

# **BONANZA CREEK ENERGY INC.**

**WELD COUNTY, COLORADO  
SE SW SEC. 24 T5N R63W 6th P.M.  
NORTH PLATTE O-K-24HNB**

## **ORIGINAL WELLBORE**

**16 January, 2014**

**Plan: PROPOSAL #1**





Project: WELD COUNTY, COLORADO  
Site: SE SW SEC. 24 T5N R63W 6th P.M.  
Well: NORTH PLATTE O-K-24HNB  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #1

ANNOTATIONS

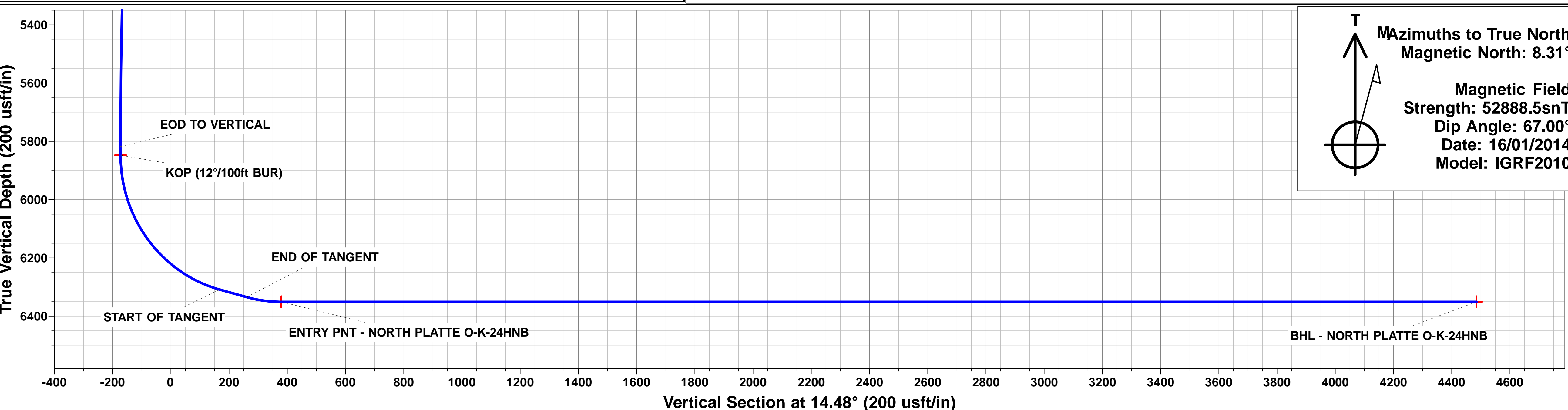
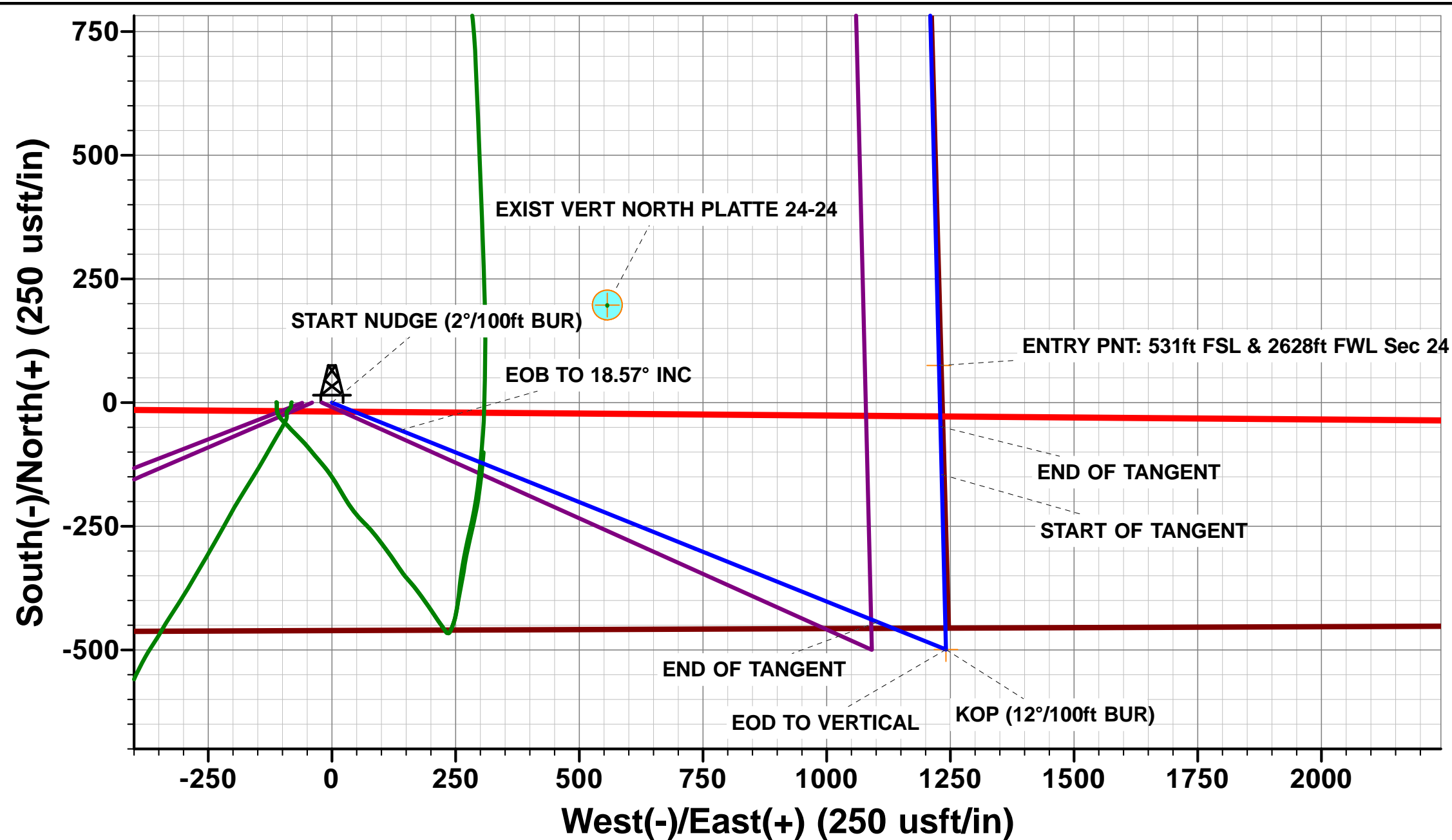
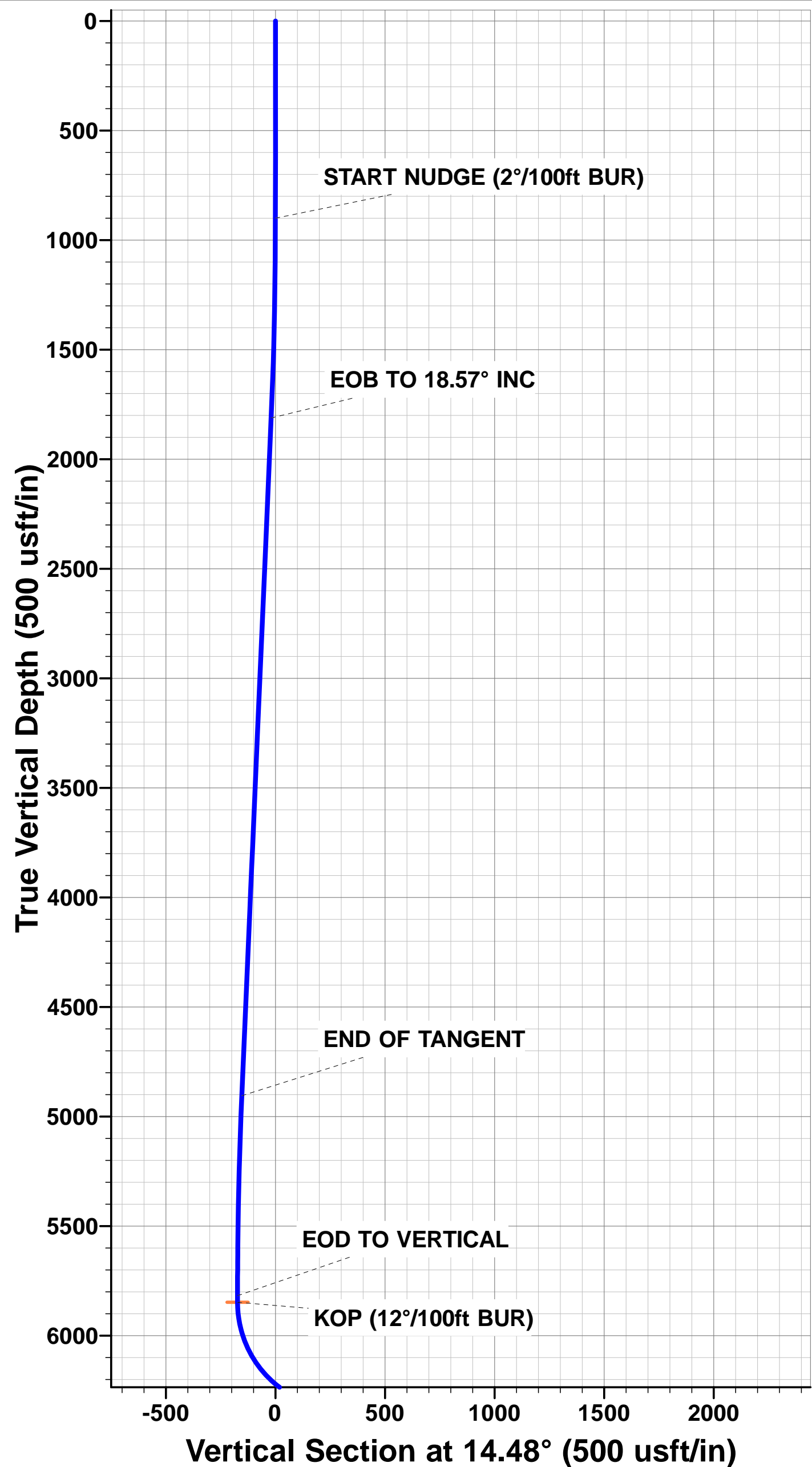
| TVD    | MD      | Inc   | Azi    | +N/-S  | +E/-W  | VSec   | Dep    | Annotation                               |
|--------|---------|-------|--------|--------|--------|--------|--------|--|
| 0.0    | 0.0     | 0.00  | 0.00   | 0.0    | 0.0    | 0.0    | 0.0    | W/C: 461ft FSL & 1399ft FWL Sec 24       |
| 900.0  | 900.0   | 0.00  | 0.00   | 0.0    | 0.0    | 0.0    | 0.0    | START NUDGE (2°/100ft BUR)               |
