGRF2015          | 7/23/2018          | 6.80                       | 59.92                    | 47,745.59581220                |

|                          |                                  |                       |                       |                          |
|--------------------------|----------------------------------|-----------------------|-----------------------|--------------------------|
| <b>Design</b>            | Permit Plan 1                    |                       |                       |                          |
| <b>Audit Notes:</b>      |                                  |                       |                       |                          |
| <b>Version:</b>          | <b>Phase:</b>                    | PROTOTYPE             | <b>Tie On Depth:</b>  | 0.00                     |
| <b>Vertical Section:</b> | <b>Depth From (TVD)<br/>(ft)</b> | <b>+N/-S<br/>(ft)</b> | <b>+E/-W<br/>(ft)</b> | <b>Direction<br/>(°)</b> |
|                          | 0.00                             | 0.00                  | 0.00                  | 178.60                   |

|                                 |                          |                                       |                             |                |
|---------------------------------|--------------------------|---------------------------------------|-----------------------------|----------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>              | 7/24/2018                             |                             |                |
| <b>Depth From<br/>(ft)</b>      | <b>Depth To<br/>(ft)</b> | <b>Survey (Wellbore)</b>              | <b>Tool Name</b>            | <b>Remarks</b> |
| 1                               | 0.00                     | 17,672.44 Permit Plan 1 (Wellbore #1) | MWD+HDGM<br>OWSG MWD + HDGM |                |

|                                    |                            |                        |                                    |                       |                       |                                        |                                       |                                      |                    |                    |
|------------------------------------|----------------------------|------------------------|------------------------------------|-----------------------|-----------------------|----------------------------------------|---------------------------------------|--------------------------------------|--------------------|--------------------|
| <b>Plan Sections</b>               |                            |                        |                                    |                       |                       |                                        |                                       |                                      |                    |                    |
| <b>Measured<br/>Depth<br/>(ft)</b> | <b>Inclination<br/>(°)</b> | <b>Azimuth<br/>(°)</b> | <b>Vertical<br/>Depth<br/>(ft)</b> | <b>+N/-S<br/>(ft)</b> | <b>+E/-W<br/>(ft)</b> | <b>Dogleg<br/>Rate<br/>(°/100usft)</b> | <b>Build<br/>Rate<br/>(°/100usft)</b> | <b>Turn<br/>Rate<br/>(°/100usft)</b> | <b>TFO<br/>(°)</b> | <b>Target</b>      |
| 0.00                               | 0.00                       | 0.00                   | 0.00                               | 0.00                  | 0.00                  | 0.00                                   | 0.00                                  | 0.00                                 | 0.00               |                    |
| 2,700.00                           | 0.00                       | 0.00                   | 2,700.00                           | 0.00                  | 0.00                  | 0.00                                   | 0.00                                  | 0.00                                 | 0.00               |                    |
| 2,961.50                           | 2.61                       | 10.90                  | 2,961.41                           | 5.86                  | 1.13                  | 1.00                                   | 1.00                                  | 0.00                                 | 10.90              |                    |
| 11,691.91                          | 2.61                       | 10.90                  | 11,682.73                          | 396.98                | 76.47                 | 0.00                                   | 0.00                                  | 0.00                                 | 0.00               |                    |
| 11,866.24                          | 0.00                       | 0.00                   | 11,857.00                          | 400.89                | 77.23                 | 1.50                                   | -1.50                                 | 0.00                                 | 180.00             | VP - Jayhawk 12H   |
| 12,216.28                          | 0.00                       | 0.00                   | 12,207.04                          | 400.89                | 77.23                 | 0.00                                   | 0.00                                  | 0.00                                 | 0.00               |                    |
| 13,116.28                          | 90.00                      | 179.57                 | 12,780.00                          | -172.05               | 81.52                 | 10.00                                  | 10.00                                 | 0.00                                 | 179.57             | PBHL - Jayhawk 6-7 |
| 17,672.44                          | 90.00                      | 179.57                 | 12,780.00                          | -4,728.08             | 115.66                | 0.00                                   | 0.00                                  | 0.00                                 | 0.00               | PBHL - Jayhawk 6-7 |

# Planning Report - Geographic

|                  |                                    |                                     |                                      |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM r5000.141_Prod US              | <b>Local Co-ordinate Reference:</b> | Well Jayhawk 6-7 FED 12H             |
| <b>Company:</b>  | WCDSC Permian NM                   | <b>TVD Reference:</b>               | RKB @ 3338.10ft (Original Well Elev) |
| <b>Project:</b>  | Lea County (NAD83 New Mexico East) | <b>MD Reference:</b>                | RKB @ 3338.10ft (Original Well Elev) |
| <b>Site:</b>     | Sec 06-T26S-R34E                   | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Jayhawk 6-7 FED 12H                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Wellbore #1                        |                                     |                                      |
| <b>Design:</b>   | Permit Plan 1                      |                                     |                                      |

