

# **BONANZA CREEK ENERGY INC.**

**WELD COUNTY, COLORADO (NAD 83)**

**NW NW SEC. 33 T5N R63W 6th P.M.**

**NORTH PLATTE 11-41-33HC**

**ORIGINAL WELLBORE**

**25 April, 2014**

**Plan: PROPOSAL #1**





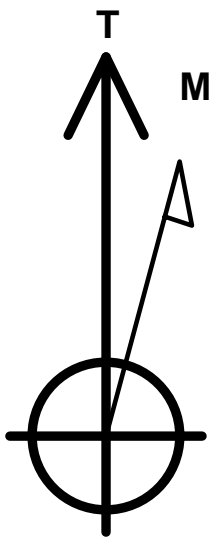
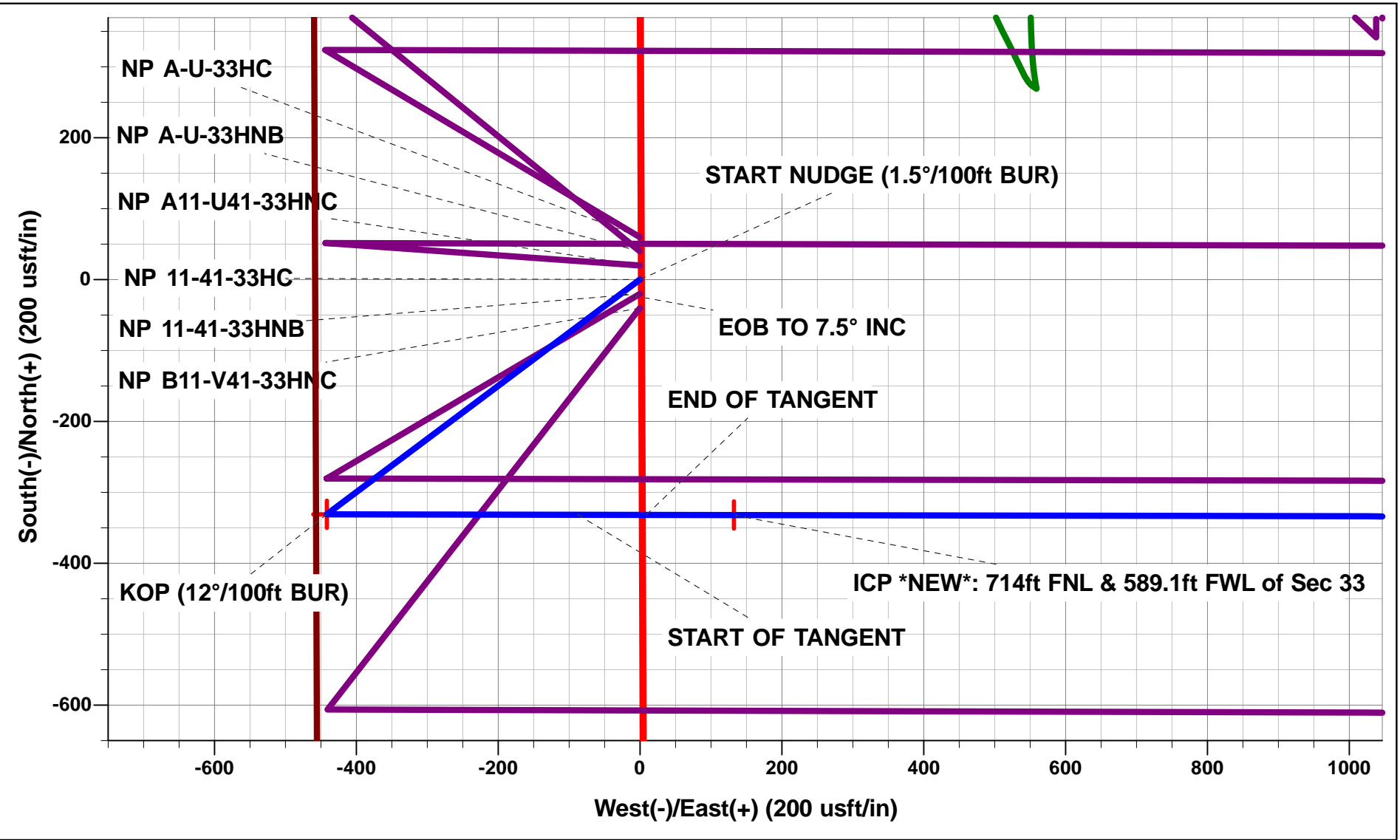
Project: WELD COUNTY, COLORADO (NAD 83)  
Site: NW NW SEC. 33 T5N R63W 6th P.M.  
Well: NORTH PLATTE 11-41-33HC  
Wellbore: ORIGINAL WELLBORE  
Design: PROPOSAL #1

ANNOTATIONS

| TVD    | MD      | Inc   | Azi    | +N/-S  | +E/-W  | VSec   | Dep    | Annotation                                   |
|--------|---------|-------|--------|--------|--------|--------|--------|--|
| 1300.0 | 1300.0  | 0.00  | 0.00   | 0.0    | 0.0    | 0.0    | 0.0    | START NUDGE (1.5°/100ft BUR)                 |
| 1798.8 | 1800.3  | 7.50  | 233.16 | -19.6  | -26.2  | -24.6  | 32.7   | EOB TO 7.5° INC                              |
| 5491.4 | 5524.7  | 7.50  | 233.16 | -311.3 | -415.4 | -390.1 | 519.1  | END OF TANGENT                               |
| 5990.2 | 6025.0  | 0.00  | 0.00   | -330.9 | -441.6 | -414.7 | 551.8  | EOD TO VERTICAL                              |
| 6020.2 | 6055.0  | 0.00  | 0.00   | -330.9 | -441.6 | -414.7 | 551.8  | KOP (12°/100ft BUR)                          |
| 6481.4 | 6680.0  | 75.00 | 90.11  | -331.6 | -87.7  | -61.8  | 905.7  | START OF TANGENT                             |
| 6507.3 | 6780.0  | 75.00 | 90.11  | -331.8 | 8.9    | 34.5   | 1002.3 | END OF TANGENT                               |
| 6523.5 | 6905.0  | 90.00 | 90.11  | -332.0 | 132.5  | 157.8  | 1125.9 | ICP *NEW*: 714ft FNL & 589.1ft FWL of Sec 33 |
| 6523.5 | 11154.8 | 90.00 | 90.11  | -340.2 | 4382.3 | 4395.4 | 5375.7 | BHL: 710ft FNL & 470ft FWL of Sec 33         |