| 1812.5 | 1828.7  | 18.57 | 111.89 | -55.6  | 138.4  | -19.3  | 149.2  | EOB TO 18.57° INC                        |
| 4905.3 | 5091.4  | 18.57 | 111.89 | -443.2 | 1102.8 | -153.4 | 1188.5 | END OF TANGENT                           |
| 5817.8 | 6020.1  | 0.00  | 0.00   | -498.8 | 1241.2 | -172.7 | 1337.7 | EOD TO VERTICAL                          |
| 5847.8 | 6050.1  | 0.00  | 0.00   | -498.8 | 1241.2 | -172.7 | 1337.7 | KOP (12°/100ft BUR)                      |
| 6309.0 | 6675.1  | 75.00 | 358.58 | -145.0 | 1232.4 | 167.7  | 1691.6 | START OF TANGENT                         |
| 6334.9 | 6775.1  | 75.00 | 358.58 | -48.5  | 1230.0 | 260.6  | 1788.2 | END OF TANGENT                           |
| 6351.1 | 6900.1  | 90.00 | 358.58 | 75.1   | 1227.0 | 379.4  | 1911.7 | ENTRY PNT: 531ft FSL & 2628ft FWL Sec 24 |
| 6351.1 | 11169.0 | 90.00 | 358.58 | 4342.6 | 1121.2 | 4485.0 | 6180.6 | BHL: 470ft FNL & 2692ft FWL Sec 24       |