| Planned Survey      |                 |             |                     |            |            |                     |                    |           |             |
|---------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
| 0.00                | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 100.00              | 0.00            | 0.00        | 100.00              | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 200.00              | 0.00            | 0.00        | 200.00              | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 300.00              | 0.00            | 0.00        | 300.00              | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 400.00              | 0.00            | 0.00        | 400.00              | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 500.00              | 0.00            | 0.00        | 500.00              | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 600.00              | 0.00            | 0.00        | 600.00              | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 700.00              | 0.00            | 0.00        | 700.00              | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 800.00              | 0.00            | 0.00        | 800.00              | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 900.00              | 0.00            | 0.00        | 900.00              | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 1,000.00            | 0.00            | 0.00        | 1,000.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 1,100.00            | 0.00            | 0.00        | 1,100.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 1,200.00            | 0.00            | 0.00        | 1,200.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 1,300.00            | 0.00            | 0.00        | 1,300.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 1,400.00            | 0.00            | 0.00        | 1,400.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 1,500.00            | 0.00            | 0.00        | 1,500.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 1,600.00            | 0.00            | 0.00        | 1,600.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 1,700.00            | 0.00            | 0.00        | 1,700.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 1,800.00            | 0.00            | 0.00        | 1,800.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 1,900.00            | 0.00            | 0.00        | 1,900.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 2,000.00            | 0.00            | 0.00        | 2,000.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 2,100.00            | 0.00            | 0.00        | 2,100.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 2,200.00            | 0.00            | 0.00        | 2,200.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 2,300.00            | 0.00            | 0.00        | 2,300.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 2,400.00            | 0.00            | 0.00        | 2,400.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 2,500.00            | 0.00            | 0.00        | 2,500.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 2,600.00            | 0.00            | 0.00        | 2,600.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 2,700.00            | 0.00            | 0.00        | 2,700.00            | 0.00       | 0.00       | 393,256.30          | 794,944.09         | 32.078496 | -103.514530 |
| 2,800.00            | 1.00            | 10.90       | 2,799.99            | 0.86       | 0.17       | 393,257.16          | 794,944.25         | 32.078498 | -103.514530 |
| 2,900.00            | 2.00            | 10.90       | 2,899.96            | 3.43       | 0.66       | 393,259.73          | 794,944.75         | 32.078505 | -103.514528 |
| 2,961.50            | 2.61            | 10.90       | 2,961.41            | 5.86       | 1.13       | 393,262.16          | 794,945.22         | 32.078512 | -103.514526 |
| 3,000.00            | 2.61            | 10.90       | 2,999.87            | 7.58       | 1.46       | 393,263.88          | 794,945.55         | 32.078516 | -103.514525 |
| 3,100.00            | 2.61            | 10.90       | 3,099.77            | 12.06      | 2.32       | 393,268.36          | 794,946.41         | 32.078529 | -103.514522 |
| 3,200.00            | 2.61            | 10.90       | 3,199.66            | 16.54      | 3.19       | 393,272.84          | 794,947.27         | 32.078541 | -103.514520 |
| 3,300.00            | 2.61            | 10.90       | 3,299.56            | 21.02      | 4.05       | 393,277.32          | 794,948.14         | 32.078553 | -103.514517 |
| 3,400.00            | 2.61            | 10.90       | 3,399.45            | 25.50      | 4.91       | 393,281.80          | 794,949.00         | 32.078566 | -103.514514 |
| 3,500.00            | 2.61            | 10.90       | 3,499.35            | 29.98      | 5.78       | 393,286.28          | 794,949.86         | 32.078578 | -103.514511 |
| 3,600.00            | 2.61            | 10.90       | 3,599.24            | 34.46      | 6.64       | 393,290.76          | 794,950.73         | 32.078590 | -103.514508 |
| 3,700.00            | 2.61            | 10.90       | 3,699.14            | 38.94      | 7.50       | 393,295.24          | 794,951.59         | 32.078603 | -103.514505 |
| 3,800.00            | 2.61            | 10.90       | 3,799.04            | 43.42      | 8.37       | 393,299.72          | 794,952.45         | 32.078615 | -103.514502 |
| 3,900.00            | 2.61            | 10.90       | 3,898.93            | 47.90      | 9.23       | 393,304.20          | 794,953.32         | 32.078627 | -103.514499 |
| 4,000.00            | 2.61            | 10.90       | 3,998.83            | 52.38      | 10.09      | 393,308.68          | 794,954.18         | 32.078639 | -103.514496 |
| 4,100.00            | 2.61            | 10.90       | 4,098.72            | 56.86      | 10.95      | 393,313.16          | 794,955.04         | 32.078652 | -103.514493 |
| 4,200.00            | 2.61            | 10.90       | 4,198.62            | 61.34      | 11.82      | 393,317.64          | 794,955.91         | 32.078664 | -103.514491 |
| 4,300.00            | 2.61            | 10.90       | 4,298.52            | 65.82      | 12.68      | 393,322.12          | 794,956.77         | 32.078676 | -103.514488 |
| 4,400.00            | 2.61            | 10.90       | 4,398.41            | 70.30      | 13.54      | 393,326.60          | 794,957.63         | 32.078689 | -103.514485 |
| 4,500.00            | 2.61            | 10.90       | 4,498.31            | 74.78      | 14.41      | 393,331.08          | 794,958.49         | 32.078701 | -103.514482 |
| 4,600.00            | 2.61            | 10.90       | 4,598.20            | 79.26      | 15.27      | 393,335.56          | 794,959.36         | 32.078713 | -103.514479 |
| 4,700.00            | 2.61            | 10.90       | 4,698.10            | 83.74      | 16.13      | 393,340.04          | 794,960.22         | 32.078725 | -103.514476 |
| 4,800.00            | 2.61            | 10.90       | 4,797.99            | 88.22      | 17.00      | 393,344.52          | 794,961.08         | 32.078738 | -103.514473 |
| 4,900.00            | 2.61            | 10.90       | 4,897.89            | 92.70      | 17.86      | 393,349.00          | 794,961.95         | 32.078750 | -103.514470 |
| 5,000.00            | 2.61            | 10.90       | 4,997.79            | 97.18      | 18.72      | 393,353.48          | 794,962.81         | 32.078762 | -103.514467 |
| 5,100.00            | 2.61            | 10.90       | 5,097.68            | 101.66     | 19.58      | 393,357.96          | 794,963.67         | 32.078775 | -103.514464 |
| 5,200.00            | 2.61            | 10.90       | 5,197.58            | 106.14     | 20.45      | 393,362.44          | 794,964.54         | 32.078787 | -103.514462 |
| 5,300.00            | 2.61            | 10.90       | 5,297.47            | 110.62     | 21.31      | 393,366.92          | 794,965.40         | 32.078799 | -103.514459 |