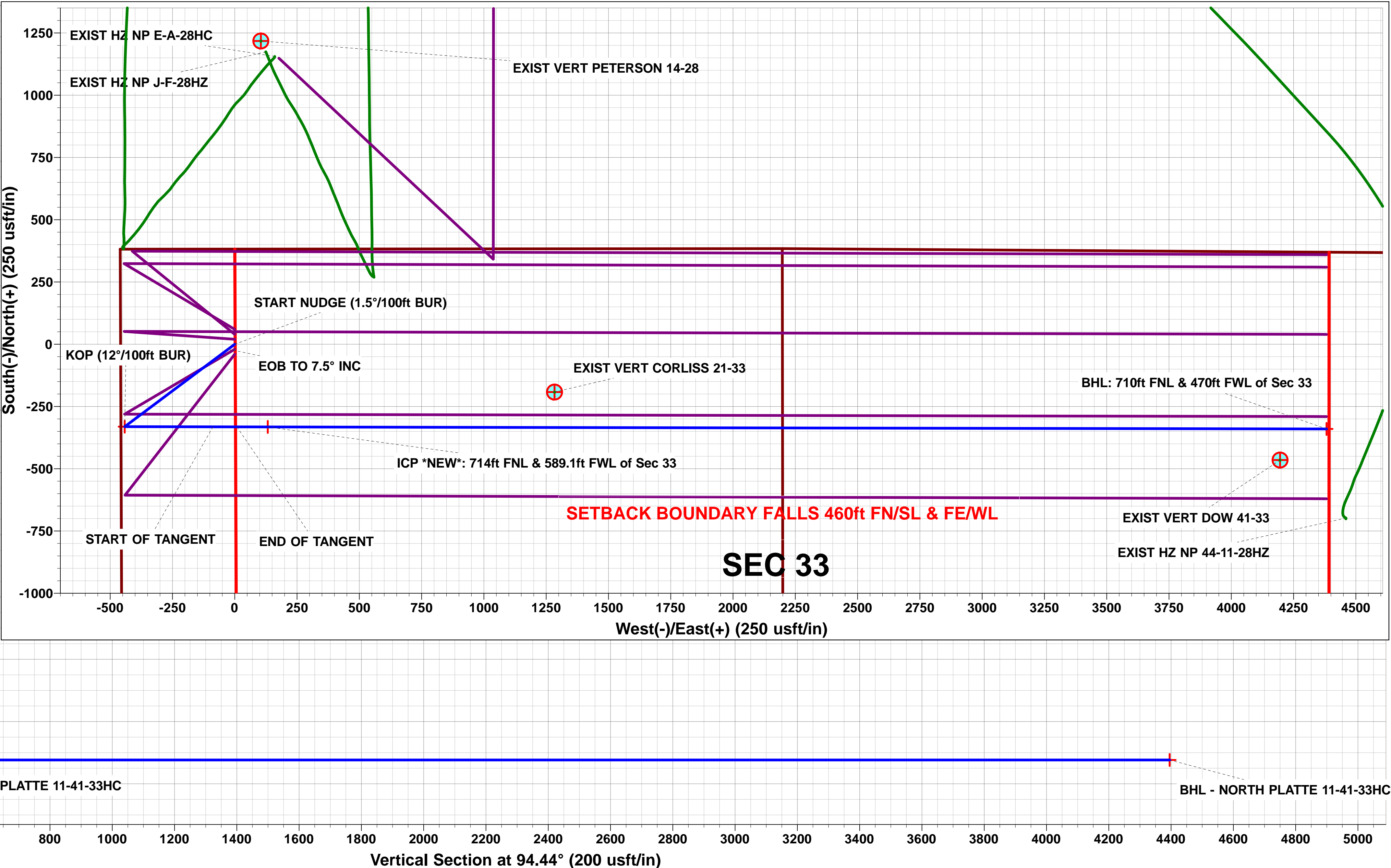
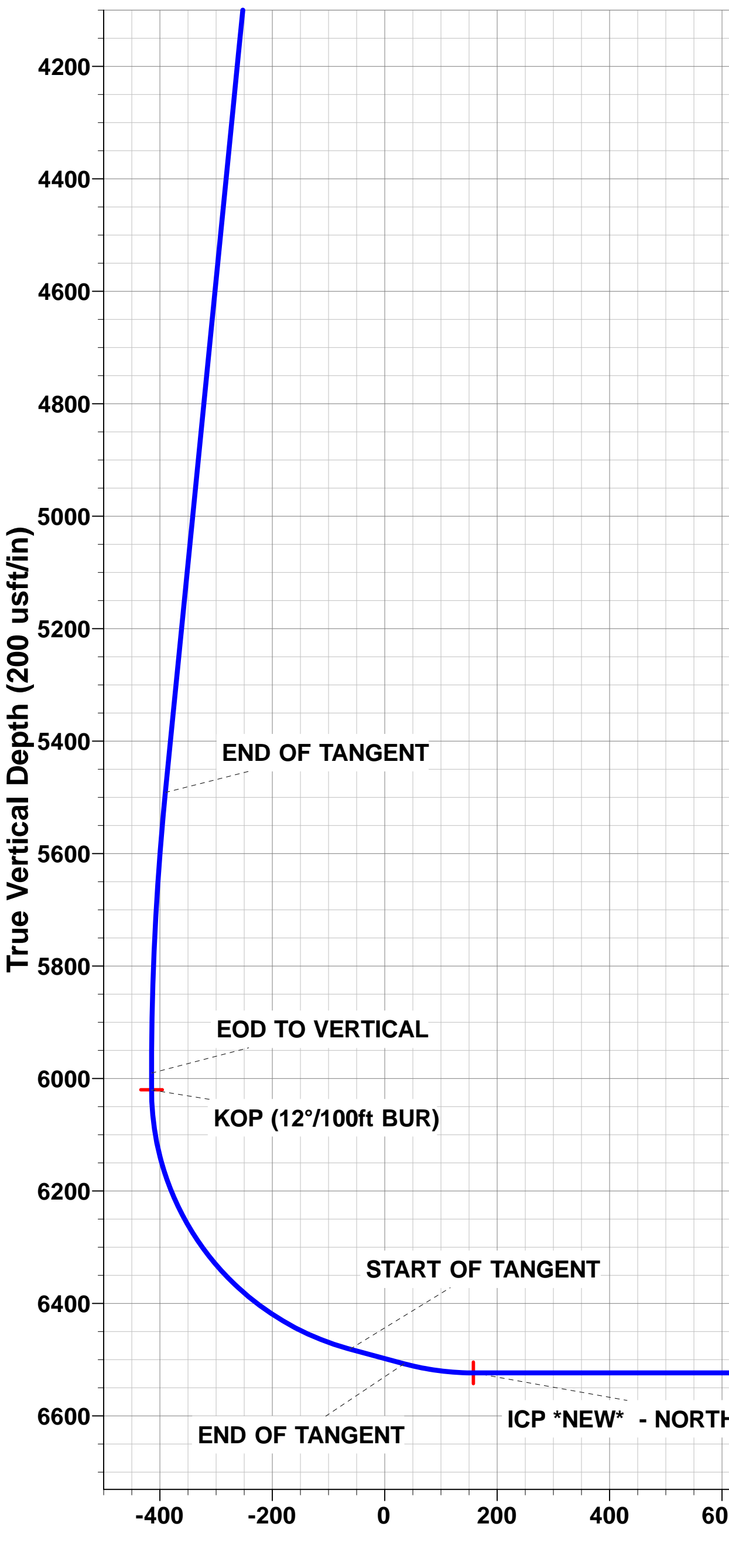