LOCAL COORDINATES:

SHL: 461ft FSL & 1399ft FWL Sec 24  
7" ICP: ft 531ft FSL & 2628ft FWL Sec 24  
BHL: 470ft FNL & 2692ft FWL Sec 24

WELLBORE TARGET DETAILS (LAT/LONG)

| Name                               | TVD    | +N/-S  | +E/-W  | Latitude  | Longitude   |
|------------------------------------|--------|--------|--------|-----------|-------------|
| BTV - NORTH PLATTE O-K-24HNB       | 5847.8 | -498.8 | 1241.2 | 40.377309 | -104.384213 |
| BHL - NORTH PLATTE O-K-24HNB       | 6351.1 | 4342.6 | 1121.2 | 40.390598 | -104.384643 |
| ENTRY PNT - NORTH PLATTE O-K-24HNB | 6351.1 | 75.1   | 1227.0 | 40.378884 | -104.384264 |



Mazimuths to True North  
Magnetic North: 8.31°  
Magnetic Field  
Strength: 52888.5snT  
Dip Angle: 67.00°  
Date: 16/01/2014  
Model: IGRF2010

# Planning Report



|                  |                                 |                                     |  |
|------------------|---------------------------------|-------------------------------------|--|
| <b>Database:</b> | EDM 5000.1 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well NORTH PLATTE O-K-24HNB              |
| <b>Company:</b>  | BONANZA CREEK ENERGY INC.       | <b>TVD Reference:</b>               | KB-EST @ 4585.1usft (Original Well Elev) |
| <b>Project:</b>  | WELD COUNTY, COLORADO           | <b>MD Reference:</b>                | KB-EST @ 4585.1usft (Original Well Elev) |
| <b>Site:</b>     | SE SW SEC. 24 T5N R63W 6th P.M. | <b>North Reference:</b>             | True                                     |
| <b>Well:</b>     | NORTH PLATTE O-K-24HNB          | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | ORIGINAL WELLBORE               |                                     |  |
| <b>Design:</b>   | PROPOSAL #1                     |                                     |  |

|                    |                           |                      |                             |
|--------------------|---------------------------|----------------------|-----------------------------|
| <b>Project</b>     | WELD COUNTY, COLORADO     |                      |                             |
| <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>   | Colorado Northern Zone    |                      | Using geodetic scale factor |

|                              |                                 |                          |                   |
|------------------------------|---------------------------------|--------------------------|-------------------|
| <b>Site</b>                  | SE SW SEC. 24 T5N R63W 6th P.M. |                          |                   |
| <b>Site Position:</b>        |                                 | <b>Northing:</b>         | 1,382,731.88 usft |
| <b>From:</b>                 | Lat/Long                        | <b>Easting:</b>          | 3,309,546.55 usft |
| <b>Position Uncertainty:</b> | 0.0 usft                        | <b>Slot Radius:</b>      | 1.10000ft         |
|                              |                                 | <b>Latitude:</b>         | 40.378677         |
|                              |                                 | <b>Longitude:</b>        | -104.388884       |
|                              |                                 | <b>Grid Convergence:</b> | 0.72 °            |

|                             |                        |           |                            |
|-----------------------------|------------------------|-----------|----------------------------|
| <b>Well</b>                 | NORTH PLATTE O-K-24HNB |           |                            |
| <b>Well Position</b>        | <b>+N/-S</b>           | 0.3 usft  | <b>Northing:</b>           |
|                             | <b>+E/-W</b>           | 60.2 usft | <b>Easting:</b>            |
| <b>Position Uncertainty</b> | 0.0 usft               |           | <b>Wellhead Elevation:</b> |
|                             |                        |           | <b>Latitude:</b>           |
|                             |                        |           | <b>Longitude:</b>          |
|                             |                        |           | <b>Ground Level:</b>       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | ORIGINAL WELLBORE |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 16/01/2014         | 8.31                   | 67.00                | 52,889                     |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | PROPOSAL #1                    |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PROTOTYPE           | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |
|                          | 6,351.1                        | 0.0                 | 0.0                  | 14.48                |