# Planning Report - Geographic

|                  |                                    |                                     |                                      |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
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| <b>Company:</b>  | WCDSC Permian NM                   | <b>TVD Reference:</b>               | RKB @ 3338.10ft (Original Well Elev) |
| <b>Project:</b>  | Lea County (NAD83 New Mexico East) | <b>MD Reference:</b>                | RKB @ 3338.10ft (Original Well Elev) |
| <b>Site:</b>     | Sec 06-T26S-R34E                   | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Jayhawk 6-7 FED 12H                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Wellbore #1                        |                                     |                                      |
| <b>Design:</b>   | Permit Plan 1                      |                                     |                                      |

| Planned Survey      |                 |             |                     |            |            |                     |                    |           |             |
|---------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
| 5,400.00            | 2.61            | 10.90       | 5,397.37            | 115.10     | 22.17      | 393,371.40          | 794,966.26         | 32.078812 | -103.514456 |
| 5,500.00            | 2.61            | 10.90       | 5,497.27            | 119.58     | 23.04      | 393,375.88          | 794,967.12         | 32.078824 | -103.514453 |
| 5,600.00            | 2.61            | 10.90       | 5,597.16            | 124.06     | 23.90      | 393,380.36          | 794,967.99         | 32.078836 | -103.514450 |
| 5,700.00            | 2.61            | 10.90       | 5,697.06            | 128.54     | 24.76      | 393,384.84          | 794,968.85         | 32.078848 | -103.514447 |
| 5,800.00            | 2.61            | 10.90       | 5,796.95            | 133.02     | 25.63      | 393,389.32          | 794,969.71         | 32.078861 | -103.514444 |
| 5,900.00            | 2.61            | 10.90       | 5,896.85            | 137.50     | 26.49      | 393,393.80          | 794,970.58         | 32.078873 | -103.514441 |
| 6,000.00            | 2.61            | 10.90       | 5,996.75            | 141.98     | 27.35      | 393,398.28          | 794,971.44         | 32.078885 | -103.514438 |
| 6,100.00            | 2.61            | 10.90       | 6,096.64            | 146.46     | 28.21      | 393,402.76          | 794,972.30         | 32.078898 | -103.514436 |
| 6,200.00            | 2.61            | 10.90       | 6,196.54            | 150.94     | 29.08      | 393,407.24          | 794,973.17         | 32.078910 | -103.514433 |
| 6,300.00            | 2.61            | 10.90       | 6,296.43            | 155.42     | 29.94      | 393,411.72          | 794,974.03         | 32.078922 | -103.514430 |
| 6,400.00            | 2.61            | 10.90       | 6,396.33            | 159.90     | 30.80      | 393,416.20          | 794,974.89         | 32.078934 | -103.514427 |
| 6,500.00            | 2.61            | 10.90       | 6,496.22            | 164.38     | 31.67      | 393,420.68          | 794,975.75         | 32.078947 | -103.514424 |
| 6,600.00            | 2.61            | 10.90       | 6,596.12            | 168.86     | 32.53      | 393,425.16          | 794,976.62         | 32.078959 | -103.514421 |
| 6,700.00            | 2.61            | 10.90       | 6,696.02            | 173.35     | 33.39      | 393,429.64          | 794,977.48         | 32.078971 | -103.514418 |
| 6,800.00            | 2.61            | 10.90       | 6,795.91            | 177.83     | 34.26      | 393,434.12          | 794,978.34         | 32.078984 | -103.514415 |
| 6,900.00            | 2.61            | 10.90       | 6,895.81            | 182.31     | 35.12      | 393,438.60          | 794,979.21         | 32.078996 | -103.514412 |
| 7,000.00            | 2.61            | 10.90       | 6,995.70            | 186.79     | 35.98      | 393,443.08          | 794,980.07         | 32.079008 | -103.514409 |
| 7,100.00            | 2.61            | 10.90       | 7,095.60            | 191.27     | 36.85      | 393,447.56          | 794,980.93         | 32.079021 | -103.514407 |
| 7,200.00            | 2.61            | 10.90       | 7,195.50            | 195.75     | 37.71      | 393,452.04          | 794,981.80         | 32.079033 | -103.514404 |
| 7,300.00            | 2.61            | 10.90       | 7,295.39            | 200.23     | 38.57      | 393,456.52          | 794,982.66         | 32.079045 | -103.514401 |
| 7,400.00            | 2.61            | 10.90       | 7,395.29            | 204.71     | 39.43      | 393,461.00          | 794,983.52         | 32.079057 | -103.514398 |
| 7,500.00            | 2.61            | 10.90       | 7,495.18            | 209.19     | 40.30      | 393,465.48          | 794,984.39         | 32.079070 | -103.514395 |
| 7,600.00            | 2.61            | 10.90       | 7,595.08            | 213.67     | 41.16      | 393,469.96          | 794,985.25         | 32.079082 | -103.514392 |
| 7,700.00            | 2.61            | 10.90       | 7,694.98            | 218.15     | 42.02      | 393,474.44          | 794,986.11         | 32.079094 | -103.514389 |