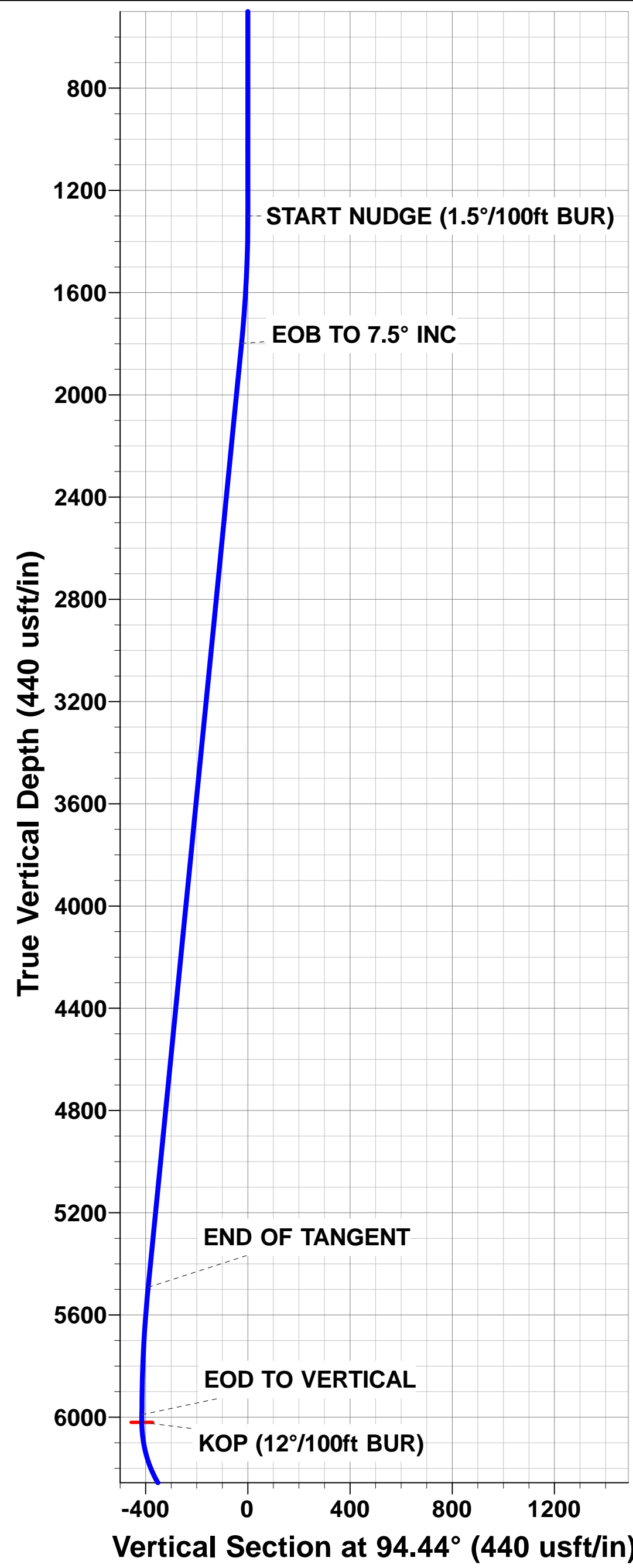
WELLBORE TARGET DETAILS (LAT/LONG)