| <b>Plan Sections</b> |         |         |                |           |              |              |                         |                        |                       |         |                    |
|----------------------|---------|---------|----------------|-----------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|--------------------|
| MD (usft)            | Inc (°) | Azi (°) | Vertical Depth | SS (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target             |
| 0.0                  | 0.00    | 0.00    | 0.0            | -4,585.1  | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 900.0                | 0.00    | 0.00    | 900.0          | -3,685.1  | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 1,828.7              | 18.57   | 111.89  | 1,812.5        | -2,772.6  | -55.6        | 138.4        | 2.00                    | 2.00                   | 0.00                  | 111.89  |                    |
| 5,091.4              | 18.57   | 111.89  | 4,905.3        | 320.2     | -443.2       | 1,102.8      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 6,020.1              | 0.00    | 0.00    | 5,817.8        | 1,232.7   | -498.8       | 1,241.2      | 2.00                    | -2.00                  | 0.00                  | 180.00  |                    |
| 6,050.1              | 0.00    | 0.00    | 5,847.8        | 1,262.7   | -498.8       | 1,241.2      | 0.00                    | 0.00                   | 0.00                  | 0.00    | BTV - NORTH PLATTE |
| 6,675.1              | 75.00   | 358.58  | 6,309.0        | 1,723.9   | -145.0       | 1,232.4      | 12.00                   | 12.00                  | 0.00                  | 358.58  |                    |
| 6,775.1              | 75.00   | 358.58  | 6,334.9        | 1,749.8   | -48.5        | 1,230.0      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 6,900.1              | 90.00   | 358.58  | 6,351.1        | 1,766.0   | 75.1         | 1,227.0      | 12.00                   | 12.00                  | 0.00                  | 0.00    |                    |
| 11,169.0             | 90.00   | 358.58  | 6,351.1        | 1,766.0   | 4,342.6      | 1,121.2      | 0.00                    | 0.00                   | 0.00                  | 0.00    | BHL - NORTH PLATTE |

# Planning Report



|                  |                                 |                                     |  |
|------------------|---------------------------------|-------------------------------------|--|
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| <b>Well:</b>     | NORTH PLATTE O-K-24HNB          | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | ORIGINAL WELLBORE               |                                     |  |
| <b>Design:</b>   | PROPOSAL #1                     |                                     |  |