| 7,800.00            | 2.61            | 10.90       | 7,794.87            | 222.63     | 42.89      | 393,478.92          | 794,986.97         | 32.079107 | -103.514386 |
| 7,900.00            | 2.61            | 10.90       | 7,894.77            | 227.11     | 43.75      | 393,483.40          | 794,987.84         | 32.079119 | -103.514383 |
| 8,000.00            | 2.61            | 10.90       | 7,994.66            | 231.59     | 44.61      | 393,487.88          | 794,988.70         | 32.079131 | -103.514381 |
| 8,100.00            | 2.61            | 10.90       | 8,094.56            | 236.07     | 45.48      | 393,492.36          | 794,989.56         | 32.079144 | -103.514378 |
| 8,200.00            | 2.61            | 10.90       | 8,194.45            | 240.55     | 46.34      | 393,496.84          | 794,990.43         | 32.079156 | -103.514375 |
| 8,300.00            | 2.61            | 10.90       | 8,294.35            | 245.03     | 47.20      | 393,501.32          | 794,991.29         | 32.079168 | -103.514372 |
| 8,400.00            | 2.61            | 10.90       | 8,394.25            | 249.51     | 48.06      | 393,505.80          | 794,992.15         | 32.079180 | -103.514369 |
| 8,500.00            | 2.61            | 10.90       | 8,494.14            | 253.99     | 48.93      | 393,510.28          | 794,993.02         | 32.079193 | -103.514366 |
| 8,600.00            | 2.61            | 10.90       | 8,594.04            | 258.47     | 49.79      | 393,514.76          | 794,993.88         | 32.079205 | -103.514363 |
| 8,700.00            | 2.61            | 10.90       | 8,693.93            | 262.95     | 50.65      | 393,519.24          | 794,994.74         | 32.079217 | -103.514360 |
| 8,800.00            | 2.61            | 10.90       | 8,793.83            | 267.43     | 51.52      | 393,523.72          | 794,995.60         | 32.079230 | -103.514357 |
| 8,900.00            | 2.61            | 10.90       | 8,893.73            | 271.91     | 52.38      | 393,528.20          | 794,996.47         | 32.079242 | -103.514354 |
| 9,000.00            | 2.61            | 10.90       | 8,993.62            | 276.39     | 53.24      | 393,532.68          | 794,997.33         | 32.079254 | -103.514352 |
| 9,100.00            | 2.61            | 10.90       | 9,093.52            | 280.87     | 54.11      | 393,537.16          | 794,998.19         | 32.079266 | -103.514349 |
| 9,200.00            | 2.61            | 10.90       | 9,193.41            | 285.35     | 54.97      | 393,541.64          | 794,999.06         | 32.079279 | -103.514346 |
| 9,300.00            | 2.61            | 10.90       | 9,293.31            | 289.83     | 55.83      | 393,546.12          | 794,999.92         | 32.079291 | -103.514343 |
| 9,400.00            | 2.61            | 10.90       | 9,393.20            | 294.31     | 56.70      | 393,550.60          | 795,000.78         | 32.079303 | -103.514340 |
| 9,500.00            | 2.61            | 10.90       | 9,493.10            | 298.79     | 57.56      | 393,555.08          | 795,001.65         | 32.079316 | -103.514337 |
| 9,600.00            | 2.61            | 10.90       | 9,593.00            | 303.27     | 58.42      | 393,559.56          | 795,002.51         | 32.079328 | -103.514334 |
| 9,700.00            | 2.61            | 10.90       | 9,692.89            | 307.75     | 59.28      | 393,564.04          | 795,003.37         | 32.079340 | -103.514331 |
| 9,800.00            | 2.61            | 10.90       | 9,792.79            | 312.23     | 60.15      | 393,568.52          | 795,004.23         | 32.079353 | -103.514328 |
| 9,900.00            | 2.61            | 10.90       | 9,892.68            | 316.71     | 61.01      | 393,573.00          | 795,005.10         | 32.079365 | -103.514325 |
| 10,000.00           | 2.61            | 10.90       | 9,992.58            | 321.19     | 61.87      | 393,577.48          | 795,005.96         | 32.079377 | -103.514323 |
| 10,100.00           | 2.61            | 10.90       | 10,092.48           | 325.67     | 62.74      | 393,581.96          | 795,006.82         | 32.079389 | -103.514320 |
| 10,200.00           | 2.61            | 10.90       | 10,192.37           | 330.15     | 63.60      | 393,586.44          | 795,007.69         | 32.079402 | -103.514317 |
| 10,300.00           | 2.61            | 10.90       | 10,292.27           | 334.63     | 64.46      | 393,590.92          | 795,008.55         | 32.079414 | -103.514314 |
| 10,400.00           | 2.61            | 10.90       | 10,392.16           | 339.11     | 65.33      | 393,595.40          | 795,009.41         | 32.079426 | -103.514311 |
| 10,500.00           | 2.61            | 10.90       | 10,492.06           | 343.59     | 66.19      | 393,599.88          | 795,010.28         | 32.079439 | -103.514308 |
| 10,600.00           | 2.61            | 10.90       | 10,591.96           | 348.07     | 67.05      | 393,604.36          | 795,011.14         | 32.079451 | -103.514305 |
| 10,700.00           | 2.61            | 10.90       | 10,691.85           | 352.55     | 67.91      | 393,608.84          | 795,012.00         | 32.079463 | -103.514302 |
| 10,800.00           | 2.61            | 10.90       | 10,791.75           | 357.03     | 68.78      | 393,613.32          | 795,012.87         | 32.079476 | -103.514299 |