| Name                                | TVD    | +N/-S  | +E/-W  | Latitude  | Longitude   |
|-------------------------------------|--------|--------|--------|-----------|-------------|
| KOP - NORTH PLATTE 11-41-33HC       | 6020.2 | -330.9 | -441.6 | 40.361309 | -104.450391 |
| BHL - NORTH PLATTE 11-41-33HC       | 6523.5 | -340.2 | 4382.3 | 40.361282 | -104.433081 |
| ICP *NEW* - NORTH PLATTE 11-41-33HC | 6523.5 | -332.0 | 132.5  | 40.361306 | -104.448331 |



Azimuths to True North  
Magnetic North: 8.30°

Magnetic Field  
Strength: 52845.1snT  
Dip Angle: 66.97°  
Date: 25/04/2014  
Model: IGRF2010



# Planning Report



|                  |                                 |                                     |  |
|------------------|---------------------------------|-------------------------------------|--|
| <b>Database:</b> | EDM 5000.1 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well NORTH PLATTE 11-41-33HC             |
| <b>Company:</b>  | BONANZA CREEK ENERGY INC.       | <b>TVD Reference:</b>               | KB-EST @ 4586.5usft (Original Well Elev) |
| <b>Project:</b>  | WELD COUNTY, COLORADO (NAD 83)  | <b>MD Reference:</b>                | KB-EST @ 4586.5usft (Original Well Elev) |
| <b>Site:</b>     | NW NW SEC. 33 T5N R63W 6th P.M. | <b>North Reference:</b>             | True                                     |
| <b>Well:</b>     | NORTH PLATTE 11-41-33HC         | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | ORIGINAL WELLBORE               |                                     |  |
| <b>Design:</b>   | PROPOSAL #1                     |                                     |  |

|                    |                                |                      |                             |
|--------------------|--------------------------------|----------------------|-----------------------------|
| <b>Project</b>     | WELD COUNTY, COLORADO (NAD 83) |                      |                             |
| <b>Map System:</b> | US State Plane 1983            | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983      |                      |                             |
| <b>Map Zone:</b>   | Colorado Northern Zone         |                      | Using geodetic scale factor |

|                              |                                 |                          |                   |
|------------------------------|---------------------------------|--------------------------|-------------------|
| <b>Site</b>                  | NW NW SEC. 33 T5N R63W 6th P.M. |                          |                   |
| <b>Site Position:</b>        |                                 | <b>Northing:</b>         | 1,376,592.57 usft |
| <b>From:</b>                 | Lat/Long                        | <b>Easting:</b>          | 3,292,923.73 usft |
| <b>Position Uncertainty:</b> | 0.0 usft                        | <b>Slot Radius:</b>      | 1.10000ft         |
|                              |                                 | <b>Latitude:</b>         | 40.362382         |
|                              |                                 | <b>Longitude:</b>        | -104.448807       |
|                              |                                 | <b>Grid Convergence:</b> | 0.68 °            |

|                             |                         |                            |                                    |
|-----------------------------|-------------------------|----------------------------|------------------------------------|
| <b>Well</b>                 | NORTH PLATTE 11-41-33HC |                            |                                    |
| <b>Well Position</b>        | <b>+N/-S</b>            | -60.1 usft                 | <b>Northing:</b> 1,376,532.47 usft |
|                             | <b>+E/-W</b>            | 0.3 usft                   | <b>Easting:</b> 3,292,924.72 usft  |
| <b>Position Uncertainty</b> | 0.0 usft                | <b>Wellhead Elevation:</b> | usft                               |
|                             |                         | <b>Latitude:</b>           | 40.362217                          |
|                             |                         | <b>Longitude:</b>          | -104.448806                        |
|                             |                         | <b>Ground Level:</b>       | 4,569.5 usft                       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <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          | 25/04/2014         | 8.30                   | 66.97                | 52,845                     |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <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> |
|                          | 6,523.5                        | 0.0                 | 0.0                  | 94.44                |

| <b>Plan Sections</b> |         |         |                |           |              |              |                        |                       |                      |         |                 |
|----------------------|---------|---------|----------------|-----------|--------------|--------------|------------------------|-----------------------|----------------------|---------|-----------------|
| MD (usft)            | Inc (°) | Azi (°) | Vertical Depth | SS (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usf) | Build Rate (°/100usf) | Turn Rate (°/100usf) | TFO (°) | Target          |
| 0.0                  | 0.00    | 0.00    | 0.0            | -4,586.5  | 0.0          | 0.0          | 0.00                   | 0.00                  | 0.00                 | 0.00    |                 |
| 1,300.0              | 0.00    | 0.00    | 1,300.0        | -3,286.5  | 0.0          | 0.0          | 0.00                   | 0.00                  | 0.00                 | 0.00    |                 |
| 1,800.3              | 7.50    | 233.16  | 1,798.8        | -2,787.7  | -19.6        | -26.2        | 1.50                   | 1.50                  | 0.00                 | 233.16  |                 |
| 5,524.7              | 7.50    | 233.16  | 5,491.4        | 904.9     | -311.3       | -415.4       | 0.00                   | 0.00                  | 0.00                 | 0.00    |                 |
| 6,025.0              | 0.00    | 0.00    | 5,990.2        | 1,403.7   | -330.9       | -441.6       | 1.50                   | -1.50                 | 0.00                 | 180.00  |                 |
| 6,055.0              | 0.00    | 0.00    | 6,020.2        | 1,433.7   | -330.9       | -441.6       | 0.00                   | 0.00                  | 0.00                 | 0.00    | KOP - NORTH PLA |
| 6,680.0              | 75.00   | 90.11   | 6,481.4        | 1,894.9   | -331.6       | -87.7        | 12.00                  | 12.00                 | 0.00                 | 90.11   |                 |
| 6,780.0              | 75.00   | 90.11   | 6,507.3        | 1,920.8   | -331.8       | 8.9          | 0.00                   | 0.00                  | 0.00                 | 0.00    |                 |
| 6,905.0              | 90.00   | 90.11   | 6,523.5        | 1,937.0   | -332.0       | 132.5        | 12.00                  | 12.00                 | 0.00                 | 0.00    |                 |
| 11,154.8             | 90.00   | 90.11   | 6,523.5        | 1,937.0   | -340.2       | 4,382.3      | 0.00                   | 0.00                  | 0.00                 | 56.63   | BHL - NORTH PLA |