## Planned Survey

| MD<br>(usft)                                  | Inc<br>(°) | Azi<br>(°) | TVD<br>(usft) | SS<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|---|------------|------------|---------------|--------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| <b>W/C: 461ft FSL &amp; 1399ft FWL Sec 24</b> |            |            |               |              |                 |                 |                               |                               |                              |                             |
| 0.0   | 0.00       | 0.00       | 0.0           | 4,585.10     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 100.0   | 0.00       | 0.00       | 100.0         | 4,485.10     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 200.0   | 0.00       | 0.00       | 200.0         | 4,385.10     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 300.0   | 0.00       | 0.00       | 300.0         | 4,285.10     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 400.0   | 0.00       | 0.00       | 400.0         | 4,185.10     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 500.0   | 0.00       | 0.00       | 500.0         | 4,085.10     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 600.0   | 0.00       | 0.00       | 600.0         | 3,985.10     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 700.0   | 0.00       | 0.00       | 700.0         | 3,885.10     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 800.0   | 0.00       | 0.00       | 800.0         | 3,785.10     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| <b>START NUDGE (2°/100ft BUR)</b>             |            |            |               |              |                 |                 |                               |                               |                              |                             |
| 900.0   | 0.00       | 0.00       | 900.0         | 3,685.10     | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,000.0                                       | 2.00       | 111.89     | 1,000.0       | 3,585.12     | -0.7            | 1.6             | -0.2                          | 2.00                          | 2.00                         | 0.00                        |
| 1,100.0                                       | 4.00       | 111.89     | 1,099.8       | 3,485.26     | -2.6            | 6.5             | -0.9                          | 2.00                          | 2.00                         | 0.00                        |
| 1,200.0                                       | 6.00       | 111.89     | 1,199.5       | 3,385.65     | -5.9            | 14.6            | -2.0                          | 2.00                          | 2.00                         | 0.00                        |
| 1,300.0                                       | 8.00       | 111.89     | 1,298.7       | 3,286.40     | -10.4           | 25.9            | -3.6                          | 2.00                          | 2.00                         | 0.00                        |
| 1,400.0                                       | 10.00      | 111.89     | 1,397.5       | 3,187.63     | -16.2           | 40.4            | -5.6                          | 2.00                          | 2.00                         | 0.00                        |
| 1,500.0                                       | 12.00      | 111.89     | 1,495.6       | 3,089.48     | -23.3           | 58.1            | -8.1                          | 2.00                          | 2.00                         | 0.00                        |
| 1,600.0                                       | 14.00      | 111.89     | 1,593.1       | 2,992.04     | -31.7           | 79.0            | -11.0                         | 2.00                          | 2.00                         | 0.00                        |
| 1,700.0                                       | 16.00      | 111.89     | 1,689.6       | 2,895.46     | -41.4           | 103.0           | -14.3                         | 2.00                          | 2.00                         | 0.00                        |
| 1,800.0                                       | 18.00      | 111.89     | 1,785.3       | 2,799.83     | -52.3           | 130.1           | -18.1                         | 2.00                          | 2.00                         | 0.00                        |
| <b>EOB TO 18.57° INC</b>                      |            |            |               |              |                 |                 |                               |                               |                              |                             |
| 1,828.7                                       | 18.57      | 111.89     | 1,812.5       | 2,772.60     | -55.6           | 138.4           | -19.3                         | 2.00                          | 2.00                         | 0.00                        |
| 1,900.0                                       | 18.57      | 111.89     | 1,880.1       | 2,704.99     | -64.1           | 159.5           | -22.2                         | 0.00                          | 0.00                         | 0.00                        |
| 2,000.0                                       | 18.57      | 111.89     | 1,974.9       | 2,610.20     | -76.0           | 189.1           | -26.3                         | 0.00                          | 0.00                         | 0.00                        |
| 2,100.0                                       | 18.57      | 111.89     | 2,069.7       | 2,515.41     | -87.9           | 218.6           | -30.4                         | 0.00                          | 0.00                         | 0.00                        |
| 2,200.0                                       | 18.57      | 111.89     | 2,164.5       | 2,420.62     | -99.7           | 248.2           | -34.5                         | 0.00                          | 0.00                         | 0.00                        |
| 2,300.0                                       | 18.57      | 111.89     | 2,259.3       | 2,325.83     | -111.6          | 277.7           | -38.6                         | 0.00                          | 0.00                         | 0.00                        |
| 2,400.0                                       | 18.57      | 111.89     | 2,354.1       | 2,231.04     | -123.5          | 307.3           | -42.8                         | 0.00                          | 0.00                         | 0.00                        |
| 2,500.0                                       | 18.57      | 111.89     | 2,448.9       | 2,136.25     | -135.4          | 336.9           | -46.9                         | 0.00                          | 0.00                         | 0.00                        |
| 2,600.0                                       | 18.57      | 111.89     | 2,543.6       | 2,041.45     | -147.3          | 366.4           | -51.0                         | 0.00                          | 0.00                         | 0.00                        |
| 2,700.0                                       | 18.57      | 111.89     | 2,638.4       | 1,946.66     | -159.1          | 396.0           | -55.1                         | 0.00                          | 0.00                         | 0.00                        |
| 2,800.0                                       | 18.57      | 111.89     | 2,733.2       | 1,851.87     | -171.0          | 425.5           | -59.2                         | 0.00                          | 0.00                         | 0.00                        |
| 2,900.0                                       | 18.57      | 111.89     | 2,828.0       | 1,757.08     | -182.9          | 455.1           | -63.3                         | 0.00                          | 0.00                         | 0.00                        |
| 3,000.0                                       | 18.57      | 111.89     | 2,922.8       | 1,662.29     | -194.8          | 484.6           | -67.4                         | 0.00                          | 0.00                         | 0.00                        |
| 3,100.0                                       | 18.57      | 111.89     | 3,017.6       | 1,567.50     | -206.6          | 514.2           | -71.5                         | 0.00                          | 0.00                         | 0.00                        |
| 3,200.0                                       | 18.57      | 111.89     | 3,112.4       | 1,472.70     | -218.5          | 543.7           | -75.6                         | 0.00                          | 0.00                         | 0.00                        |
| 3,300.0                                       | 18.57      | 111.89     | 3,207.2       | 1,377.91     | -230.4          | 573.3           | -79.8                         | 0.00                          | 0.00                         | 0.00                        |
| 3,400.0                                       | 18.57      | 111.89     | 3,302.0       | 1,283.12     | -242.3          | 602.9           | -83.9                         | 0.00                          | 0.00                         | 0.00                        |
| 3,500.0                                       | 18.57      | 111.89     | 3,396.8       | 1,188.33     | -254.1          | 632.4           | -88.0                         | 0.00                          | 0.00                         | 0.00                        |
| 3,600.0                                       | 18.57      | 111.89     | 3,491.6       | 1,093.54     | -266.0          | 662.0           | -92.1                         | 0.00                          | 0.00                         | 0.00                        |
| 3,700.0                                       | 18.57      | 111.89     | 3,586.4       | 998.75       | -277.9          | 691.5           | -96.2                         | 0.00                          | 0.00                         | 0.00                        |
| 3,800.0                                       | 18.57      | 111.89     | 3,681.1       | 903.96       | -289.8          | 721.1           | -100.3                        | 0.00                          | 0.00                         | 0.00                        |
| 3,900.0                                       | 18.57      | 111.89     | 3,775.9       | 809.16       | -301.7          | 750.6           | -104.4                        | 0.00                          | 0.00                         | 0.00                        |
| 4,000.0                                       | 18.57      | 111.89     | 3,870.7       | 714.37       | -313.5          | 780.2           | -108.5                        | 0.00                          | 0.00                         | 0.00                        |
| 4,100.0                                       | 18.57      | 111.89     | 3,965.5       | 619.58       | -325.4          | 809.7           | -112.7                        | 0.00                          | 0.00                         | 0.00                        |
| 4,200.0                                       | 18.57      | 111.89     | 4,060.3       | 524.79       | -337.3          | 839.3           | -116.8                        | 0.00                          | 0.00                         | 0.00                        |
| 4,300.0                                       | 18.57      | 111.89     | 4,155.1       | 430.00       | -349.2          | 868.8           | -120.9                        | 0.00                          | 0.00                         | 0.00                        |
| 4,400.0                                       | 18.57      | 111.89     | 4,249.9       | 335.21       | -361.0          | 898.4           | -125.0                        | 0.00                          | 0.00                         | 0.00                        |
| 4,500.0                                       | 18.57      | 111.89     | 4,344.7       | 240.41       | -372.9          | 928.0           | -129.1                        | 0.00                          | 0.00                         | 0.00                        |
| 4,600.0                                       | 18.57      | 111.89     | 4,439.5       | 145.62       | -384.8          | 957.5           | -133.2                        | 0.00                          | 0.00                         | 0.00                        |
| 4,700.0                                       | 18.57      | 111.89     | 4,534.3       | 50.83        | -396.7          | 987.1           | -137.3                        | 0.00                          | 0.00                         | 0.00                        |
| 4,800.0                                       | 18.57      | 111.89     | 4,629.1       | -43.96       | -408.5          | 1,016.6         | -141.4                        | 0.00                          | 0.00                         | 0.00                        |