# Planning Report - Geographic

|                  |                                    |                                     |                                      |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM r5000.141_Prod US              | <b>Local Co-ordinate Reference:</b> | Well Jayhawk 6-7 FED 12H             |
| <b>Company:</b>  | WCDSO Permian NM                   | <b>TVD Reference:</b>               | RKB @ 3338.10ft (Original Well Elev) |
| <b>Project:</b>  | Lea County (NAD83 New Mexico East) | <b>MD Reference:</b>                | RKB @ 3338.10ft (Original Well Elev) |
| <b>Site:</b>     | Sec 06-T26S-R34E                   | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Jayhawk 6-7 FED 12H                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Wellbore #1                        |                                     |                                      |
| <b>Design:</b>   | Permit Plan 1                      |                                     |                                      |

| Planned Survey                                    |                 |             |                     |            |            |                     |                    |           |             |
|---------------------------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|
| Measured Depth (ft)                               | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |
| 10,900.00                                         | 2.61            | 10.90       | 10,891.64           | 361.51     | 69.64      | 393,617.80          | 795,013.73         | 32.079488 | -103.514297 |
| 11,000.00                                         | 2.61            | 10.90       | 10,991.54           | 365.99     | 70.50      | 393,622.28          | 795,014.59         | 32.079500 | -103.514294 |
| 11,100.00                                         | 2.61            | 10.90       | 11,091.43           | 370.47     | 71.37      | 393,626.76          | 795,015.45         | 32.079512 | -103.514291 |
| 11,200.00                                         | 2.61            | 10.90       | 11,191.33           | 374.95     | 72.23      | 393,631.24          | 795,016.32         | 32.079525 | -103.514288 |
| 11,300.00                                         | 2.61            | 10.90       | 11,291.23           | 379.43     | 73.09      | 393,635.72          | 795,017.18         | 32.079537 | -103.514285 |
| 11,400.00                                         | 2.61            | 10.90       | 11,391.12           | 383.91     | 73.96      | 393,640.20          | 795,018.04         | 32.079549 | -103.514282 |
| 11,500.00                                         | 2.61            | 10.90       | 11,491.02           | 388.39     | 74.82      | 393,644.69          | 795,018.91         | 32.079562 | -103.514279 |
| 11,600.00                                         | 2.61            | 10.90       | 11,590.91           | 392.87     | 75.68      | 393,649.17          | 795,019.77         | 32.079574 | -103.514276 |
| 11,691.91                                         | 2.61            | 10.90       | 11,682.73           | 396.98     | 76.47      | 393,653.28          | 795,020.56         | 32.079585 | -103.514274 |
| 11,700.00                                         | 2.49            | 10.90       | 11,690.81           | 397.34     | 76.54      | 393,653.64          | 795,020.63         | 32.079586 | -103.514273 |
| 11,800.00                                         | 0.99            | 10.90       | 11,790.76           | 400.33     | 77.12      | 393,656.62          | 795,021.21         | 32.079594 | -103.514271 |
| 11,866.24                                         | 0.00            | 0.00        | 11,857.00           | 400.89     | 77.23      | 393,657.19          | 795,021.31         | 32.079596 | -103.514271 |
| 11,900.00                                         | 0.00            | 0.00        | 11,890.76           | 400.89     | 77.23      | 393,657.19          | 795,021.31         | 32.079596 | -103.514271 |
| 12,000.00                                         | 0.00            | 0.00        | 11,990.76           | 400.89     | 77.23      | 393,657.19          | 795,021.31         | 32.079596 | -103.514271 |
| 12,100.00                                         | 0.00            | 0.00        | 12,090.76           | 400.89     | 77.23      | 393,657.19          | 795,021.31         | 32.079596 | -103.514271 |
| 12,200.00                                         | 0.00            | 0.00        | 12,190.76           | 400.89     | 77.23      | 393,657.19          | 795,021.31         | 32.079596 | -103.514271 |
| 12,216.28                                         | 0.00            | 0.00        | 12,207.04           | 400.89     | 77.23      | 393,657.19          | 795,021.31         | 32.079596 | -103.514271 |
| 12,300.00                                         | 8.37            | 179.57      | 12,290.46           | 394.79     | 77.27      | 393,651.08          | 795,021.36         | 32.079579 | -103.514271 |
| 12,400.00                                         | 18.37           | 179.57      | 12,387.63           | 371.69     | 77.45      | 393,627.99          | 795,021.53         | 32.079516 | -103.514271 |
| 12,459.60                                         | 24.33           | 179.57      | 12,443.11           | 350.00     | 77.61      | 393,606.30          | 795,021.70         | 32.079456 | -103.514271 |
| First Take Point @ 12460' MD, 100' FNL, 1007' FWL |                 |             |                     |            |            |                     |                    |           |             |
| 12,500.00                                         | 28.37           | 179.57      | 12,479.30           | 332.07     | 77.74      | 393,588.37          | 795,021.83         | 32.079407 | -103.514271 |
| 12,600.00                                         | 38.37           | 179.57      | 12,562.71           | 277.14     | 78.15      | 393,533.43          | 795,022.24         | 32.079256 | -103.514271 |