# Planning Report



|                  |                                 |                                     |  |
|------------------|---------------------------------|-------------------------------------|--|
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| <b>Well:</b>     | NORTH PLATTE 11-41-33HC         | <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) |
| 0.0                                 | 0.00        | 0.00          | 0.0            | 4,586.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 100.0                               | 0.00        | 0.00          | 100.0          | 4,486.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 200.0                               | 0.00        | 0.00          | 200.0          | 4,386.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 300.0                               | 0.00        | 0.00          | 300.0          | 4,286.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 400.0                               | 0.00        | 0.00          | 400.0          | 4,186.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 500.0                               | 0.00        | 0.00          | 500.0          | 4,086.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 600.0                               | 0.00        | 0.00          | 600.0          | 3,986.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 700.0                               | 0.00        | 0.00          | 700.0          | 3,886.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 800.0                               | 0.00        | 0.00          | 800.0          | 3,786.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 900.0                               | 0.00        | 0.00          | 900.0          | 3,686.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,000.0                             | 0.00        | 0.00          | 1,000.0        | 3,586.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,100.0                             | 0.00        | 0.00          | 1,100.0        | 3,486.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| 1,200.0                             | 0.00        | 0.00          | 1,200.0        | 3,386.50        | 0.0             | 0.0             | 0.0                           | 0.00                          | 0.00                         | 0.00                        |
| <b>START NUDGE (1.5°/100ft BUR)</b> |             |               |                |                 |                 |                 |                               |                               |                              |                             |
| <b>1,300.0</b>                      | <b>0.00</b> | <b>0.00</b>   | <b>1,300.0</b> | <b>3,286.50</b> | <b>0.0</b>      | <b>0.0</b>      | <b>0.0</b>                    | <b>0.00</b>                   | <b>0.00</b>                  | <b>0.00</b>                 |
| 1,400.0                             | 1.50        | 233.16        | 1,400.0        | 3,186.51        | -0.8            | -1.0            | -1.0                          | 1.50                          | 1.50                         | 0.00                        |
| 1,500.0                             | 3.00        | 233.16        | 1,499.9        | 3,086.59        | -3.1            | -4.2            | -3.9                          | 1.50                          | 1.50                         | 0.00                        |
| 1,600.0                             | 4.50        | 233.16        | 1,599.7        | 2,986.81        | -7.1            | -9.4            | -8.8                          | 1.50                          | 1.50                         | 0.00                        |
| 1,700.0                             | 6.00        | 233.16        | 1,699.3        | 2,887.23        | -12.5           | -16.7           | -15.7                         | 1.50                          | 1.50                         | 0.00                        |
| 1,800.0                             | 7.50        | 233.16        | 1,798.6        | 2,787.93        | -19.6           | -26.2           | -24.6                         | 1.50                          | 1.50                         | 0.00                        |
| <b>EOB TO 7.5° INC</b>              |             |               |                |                 |                 |                 |                               |                               |                              |                             |
| <b>1,800.3</b>                      | <b>7.50</b> | <b>233.16</b> | <b>1,798.8</b> | <b>2,787.66</b> | <b>-19.6</b>    | <b>-26.2</b>    | <b>-24.6</b>                  | <b>1.50</b>                   | <b>1.50</b>                  | <b>0.00</b>                 |
| 1,900.0                             | 7.50        | 233.16        | 1,897.7        | 2,688.78        | -27.4           | -36.6           | -34.4                         | 0.00                          | 0.00                         | 0.00                        |
| 2,000.0                             | 7.50        | 233.16        | 1,996.9        | 2,589.64        | -35.3           | -47.1           | -44.2                         | 0.00                          | 0.00                         | 0.00                        |
| 2,100.0                             | 7.50        | 233.16        | 2,096.0        | 2,490.50        | -43.1           | -57.5           | -54.0                         | 0.00                          | 0.00                         | 0.00                        |
| 2,200.0                             | 7.50        | 233.16        | 2,195.1        | 2,391.35        | -50.9           | -68.0           | -63.8                         | 0.00                          | 0.00                         | 0.00                        |
| 2,300.0                             | 7.50        | 233.16        | 2,294.3        | 2,292.21        | -58.8           | -78.4           | -73.6                         | 0.00                          | 0.00                         | 0.00                        |
| 2,400.0                             | 7.50        | 233.16        | 2,393.4        | 2,193.07        | -66.6           | -88.9           | -83.4                         | 0.00                          | 0.00                         | 0.00                        |
| 2,500.0                             | 7.50        | 233.16        | 2,492.6        | 2,093.92        | -74.4           | -99.3           | -93.3                         | 0.00                          | 0.00                         | 0.00                        |
| 2,600.0                             | 7.50        | 233.16        | 2,591.7        | 1,994.78        | -82.2           | -109.8          | -103.1                        | 0.00                          | 0.00                         | 0.00                        |
| 2,700.0                             | 7.50        | 233.16        | 2,690.9        | 1,895.63        | -90.1           | -120.2          | -112.9                        | 0.00                          | 0.00                         | 0.00                        |
| 2,800.0                             | 7.50        | 233.16        | 2,790.0        | 1,796.49        | -97.9           | -130.7          | -122.7                        | 0.00                          | 0.00                         | 0.00                        |
| 2,900.0                             | 7.50        | 233.16        | 2,889.2        | 1,697.35        | -105.7          | -141.1          | -132.5                        | 0.00                          | 0.00                         | 0.00                        |
| 3,000.0                             | 7.50        | 233.16        | 2,988.3        | 1,598.20        | -113.6          | -151.6          | -142.3                        | 0.00                          | 0.00                         | 0.00                        |
| 3,100.0                             | 7.50        | 233.16        | 3,087.4        | 1,499.06        | -121.4          | -162.0          | -152.1                        | 0.00                          | 0.00                         | 0.00                        |
| 3,200.0                             | 7.50        | 233.16        | 3,186.6        | 1,399.92        | -129.2          | -172.5          | -161.9                        | 0.00                          | 0.00                         | 0.00                        |
| 3,300.0                             | 7.50        | 233.16        | 3,285.7        | 1,300.77        | -137.1          | -182.9          | -171.8                        | 0.00                          | 0.00                         | 0.00                        |
| 3,400.0                             | 7.50        | 233.16        | 3,384.9        | 1,201.63        | -144.9          | -193.4          | -181.6                        | 0.00                          | 0.00                         | 0.00                        |
| 3,500.0                             | 7.50        | 233.16        | 3,484.0        | 1,102.49        | -152.7          | -203.8          | -191.4                        | 0.00                          | 0.00                         | 0.00                        |
| 3,600.0                             | 7.50        | 233.16        | 3,583.2        | 1,003.34        | -160.6          | -214.3          | -201.2                        | 0.00                          | 0.00                         | 0.00                        |
| 3,700.0                             | 7.50        | 233.16        | 3,682.3        | 904.20          | -168.4          | -224.7          | -211.0                        | 0.00                          | 0.00                         | 0.00                        |
| 3,800.0                             | 7.50        | 233.16        | 3,781.4        | 805.06          | -176.2          | -235.2          | -220.8                        | 0.00                          | 0.00                         | 0.00                        |
| 3,900.0                             | 7.50        | 233.16        | 3,880.6        | 705.91          | -184.1          | -245.6          | -230.6                        | 0.00                          | 0.00                         | 0.00                        |
| 4,000.0                             | 7.50        | 233.16        | 3,979.7        | 606.77          | -191.9          | -256.1          | -240.5                        | 0.00                          | 0.00                         | 0.00                        |
| 4,100.0                             | 7.50        | 233.16        | 4,078.9        | 507.62          | -199.7          | -266.5          | -250.3                        | 0.00                          | 0.00                         | 0.00                        |
| 4,200.0                             | 7.50        | 233.16        | 4,178.0        | 408.48          | -207.5          | -277.0          | -260.1                        | 0.00                          | 0.00                         | 0.00                        |
| 4,300.0                             | 7.50        | 233.16        | 4,277.2        | 309.34          | -215.4          | -287.4          | -269.9                        | 0.00                          | 0.00                         | 0.00                        |
| 4,400.0                             | 7.50        | 233.16        | 4,376.3        | 210.19          | -223.2          | -297.9          | -279.7                        | 0.00                          | 0.00                         | 0.00                        |
| 4,500.0                             | 7.50        | 233.16        | 4,475.4        | 111.05          | -231.0          | -308.3          | -289.5                        | 0.00                          | 0.00                         | 0.00                        |
| 4,600.0                             | 7.50        | 233.16        | 4,574.6        | 11.91           | -238.9          | -318.8          | -299.3                        | 0.00                          | 0.00                         | 0.00                        |
| 4,700.0                             | 7.50        | 233.16        | 4,673.7        | -87.24          | -246.7          | -329.2          | -309.1                        | 0.00                          | 0.00                         | 0.00                        |
| 4,800.0                             | 7.50        | 233.16        | 4,772.9        | -186.38         | -254.5          | -339.7          | -319.0                        | 0.00                          | 0.00                         | 0.00                        |
| 4,900.0                             | 7.50        | 233.16        | 4,872.0        | -285.52         | -262.4          | -350.1          | -328.8                        | 0.00                          | 0.00                         | 0.00                        |
| 5,000.0                             | 7.50        | 233.16        | 4,971.2        | -384.67         | -270.2          | -360.6          | -338.6                        | 0.00                          | 0.00                         | 0.00                        |