# Planning Report



|                  |                                 |                                     |  |
|------------------|---------------------------------|-------------------------------------|--|
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| <b>Site:</b>     | SE SW SEC. 24 T5N R63W 6th P.M. | <b>North Reference:</b>             | True                                     |
| <b>Well:</b>     | NORTH PLATTE O-K-24HNB          | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | ORIGINAL WELLBORE               |                                     |  |
| <b>Design:</b>   | PROPOSAL #1                     |                                     |  |

## Planned Survey

| MD<br>(usft)  | Inc<br>(°)   | Azi<br>(°)    | TVD<br>(usft)  | SS<br>(usft)     | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
|---|--------------|---------------|----------------|------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 4,900.0   | 18.57        | 111.89        | 4,723.9        | -138.75          | -420.4          | 1,046.2         | -145.5                        | 0.00                          | 0.00                         | 0.00                        |
| 5,000.0   | 18.57        | 111.89        | 4,818.6        | -233.54          | -432.3          | 1,075.7         | -149.7                        | 0.00                          | 0.00                         | 0.00                        |
| <b>END OF TANGENT</b>                               |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>5,091.4</b>                                      | <b>18.57</b> | <b>111.89</b> | <b>4,905.3</b> | <b>-320.20</b>   | <b>-443.2</b>   | <b>1,102.8</b>  | <b>-153.4</b>                 | <b>0.00</b>                   | <b>0.00</b>                  | <b>0.00</b>                 |
| 5,100.0   | 18.40        | 111.89        | 4,913.4        | -328.34          | -444.2          | 1,105.3         | -153.8                        | 2.00                          | -2.00                        | 0.00                        |
| 5,200.0   | 16.40        | 111.89        | 5,008.9        | -423.76          | -455.3          | 1,133.0         | -157.6                        | 2.00                          | -2.00                        | 0.00                        |
| 5,300.0   | 14.40        | 111.89        | 5,105.3        | -520.16          | -465.2          | 1,157.7         | -161.1                        | 2.00                          | -2.00                        | 0.00                        |
| 5,400.0   | 12.40        | 111.89        | 5,202.5        | -617.43          | -473.9          | 1,179.2         | -164.0                        | 2.00                          | -2.00                        | 0.00                        |
| 5,500.0   | 10.40        | 111.89        | 5,300.6        | -715.45          | -481.2          | 1,197.5         | -166.6                        | 2.00                          | -2.00                        | 0.00                        |
| 5,600.0   | 8.40         | 111.89        | 5,399.2        | -814.11          | -487.3          | 1,212.7         | -168.7                        | 2.00                          | -2.00                        | 0.00                        |
| 5,700.0   | 6.40         | 111.89        | 5,498.4        | -913.27          | -492.1          | 1,224.6         | -170.4                        | 2.00                          | -2.00                        | 0.00                        |
| 5,800.0   | 4.40         | 111.89        | 5,597.9        | -1,012.82        | -495.6          | 1,233.4         | -171.6                        | 2.00                          | -2.00                        | 0.00                        |
| 5,900.0   | 2.40         | 111.89        | 5,697.7        | -1,112.64        | -497.9          | 1,238.9         | -172.4                        | 2.00                          | -2.00                        | 0.00                        |
| 6,000.0   | 0.40         | 111.89        | 5,797.7        | -1,212.60        | -498.8          | 1,241.1         | -172.7                        | 2.00                          | -2.00                        | 0.00                        |
| <b>EOD TO VERTICAL</b>                              |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>6,020.1</b>                                      | <b>0.00</b>  | <b>0.00</b>   | <b>5,817.8</b> | <b>-1,232.70</b> | <b>-498.8</b>   | <b>1,241.2</b>  | <b>-172.7</b>                 | <b>2.00</b>                   | <b>-2.00</b>                 | <b>0.00</b>                 |
| <b>KOP (12°/100ft BUR)</b>                          |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>6,050.1</b>                                      | <b>0.00</b>  | <b>0.00</b>   | <b>5,847.8</b> | <b>-1,262.70</b> | <b>-498.8</b>   | <b>1,241.2</b>  | <b>-172.7</b>                 | <b>0.00</b>                   | <b>0.00</b>                  | <b>0.00</b>                 |
| 6,100.0   | 5.99         | 358.58        | 5,897.6        | -1,312.51        | -496.2          | 1,241.1         | -170.2                        | 12.00                         | 12.00                        | 0.00                        |
| 6,200.0   | 17.99        | 358.58        | 5,995.3        | -1,410.15        | -475.5          | 1,240.6         | -150.2                        | 12.00                         | 12.00                        | 0.00                        |
| 6,300.0   | 29.99        | 358.58        | 6,086.4        | -1,501.35        | -434.9          | 1,239.6         | -111.2                        | 12.00                         | 12.00                        | 0.00                        |
| 6,400.0   | 41.99        | 358.58        | 6,167.2        | -1,582.11        | -376.3          | 1,238.2         | -54.8                         | 12.00                         | 12.00                        | 0.00                        |
| 6,500.0   | 53.99        | 358.58        | 6,234.0        | -1,648.92        | -302.1          | 1,236.3         | 16.5                          | 12.00                         | 12.00                        | 0.00                        |
| 6,600.0   | 65.99        | 358.58        | 6,283.9        | -1,698.85        | -215.7          | 1,234.2         | 99.7                          | 12.00                         | 12.00                        | 0.00                        |