| 12,700.00                                         | 48.37           | 179.57      | 12,635.31           | 208.55     | 78.67      | 393,464.85          | 795,022.76         | 32.079067 | -103.514271 |
| 12,800.00                                         | 58.37           | 179.57      | 12,694.90           | 128.40     | 79.27      | 393,384.70          | 795,023.36         | 32.078847 | -103.514271 |
| 12,900.00                                         | 68.37           | 179.57      | 12,739.66           | 39.13      | 79.94      | 393,295.42          | 795,024.03         | 32.078601 | -103.514271 |
| 13,000.00                                         | 78.37           | 179.57      | 12,768.24           | -56.57     | 80.65      | 393,199.73          | 795,024.74         | 32.078338 | -103.514271 |
| 13,100.00                                         | 88.37           | 179.57      | 12,779.77           | -155.77    | 81.40      | 393,100.53          | 795,025.49         | 32.078066 | -103.514271 |
| 13,116.28                                         | 90.00           | 179.57      | 12,780.00           | -172.05    | 81.52      | 393,084.25          | 795,025.61         | 32.078021 | -103.514271 |
| Land Point @ 13116' MD, 622' FNL, 1012' FWL       |                 |             |                     |            |            |                     |                    |           |             |
| 13,200.00                                         | 90.00           | 179.57      | 12,780.00           | -255.77    | 82.15      | 393,000.53          | 795,026.24         | 32.077791 | -103.514271 |
| 13,300.00                                         | 90.00           | 179.57      | 12,780.00           | -355.76    | 82.90      | 392,900.54          | 795,026.98         | 32.077516 | -103.514271 |
| 13,400.00                                         | 90.00           | 179.57      | 12,780.00           | -455.76    | 83.65      | 392,800.54          | 795,027.73         | 32.077241 | -103.514271 |
| 13,500.00                                         | 90.00           | 179.57      | 12,780.00           | -555.76    | 84.40      | 392,700.54          | 795,028.48         | 32.076966 | -103.514271 |
| 13,600.00                                         | 90.00           | 179.57      | 12,780.00           | -655.75    | 85.14      | 392,600.55          | 795,029.23         | 32.076691 | -103.514271 |
| 13,700.00                                         | 90.00           | 179.57      | 12,780.00           | -755.75    | 85.89      | 392,500.55          | 795,029.98         | 32.076416 | -103.514271 |
| 13,800.00                                         | 90.00           | 179.57      | 12,780.00           | -855.75    | 86.64      | 392,400.55          | 795,030.73         | 32.076142 | -103.514271 |
| 13,900.00                                         | 90.00           | 179.57      | 12,780.00           | -955.75    | 87.39      | 392,300.55          | 795,031.48         | 32.075867 | -103.514272 |
| 14,000.00                                         | 90.00           | 179.57      | 12,780.00           | -1,055.74  | 88.14      | 392,200.56          | 795,032.23         | 32.075592 | -103.514272 |
| 14,100.00                                         | 90.00           | 179.57      | 12,780.00           | -1,155.74  | 88.89      | 392,100.56          | 795,032.98         | 32.075317 | -103.514272 |
| 14,200.00                                         | 90.00           | 179.57      | 12,780.00           | -1,255.74  | 89.64      | 392,000.56          | 795,033.73         | 32.075042 | -103.514272 |
| 14,300.00                                         | 90.00           | 179.57      | 12,780.00           | -1,355.73  | 90.39      | 391,900.57          | 795,034.48         | 32.074767 | -103.514272 |
| 14,400.00                                         | 90.00           | 179.57      | 12,780.00           | -1,455.73  | 91.14      | 391,800.57          | 795,035.23         | 32.074492 | -103.514272 |
| 14,500.00                                         | 90.00           | 179.57      | 12,780.00           | -1,555.73  | 91.89      | 391,700.57          | 795,035.98         | 32.074217 | -103.514272 |
| 14,600.00                                         | 90.00           | 179.57      | 12,780.00           | -1,655.73  | 92.64      | 391,600.58          | 795,036.72         | 32.073943 | -103.514272 |
| 14,700.00                                         | 90.00           | 179.57      | 12,780.00           | -1,755.72  | 93.39      | 391,500.58          | 795,037.47         | 32.073668 | -103.514272 |
| 14,800.00                                         | 90.00           | 179.57      | 12,780.00           | -1,855.72  | 94.14      | 391,400.58          | 795,038.22         | 32.073393 | -103.514272 |
| 14,900.00                                         | 90.00           | 179.57      | 12,780.00           | -1,955.72  | 94.88      | 391,300.58          | 795,038.97         | 32.073118 | -103.514272 |
| 15,000.00                                         | 90.00           | 179.57      | 12,780.00           | -2,055.72  | 95.63      | 391,200.59          | 795,039.72         | 32.072843 | -103.514272 |
| 15,100.00                                         | 90.00           | 179.57      | 12,780.00           | -2,155.71  | 96.38      | 391,100.59          | 795,040.47         | 32.072568 | -103.514272 |
| 15,200.00                                         | 90.00           | 179.57      | 12,780.00           | -2,255.71  | 97.13      | 391,000.59          | 795,041.22         | 32.072293 | -103.514272 |
| 15,300.00                                         | 90.00           | 179.57      | 12,780.00           | -2,355.71  | 97.88      | 390,900.60          | 795,041.97         | 32.072018 | -103.514272 |
| 15,400.00                                         | 90.00           | 179.57      | 12,780.00           | -2,455.70  | 98.63      | 390,800.60          | 795,042.72         | 32.071744 | -103.514272 |
| 15,500.00                                         | 90.00           | 179.57      | 12,780.00           | -2,555.70  | 99.38      | 390,700.60          | 795,043.47         | 32.071469 | -103.514272 |