# Planning Report



|                  |                                 |                                     |  |
|------------------|---------------------------------|-------------------------------------|--|
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| <b>Project:</b>  | WELD COUNTY, COLORADO (NAD 83)  | <b>MD Reference:</b>                | KB-EST @ 4586.5usft (Original Well Elev) |
| <b>Site:</b>     | NW NW SEC. 33 T5N R63W 6th P.M. | <b>North Reference:</b>             | True                                     |
| <b>Well:</b>     | NORTH PLATTE 11-41-33HC         | <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) |
|---|--------------|---------------|----------------|------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 5,100.0   | 7.50         | 233.16        | 5,070.3        | -483.81          | -278.0          | -371.0          | -348.4                        | 0.00                          | 0.00                         | 0.00                        |
| 5,200.0   | 7.50         | 233.16        | 5,169.5        | -582.95          | -285.9          | -381.5          | -358.2                        | 0.00                          | 0.00                         | 0.00                        |
| 5,300.0   | 7.50         | 233.16        | 5,268.6        | -682.10          | -293.7          | -391.9          | -368.0                        | 0.00                          | 0.00                         | 0.00                        |
| 5,400.0   | 7.50         | 233.16        | 5,367.7        | -781.24          | -301.5          | -402.4          | -377.8                        | 0.00                          | 0.00                         | 0.00                        |
| 5,500.0   | 7.50         | 233.16        | 5,466.9        | -880.39          | -309.4          | -412.8          | -387.7                        | 0.00                          | 0.00                         | 0.00                        |
| <b>END OF TANGENT</b>                                   |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>5,524.7</b>  | <b>7.50</b>  | <b>233.16</b> | <b>5,491.4</b> | <b>-904.86</b>   | <b>-311.3</b>   | <b>-415.4</b>   | <b>-390.1</b>                 | <b>0.00</b>                   | <b>0.00</b>                  | <b>0.00</b>                 |
| 5,600.0   | 6.37         | 233.16        | 5,566.1        | -979.62          | -316.7          | -422.7          | -396.9                        | 1.50                          | -1.50                        | 0.00                        |
| 5,700.0   | 4.87         | 233.16        | 5,665.6        | -1,079.14        | -322.6          | -430.5          | -404.3                        | 1.50                          | -1.50                        | 0.00                        |
| 5,800.0   | 3.37         | 233.16        | 5,765.4        | -1,178.88        | -326.9          | -436.3          | -409.7                        | 1.50                          | -1.50                        | 0.00                        |
| 5,900.0   | 1.87         | 233.16        | 5,865.3        | -1,278.77        | -329.7          | -440.0          | -413.1                        | 1.50                          | -1.50                        | 0.00                        |
| 6,000.0   | 0.37         | 233.16        | 5,965.2        | -1,378.75        | -330.9          | -441.5          | -414.6                        | 1.50                          | -1.50                        | 0.00                        |
| <b>EOD TO VERTICAL</b>                                  |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>6,025.0</b>  | <b>0.00</b>  | <b>0.00</b>   | <b>5,990.2</b> | <b>-1,403.70</b> | <b>-330.9</b>   | <b>-441.6</b>   | <b>-414.7</b>                 | <b>1.50</b>                   | <b>-1.50</b>                 | <b>0.00</b>                 |
| <b>KOP (12°/100ft BUR)</b>                              |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>6,055.0</b>  | <b>0.00</b>  | <b>0.00</b>   | <b>6,020.2</b> | <b>-1,433.70</b> | <b>-330.9</b>   | <b>-441.6</b>   | <b>-414.7</b>                 | <b>0.00</b>                   | <b>0.00</b>                  | <b>0.00</b>                 |
| 6,100.0   | 5.41         | 90.11         | 6,065.2        | -1,478.68        | -330.9          | -439.5          | -412.5                        | 12.00                         | 12.00                        | 0.00                        |
| 6,200.0   | 17.41        | 90.11         | 6,163.0        | -1,576.52        | -330.9          | -419.7          | -392.9                        | 12.00                         | 12.00                        | 0.00                        |
| 6,300.0   | 29.41        | 90.11         | 6,254.6        | -1,668.13        | -331.0          | -380.1          | -353.3                        | 12.00                         | 12.00                        | 0.00                        |
| 6,400.0   | 41.41        | 90.11         | 6,336.0        | -1,749.49        | -331.1          | -322.3          | -295.7                        | 12.00                         | 12.00                        | 0.00                        |
| 6,500.0   | 53.41        | 90.11         | 6,403.5        | -1,817.04        | -331.3          | -248.8          | -222.4                        | 12.00                         | 12.00                        | 0.00                        |
| 6,600.0   | 65.41        | 90.11         | 6,454.3        | -1,867.85        | -331.4          | -162.9          | -136.7                        | 12.00                         | 12.00                        | 0.00                        |
| <b>START OF TANGENT</b>                                 |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>6,680.0</b>  | <b>75.00</b> | <b>90.11</b>  | <b>6,481.4</b> | <b>-1,894.90</b> | <b>-331.6</b>   | <b>-87.7</b>    | <b>-61.8</b>                  | <b>12.00</b>                  | <b>12.00</b>                 | <b>0.00</b>                 |
| 6,700.0   | 75.00        | 90.11         | 6,486.6        | -1,900.08        | -331.6          | -68.4           | -42.5                         | 0.00                          | 0.00                         | 0.00                        |
| <b>END OF TANGENT</b>                                   |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>6,780.0</b>  | <b>75.00</b> | <b>90.11</b>  | <b>6,507.3</b> | <b>-1,920.78</b> | <b>-331.8</b>   | <b>8.9</b>      | <b>34.5</b>                   | <b>0.00</b>                   | <b>0.00</b>                  | <b>0.00</b>                 |