| <b>START OF TANGENT</b>                             |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>6,675.1</b>                                      | <b>75.00</b> | <b>358.58</b> | <b>6,309.0</b> | <b>-1,723.90</b> | <b>-145.0</b>   | <b>1,232.4</b>  | <b>167.7</b>                  | <b>12.00</b>                  | <b>12.00</b>                 | <b>0.00</b>                 |
| 6,700.0   | 75.00        | 358.58        | 6,315.4        | -1,730.34        | -121.0          | 1,231.8         | 190.8                         | 0.00                          | 0.00                         | 0.00                        |
| <b>END OF TANGENT</b>                               |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>6,775.1</b>                                      | <b>75.00</b> | <b>358.58</b> | <b>6,334.9</b> | <b>-1,749.78</b> | <b>-48.5</b>    | <b>1,230.0</b>  | <b>260.6</b>                  | <b>0.00</b>                   | <b>0.00</b>                  | <b>0.00</b>                 |
| 6,800.0   | 77.99        | 358.58        | 6,340.7        | -1,755.59        | -24.3           | 1,229.4         | 283.9                         | 12.00                         | 12.00                        | 0.00                        |
| 6,900.0   | 89.99        | 358.58        | 6,351.1        | -1,766.05        | 75.0            | 1,227.0         | 379.3                         | 12.00                         | 12.00                        | 0.00                        |
| <b>ENTRY PNT: 531ft FSL &amp; 2628ft FWL Sec 24</b> |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>6,900.1</b>                                      | <b>90.00</b> | <b>358.58</b> | <b>6,351.1</b> | <b>-1,766.05</b> | <b>75.1</b>     | <b>1,227.0</b>  | <b>379.4</b>                  | <b>12.00</b>                  | <b>12.00</b>                 | <b>0.00</b>                 |
| 7,000.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 175.0           | 1,224.5         | 475.5                         | 0.00                          | 0.00                         | 0.00                        |
| 7,100.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 274.9           | 1,222.0         | 571.7                         | 0.00                          | 0.00                         | 0.00                        |
| 7,200.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 374.9           | 1,219.5         | 667.9                         | 0.00                          | 0.00                         | 0.00                        |
| 7,300.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 474.9           | 1,217.1         | 764.0                         | 0.00                          | 0.00                         | 0.00                        |
| 7,400.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 574.8           | 1,214.6         | 860.2                         | 0.00                          | 0.00                         | 0.00                        |
| 7,500.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 674.8           | 1,212.1         | 956.4                         | 0.00                          | 0.00                         | 0.00                        |
| 7,600.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 774.8           | 1,209.6         | 1,052.6                       | 0.00                          | 0.00                         | 0.00                        |
| 7,700.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 874.7           | 1,207.2         | 1,148.7                       | 0.00                          | 0.00                         | 0.00                        |
| 7,800.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 974.7           | 1,204.7         | 1,244.9                       | 0.00                          | 0.00                         | 0.00                        |
| 7,900.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 1,074.7         | 1,202.2         | 1,341.1                       | 0.00                          | 0.00                         | 0.00                        |
| 8,000.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 1,174.6         | 1,199.7         | 1,437.3                       | 0.00                          | 0.00                         | 0.00                        |
| 8,100.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 1,274.6         | 1,197.2         | 1,533.4                       | 0.00                          | 0.00                         | 0.00                        |
| 8,200.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 1,374.6         | 1,194.8         | 1,629.6                       | 0.00                          | 0.00                         | 0.00                        |
| 8,300.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 1,474.6         | 1,192.3         | 1,725.8                       | 0.00                          | 0.00                         | 0.00                        |
| 8,400.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 1,574.5         | 1,189.8         | 1,822.0                       | 0.00                          | 0.00                         | 0.00                        |
| 8,500.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 1,674.5         | 1,187.3         | 1,918.1                       | 0.00                          | 0.00                         | 0.00                        |
| 8,600.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 1,774.5         | 1,184.8         | 2,014.3                       | 0.00                          | 0.00                         | 0.00                        |
| 8,700.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 1,874.4         | 1,182.4         | 2,110.5                       | 0.00                          | 0.00                         | 0.00                        |
| 8,800.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 1,974.4         | 1,179.9         | 2,206.7                       | 0.00                          | 0.00                         | 0.00                        |
| 8,900.0   | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 2,074.4         | 1,177.4         | 2,302.8                       | 0.00                          | 0.00                         | 0.00                        |