# Planning Report - Geographic

|                  |                                    |                                     |                                      |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM r5000.141_Prod US              | <b>Local Co-ordinate Reference:</b> | Well Jayhawk 6-7 FED 12H             |
| <b>Company:</b>  | WCDSC Permian NM                   | <b>TVD Reference:</b>               | RKB @ 3338.10ft (Original Well Elev) |
| <b>Project:</b>  | Lea County (NAD83 New Mexico East) | <b>MD Reference:</b>                | RKB @ 3338.10ft (Original Well Elev) |
| <b>Site:</b>     | Sec 06-T26S-R34E                   | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Jayhawk 6-7 FED 12H                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Wellbore #1                        |                                     |                                      |
| <b>Design:</b>   | Permit Plan 1                      |                                     |                                      |

| Planned Survey                                   |                 |             |                     |            |            |                     |                    |           |             |  |
|--------------------------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|--|
| Measured Depth (ft)                              | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude  | Longitude   |  |
| 15,600.00                                        | 90.00           | 179.57      | 12,780.00           | -2,655.70  | 100.13     | 390,600.61          | 795,044.22         | 32.071194 | -103.514272 |  |
| 15,700.00                                        | 90.00           | 179.57      | 12,780.00           | -2,755.70  | 100.88     | 390,500.61          | 795,044.97         | 32.070919 | -103.514272 |  |
| 15,800.00                                        | 90.00           | 179.57      | 12,780.00           | -2,855.69  | 101.63     | 390,400.61          | 795,045.72         | 32.070644 | -103.514272 |  |
| 15,900.00                                        | 90.00           | 179.57      | 12,780.00           | -2,955.69  | 102.38     | 390,300.61          | 795,046.46         | 32.070369 | -103.514272 |  |
| 16,000.00                                        | 90.00           | 179.57      | 12,780.00           | -3,055.69  | 103.13     | 390,200.62          | 795,047.21         | 32.070094 | -103.514272 |  |
| 16,100.00                                        | 90.00           | 179.57      | 12,780.00           | -3,155.68  | 103.88     | 390,100.62          | 795,047.96         | 32.069819 | -103.514272 |  |
| 16,200.00                                        | 90.00           | 179.57      | 12,780.00           | -3,255.68  | 104.63     | 390,000.62          | 795,048.71         | 32.069545 | -103.514272 |  |
| 16,300.00                                        | 90.00           | 179.57      | 12,780.00           | -3,355.68  | 105.37     | 389,900.63          | 795,049.46         | 32.069270 | -103.514272 |  |
| 16,400.00                                        | 90.00           | 179.57      | 12,780.00           | -3,455.68  | 106.12     | 389,800.63          | 795,050.21         | 32.068995 | -103.514272 |  |
| 16,500.00                                        | 90.00           | 179.57      | 12,780.00           | -3,555.67  | 106.87     | 389,700.63          | 795,050.96         | 32.068720 | -103.514272 |  |
| 16,600.00                                        | 90.00           | 179.57      | 12,780.00           | -3,655.67  | 107.62     | 389,600.64          | 795,051.71         | 32.068445 | -103.514272 |  |
| 16,700.00                                        | 90.00           | 179.57      | 12,780.00           | -3,755.67  | 108.37     | 389,500.64          | 795,052.46         | 32.068170 | -103.514272 |  |
| 16,800.00                                        | 90.00           | 179.57      | 12,780.00           | -3,855.66  | 109.12     | 389,400.64          | 795,053.21         | 32.067895 | -103.514272 |  |
| 16,900.00                                        | 90.00           | 179.57      | 12,780.00           | -3,955.66  | 109.87     | 389,300.64          | 795,053.96         | 32.067620 | -103.514272 |  |
| 17,000.00                                        | 90.00           | 179.57      | 12,780.00           | -4,055.66  | 110.62     | 389,200.65          | 795,054.71         | 32.067346 | -103.514272 |  |
| 17,100.00                                        | 90.00           | 179.57      | 12,780.00           | -4,155.66  | 111.37     | 389,100.65          | 795,055.46         | 32.067071 | -103.514273 |  |
| 17,200.00                                        | 90.00           | 179.57      | 12,780.00           | -4,255.65  | 112.12     | 389,000.65          | 795,056.21         | 32.066796 | -103.514273 |  |
| 17,300.00                                        | 90.00           | 179.57      | 12,780.00           | -4,355.65  | 112.87     | 388,900.66          | 795,056.95         | 32.066521 | -103.514273 |  |
| 17,400.00                                        | 90.00           | 179.57      | 12,780.00           | -4,455.65  | 113.62     | 388,800.66          | 795,057.70         | 32.066246 | -103.514273 |  |
| 17,500.00                                        | 90.00           | 179.57      | 12,780.00           | -4,555.65  | 114.37     | 388,700.66          | 795,058.45         | 32.065971 | -103.514273 |  |
| 17,600.00                                        | 90.00           | 179.57      | 12,780.00           | -4,655.64  | 115.11     | 388,600.67          | 795,059.20         | 32.065696 | -103.514273 |  |
| 17,672.42                                        | 90.00           | 179.57      | 12,780.00           | -4,728.06  | 115.66     | 388,528.25          | 795,059.74         | 32.065497 | -103.514273 |  |
| Last Take Point @ 17672' MD, 100' FSL, 1010' FWL |                 |             |                     |            |            |                     |                    |           |             |  |
| 17,672.44                                        | 90.00           | 179.57      | 12,780.00           | -4,728.08  | 115.66     | 388,528.23          | 795,059.74         | 32.065497 | -103.514273 |  |
| PBHL; 100' FSL, 1010' FWL                        |                 |             |                     |            |            |                     |                    |           |             |  |