| 6,800.0   | 77.41        | 90.11         | 6,512.1        | -1,925.56        | -331.8          | 28.3            | 53.9                          | 12.00                         | 12.00                        | 0.00                        |
| 6,900.0   | 89.41        | 90.11         | 6,523.5        | -1,937.02        | -332.0          | 127.5           | 152.8                         | 12.00                         | 12.00                        | 0.00                        |
| <b>ICP *NEW*: 714ft FNL &amp; 589.1ft FWL of Sec 33</b> |              |               |                |                  |                 |                 |                               |                               |                              |                             |
| <b>6,905.0</b>  | <b>90.00</b> | <b>90.11</b>  | <b>6,523.5</b> | <b>-1,937.05</b> | <b>-332.0</b>   | <b>132.5</b>    | <b>157.8</b>                  | <b>12.00</b>                  | <b>12.00</b>                 | <b>0.00</b>                 |
| 7,000.0   | 90.00        | 90.11         | 6,523.5        | -1,937.05        | -332.2          | 227.5           | 252.5                         | 0.00                          | 0.00                         | 0.00                        |
| 7,100.0   | 90.00        | 90.11         | 6,523.5        | -1,937.05        | -332.4          | 327.5           | 352.2                         | 0.00                          | 0.00                         | 0.00                        |
| 7,200.0   | 90.00        | 90.11         | 6,523.5        | -1,937.05        | -332.6          | 427.5           | 452.0                         | 0.00                          | 0.00                         | 0.00                        |
| 7,300.0   | 90.00        | 90.11         | 6,523.5        | -1,937.05        | -332.8          | 527.5           | 551.7                         | 0.00                          | 0.00                         | 0.00                        |
| 7,400.0   | 90.00        | 90.11         | 6,523.5        | -1,937.05        | -333.0          | 627.5           | 651.4                         | 0.00                          | 0.00                         | 0.00                        |
| 7,500.0   | 90.00        | 90.11         | 6,523.5        | -1,937.05        | -333.1          | 727.5           | 751.1                         | 0.00                          | 0.00                         | 0.00                        |
| 7,600.0   | 90.00        | 90.11         | 6,523.5        | -1,937.05        | -333.3          | 827.5           | 850.8                         | 0.00                          | 0.00                         | 0.00                        |
| 7,700.0   | 90.00        | 90.11         | 6,523.5        | -1,937.05        | -333.5          | 927.5           | 950.5                         | 0.00                          | 0.00                         | 0.00                        |
| 7,800.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -333.7          | 1,027.5         | 1,050.2                       | 0.00                          | 0.00                         | 0.00                        |
| 7,900.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -333.9          | 1,127.5         | 1,150.0                       | 0.00                          | 0.00                         | 0.00                        |
| 8,000.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -334.1          | 1,227.5         | 1,249.7                       | 0.00                          | 0.00                         | 0.00                        |
| 8,100.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -334.3          | 1,327.5         | 1,349.4                       | 0.00                          | 0.00                         | 0.00                        |
| 8,200.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -334.5          | 1,427.5         | 1,449.1                       | 0.00                          | 0.00                         | 0.00                        |
| 8,300.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -334.7          | 1,527.5         | 1,548.8                       | 0.00                          | 0.00                         | 0.00                        |
| 8,400.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -334.9          | 1,627.5         | 1,648.5                       | 0.00                          | 0.00                         | 0.00                        |
| 8,500.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -335.1          | 1,727.5         | 1,748.3                       | 0.00                          | 0.00                         | 0.00                        |
| 8,600.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -335.3          | 1,827.5         | 1,848.0                       | 0.00                          | 0.00                         | 0.00                        |
| 8,700.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -335.5          | 1,927.5         | 1,947.7                       | 0.00                          | 0.00                         | 0.00                        |
| 8,800.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -335.7          | 2,027.5         | 2,047.4                       | 0.00                          | 0.00                         | 0.00                        |
| 8,900.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -335.8          | 2,127.5         | 2,147.1                       | 0.00                          | 0.00                         | 0.00                        |
| 9,000.0   | 90.00        | 90.11         | 6,523.5        | -1,937.04        | -336.0          | 2,227.5         | 2,246.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,100.0   | 90.00        | 90.11         | 6,523.5        | -1,937.03        | -336.2          | 2,327.5         | 2,346.5                       | 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 11-41-33HC             |
| <b>Company:</b>  | BONANZA CREEK ENERGY INC.       | <b>TVD Reference:</b>               | KB-EST @ 4586.5usft (Original Well Elev) |
| <b>Project:</b>  | WELD COUNTY, COLORADO (NAD 83)  | <b>MD Reference:</b>                | KB-EST @ 4586.5usft (Original Well Elev) |
| <b>Site:</b>     | NW NW SEC. 33 T5N R63W 6th P.M. | <b>North Reference:</b>             | True                                     |