# Planning Report



|                  |                                 |                                     |  |
|------------------|---------------------------------|-------------------------------------|--|
| <b>Database:</b> | EDM 5000.1 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well NORTH PLATTE O-K-24HNB              |
| <b>Company:</b>  | BONANZA CREEK ENERGY INC.       | <b>TVD Reference:</b>               | KB-EST @ 4585.1usft (Original Well Elev) |
| <b>Project:</b>  | WELD COUNTY, COLORADO           | <b>MD Reference:</b>                | KB-EST @ 4585.1usft (Original Well Elev) |
| <b>Site:</b>     | SE SW SEC. 24 T5N R63W 6th P.M. | <b>North Reference:</b>             | True                                     |
| <b>Well:</b>     | NORTH PLATTE O-K-24HNB          | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | ORIGINAL WELLBORE               |                                     |  |
| <b>Design:</b>   | PROPOSAL #1                     |                                     |  |

| Planned Survey                                |              |               |                |                  |                 |                 |                               |                               |                              |                             |
|---|--------------|---------------|----------------|------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| MD<br>(usft)                                  | Inc<br>(°)   | Azi<br>(°)    | TVD<br>(usft)  | SS<br>(usft)     | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
| 9,000.0                                       | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 2,174.3         | 1,174.9         | 2,399.0                       | 0.00                          | 0.00                         | 0.00                        |
| 9,100.0                                       | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 2,274.3         | 1,172.5         | 2,495.2                       | 0.00                          | 0.00                         | 0.00                        |
| 9,200.0                                       | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 2,374.3         | 1,170.0         | 2,591.4                       | 0.00                          | 0.00                         | 0.00                        |
| 9,300.0                                       | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 2,474.2         | 1,167.5         | 2,687.5                       | 0.00                          | 0.00                         | 0.00                        |
| 9,400.0                                       | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 2,574.2         | 1,165.0         | 2,783.7                       | 0.00                          | 0.00                         | 0.00                        |
| 9,500.0                                       | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 2,674.2         | 1,162.5         | 2,879.9                       | 0.00                          | 0.00                         | 0.00                        |
| 9,600.0                                       | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 2,774.2         | 1,160.1         | 2,976.1                       | 0.00                          | 0.00                         | 0.00                        |
| 9,700.0                                       | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 2,874.1         | 1,157.6         | 3,072.2                       | 0.00                          | 0.00                         | 0.00                        |
| 9,800.0                                       | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 2,974.1         | 1,155.1         | 3,168.4                       | 0.00                          | 0.00                         | 0.00                        |
| 9,900.0                                       | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 3,074.1         | 1,152.6         | 3,264.6                       | 0.00                          | 0.00                         | 0.00                        |
| 10,000.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 3,174.0         | 1,150.2         | 3,360.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,100.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 3,274.0         | 1,147.7         | 3,457.0                       | 0.00                          | 0.00                         | 0.00                        |
| 10,200.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 3,374.0         | 1,145.2         | 3,553.1                       | 0.00                          | 0.00                         | 0.00                        |
| 10,300.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 3,473.9         | 1,142.7         | 3,649.3                       | 0.00                          | 0.00                         | 0.00                        |
| 10,400.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 3,573.9         | 1,140.2         | 3,745.5                       | 0.00                          | 0.00                         | 0.00                        |
| 10,500.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 3,673.9         | 1,137.8         | 3,841.7                       | 0.00                          | 0.00                         | 0.00                        |
| 10,600.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 3,773.8         | 1,135.3         | 3,937.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,700.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 3,873.8         | 1,132.8         | 4,034.0                       | 0.00                          | 0.00                         | 0.00                        |
| 10,800.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 3,973.8         | 1,130.3         | 4,130.2                       | 0.00                          | 0.00                         | 0.00                        |
| 10,900.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 4,073.8         | 1,127.9         | 4,226.4                       | 0.00                          | 0.00                         | 0.00                        |
| 11,000.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 4,173.7         | 1,125.4         | 4,322.5                       | 0.00                          | 0.00                         | 0.00                        |
| 11,100.0                                      | 90.00        | 358.58        | 6,351.1        | -1,766.05        | 4,273.7         | 1,122.9         | 4,418.7                       | 0.00                          | 0.00                         | 0.00                        |
| <b>BHL: 470ft FNL &amp; 2692ft FWL Sec 24</b> |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>11,169.0</b>                               | <b>90.00</b> | <b>358.58</b> | <b>6,351.1</b> | <b>-1,766.00</b> | <b>4,342.6</b>  | <b>1,121.2</b>  | <b>4,485.0</b>                | <b>0.00</b>                   | <b>0.00</b>                  | <b>0.00</b>                 |

| Plan Annotations |               |                   |                 |  |
|------------------|---------------|-------------------|-----------------|--|
| MD<br>(usft)     | TVD<br>(usft) | Local Coordinates |                 | Comment                                  |
|                  |               | +N/-S<br>(usft)   | +E/-W<br>(usft) |  |
| 0.0              | 0.0           | 0.0               | 0.0             | W/C: 461ft FSL & 1399ft FWL Sec 24       |
| 900.0            | 900.0         | 0.0               | 0.0             | START NUDGE (2°/100ft BUR)               |
| 1,828.7          | 1,812.5       | -55.6             | 138.4           | EOB TO 18.57° INC                        |
| 5,091.4          | 4,905.3       | -443.2            | 1,102.8         | END OF TANGENT                           |
| 6,020.1          | 5,817.8       | -498.8            | 1,241.2         | EOD TO VERTICAL                          |
| 6,050.1          | 5,847.8       | -498.8            | 1,241.2         | KOP (12°/100ft BUR)                      |
| 6,675.1          | 6,309.0       | -145.0            | 1,232.4         | START OF TANGENT                         |
| 6,775.1          | 6,334.9       | -48.5             | 1,230.0         | END OF TANGENT                           |
| 6,900.1          | 6,351.1       | 75.1              | 1,227.0         | ENTRY PNT: 531ft FSL & 2628ft FWL Sec 24 |
| 11,169.0         | 6,351.1       | 4,342.6           | 1,121.2         | BHL: 470ft FNL & 2692ft FWL Sec 24       |