| Design Targets                                                                   |               |              |           |            |            |                 |                |           |             |  |
|----------------------------------------------------------------------------------|---------------|--------------|-----------|------------|------------|-----------------|----------------|-----------|-------------|--|
| Target Name                                                                      | Dip Angle (°) | Dip Dir. (°) | TVD (ft)  | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude  | Longitude   |  |
| PBHL - Jayhawk 6-7 Ft                                                            | 0.00          | 0.00         | 0.00      | -4,728.08  | 115.66     | 388,528.23      | 795,059.74     | 32.065497 | -103.514273 |  |
| - hit/miss target                                                                |               |              |           |            |            |                 |                |           |             |  |
| - Shape                                                                          |               |              |           |            |            |                 |                |           |             |  |
| - plan misses target center by 4729.49ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E) |               |              |           |            |            |                 |                |           |             |  |
| - Point                                                                          |               |              |           |            |            |                 |                |           |             |  |
| VP - Jayhawk 12H                                                                 | 0.00          | 0.00         | 11,857.00 | 400.89     | 77.23      | 393,657.19      | 795,021.31     | 32.079596 | -103.514271 |  |
| - plan hits target center                                                        |               |              |           |            |            |                 |                |           |             |  |
| - Point                                                                          |               |              |           |            |            |                 |                |           |             |  |

| Plan Annotations    |                     |                   |            |                                                   |  |
|---------------------|---------------------|-------------------|------------|---------------------------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            |                                                   |  |
|                     |                     | +N/-S (ft)        | +E/-W (ft) | Comment                                           |  |
| 12,459.60           | 12,443.11           | 350.00            | 77.61      | First Take Point @ 12460' MD, 100' FNL, 1007' FWL |  |
| 13,116.28           | 12,780.00           | -172.05           | 81.52      | Land Point @ 13116' MD, 622' FNL, 1012' FWL       |  |
| 17,672.42           | 12,780.00           | -4,728.06         | 115.66     | Last Take Point @ 17672' MD, 100' FSL, 1010' FWL  |  |
| 17,672.44           | 12,780.00           | -4,728.08         | 115.66     | PBHL; 100' FSL, 1010' FWL                         |  |

WCDSC Permian NM

WELL DETAILS: Jayhawk 6-7 FED 12H

RKB @ 3338.10ft (Original Well Elev)  
3315.10

|           |           |           |             |
|-----------|-----------|-----------|-------------|
| Northing  | Easting   | Latitude  | Longitude   |
| 393256.30 | 794944.09 | 32.078496 | -103.514530 |



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SECTION DETAILS      Permit Plan 1

| MD       | Inc   | Azi    | TVD      | +N/-S    | +E/-W  | Dleg  | VSect   | Annotation                                       |
|----------|-------|--------|----------|----------|--------|-------|---------|--------------------------------------------------|
| 0.00     | 0.00  | 0.00   | 0.00     | 0.00     | 0.00   | 0.00  | 0.00    |                                                  |
| 2700.00  | 0.00  | 0.00   | 2700.00  | 0.00     | 0.00   | 0.00  | 0.00    |                                                  |
| 2961.50  | 2.61  | 10.90  | 2961.41  | 5.86     | 1.13   | 1.00  | -5.83   |                                                  |
| 11691.91 | 2.61  | 10.90  | 11682.73 | 396.98   | 76.47  | 0.00  | -395.00 |                                                  |
| 11866.24 | 0.00  | 0.00   | 11857.00 | 400.89   | 77.23  | 1.50  | -398.88 |                                                  |
| 12216.28 | 0.00  | 0.00   | 12207.04 | 400.89   | 77.23  | 0.00  | -398.88 |                                                  |
| 13116.28 | 90.00 | 179.57 | 12780.00 | -172.05  | 81.52  | 10.00 | 173.99  | Land Point @ 13116' MD, 622' FNL, 1012' FWL      |
| 17672.44 | 90.00 | 179.57 | 12780.00 | -4728.08 | 115.66 | 0.00  | 4729.49 | Last Take Point @ 17672' MD, 100' FSL, 1010' FWL |