| <b>Well:</b>     | NORTH PLATTE 11-41-33HC         | <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) |
| 9,200.0   | 90.00        | 90.11        | 6,523.5        | -1,937.03        | -336.4          | 2,427.5         | 2,446.3                       | 0.00                          | 0.00                         | 0.00                        |
| 9,300.0   | 90.00        | 90.11        | 6,523.5        | -1,937.03        | -336.6          | 2,527.5         | 2,546.0                       | 0.00                          | 0.00                         | 0.00                        |
| 9,400.0   | 90.00        | 90.11        | 6,523.5        | -1,937.03        | -336.8          | 2,627.5         | 2,645.7                       | 0.00                          | 0.00                         | 0.00                        |
| 9,500.0   | 90.00        | 90.11        | 6,523.5        | -1,937.03        | -337.0          | 2,727.5         | 2,745.4                       | 0.00                          | 0.00                         | 0.00                        |
| 9,600.0   | 90.00        | 90.11        | 6,523.5        | -1,937.03        | -337.2          | 2,827.5         | 2,845.1                       | 0.00                          | 0.00                         | 0.00                        |
| 9,700.0   | 90.00        | 90.11        | 6,523.5        | -1,937.03        | -337.4          | 2,927.5         | 2,944.8                       | 0.00                          | 0.00                         | 0.00                        |
| 9,800.0   | 90.00        | 90.11        | 6,523.5        | -1,937.03        | -337.6          | 3,027.5         | 3,044.5                       | 0.00                          | 0.00                         | 0.00                        |
| 9,900.0   | 90.00        | 90.11        | 6,523.5        | -1,937.02        | -337.8          | 3,127.5         | 3,144.3                       | 0.00                          | 0.00                         | 0.00                        |
| 10,000.0  | 90.00        | 90.11        | 6,523.5        | -1,937.02        | -338.0          | 3,227.5         | 3,244.0                       | 0.00                          | 0.00                         | 0.00                        |
| 10,100.0  | 90.00        | 90.11        | 6,523.5        | -1,937.02        | -338.2          | 3,327.5         | 3,343.7                       | 0.00                          | 0.00                         | 0.00                        |
| 10,200.0  | 90.00        | 90.11        | 6,523.5        | -1,937.02        | -338.4          | 3,427.5         | 3,443.4                       | 0.00                          | 0.00                         | 0.00                        |
| 10,300.0  | 90.00        | 90.11        | 6,523.5        | -1,937.02        | -338.6          | 3,527.5         | 3,543.1                       | 0.00                          | 0.00                         | 0.00                        |
| 10,400.0  | 90.00        | 90.11        | 6,523.5        | -1,937.02        | -338.8          | 3,627.5         | 3,642.8                       | 0.00                          | 0.00                         | 0.00                        |
| 10,500.0  | 90.00        | 90.11        | 6,523.5        | -1,937.01        | -339.0          | 3,727.5         | 3,742.5                       | 0.00                          | 0.00                         | 0.00                        |
| 10,600.0  | 90.00        | 90.11        | 6,523.5        | -1,937.01        | -339.1          | 3,827.5         | 3,842.3                       | 0.00                          | 0.00                         | 0.00                        |
| 10,700.0  | 90.00        | 90.11        | 6,523.5        | -1,937.01        | -339.3          | 3,927.5         | 3,942.0                       | 0.00                          | 0.00                         | 0.00                        |
| 10,800.0  | 90.00        | 90.11        | 6,523.5        | -1,937.01        | -339.5          | 4,027.5         | 4,041.7                       | 0.00                          | 0.00                         | 0.00                        |
| 10,900.0  | 90.00        | 90.11        | 6,523.5        | -1,937.01        | -339.7          | 4,127.5         | 4,141.4                       | 0.00                          | 0.00                         | 0.00                        |
| 11,000.0  | 90.00        | 90.11        | 6,523.5        | -1,937.00        | -339.9          | 4,227.5         | 4,241.1                       | 0.00                          | 0.00                         | 0.00                        |
| 11,100.0  | 90.00        | 90.11        | 6,523.5        | -1,937.00        | -340.1          | 4,327.5         | 4,340.8                       | 0.00                          | 0.00                         | 0.00                        |
| <b>BHL: 710ft FNL &amp; 470ft FWL of Sec 33</b> |              |              |                |                  |                 |                 |                               |                               |                              |                             |
| <b>11,154.8</b>                                 | <b>90.00</b> | <b>90.11</b> | <b>6,523.5</b> | <b>-1,937.00</b> | <b>-340.2</b>   | <b>4,382.3</b>  | <b>4,395.4</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) |  |
| 1,300.0          | 1,300.0       | 0.0               | 0.0             | START NUDGE (1.5°/100ft BUR)                 |
| 1,800.3          | 1,798.8       | -19.6             | -26.2           | EOB TO 7.5° INC                              |
| 5,524.7          | 5,491.4       | -311.3            | -415.4          | END OF TANGENT                               |
| 6,025.0          | 5,990.2       | -330.9            | -441.6          | EOD TO VERTICAL                              |
| 6,055.0          | 6,020.2       | -330.9            | -441.6          | KOP (12°/100ft BUR)                          |
| 6,680.0          | 6,481.4       | -331.6            | -87.7           | START OF TANGENT                             |
| 6,780.0          | 6,507.3       | -331.8            | 8.9             | END OF TANGENT                               |
| 6,905.0          | 6,523.5       | -332.0            | 132.5           | ICP *NEW*: 714ft FNL & 589.1ft FWL of Sec 33 |
| 11,154.8         | 6,523.5       | -340.2            | 4,382.3         | BHL: 710ft FNL & 470ft FWL of Sec 33         |