

# **BONANZA CREEK ENERGY**

**WELD COUNTY**

**SEC 31-T5N-R62W**

**ORIGAMI STATE A-O31 6S-10-03**

**OWB**

**Design: FINAL SURVEY**

## **Standard Survey Report**

**27 June, 2025**

Project: WELD COUNTY  
 Site: SEC 31-T5N-R62W  
 Well: ORIGAMI STATE A-O31 6S-10-03  
 Wellbore: OWB  
 Design: FINAL SURVEY

PROJECT DETAILS: WELD COUNTY  
 Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: Colorado Northern Zone  
 System Datum: Mean Sea Level



Azimuths to True North  
 Magnetic North: 7.21°  
 Magnetic Field  
 Strength: 51546.9nT  
 Dip Angle: 66.50°  
 Date: 6/23/2025  
 Model: IGRF2020

WELL DETAILS: ORIGAMI STATE A-O31 6S-10-03

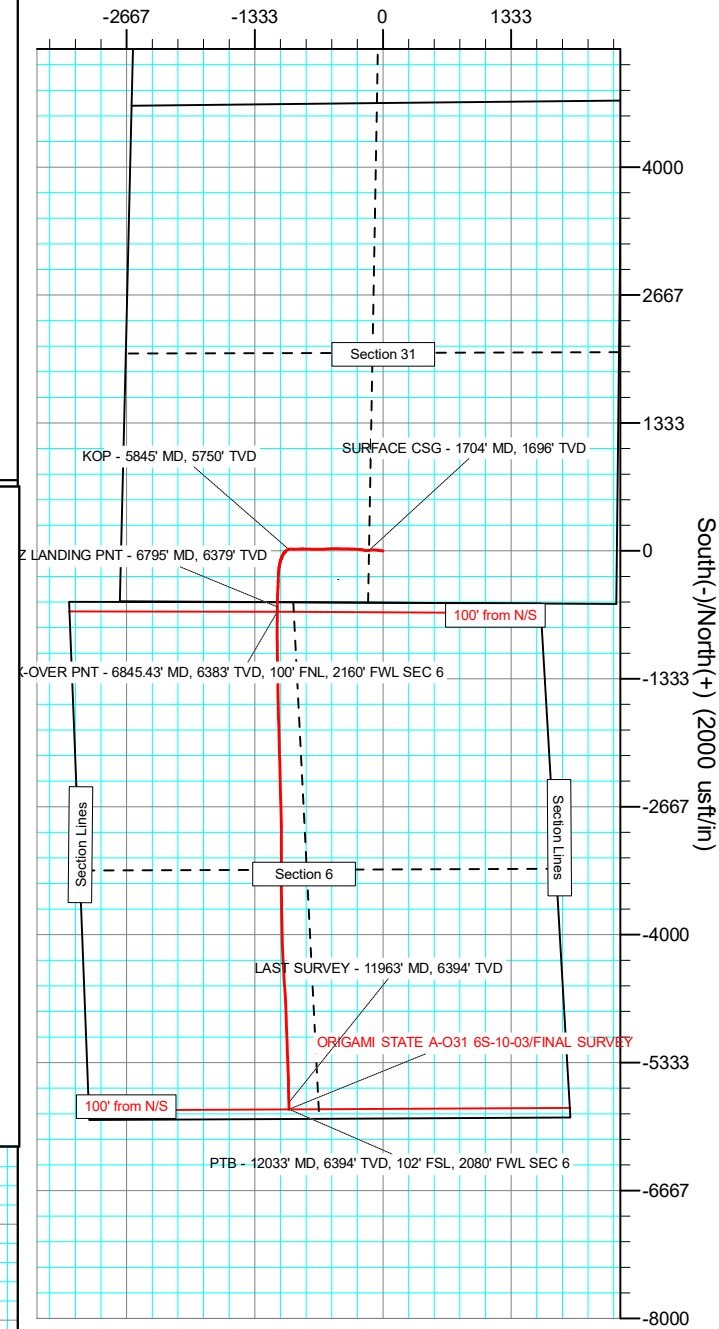
|       |       |            |            |         |             |              |      |
|-------|-------|------------|------------|---------|-------------|--------------|------|
| +N/-S | +E/-W | Northing   | Easting    | 4553.00 | Latitude    | Longitude    | Slot |
| 0.00  | 0.00  | 1372564.24 | 3316100.20 |         | 40.350541°N | 104.365829°W |      |

ANNOTATIONS

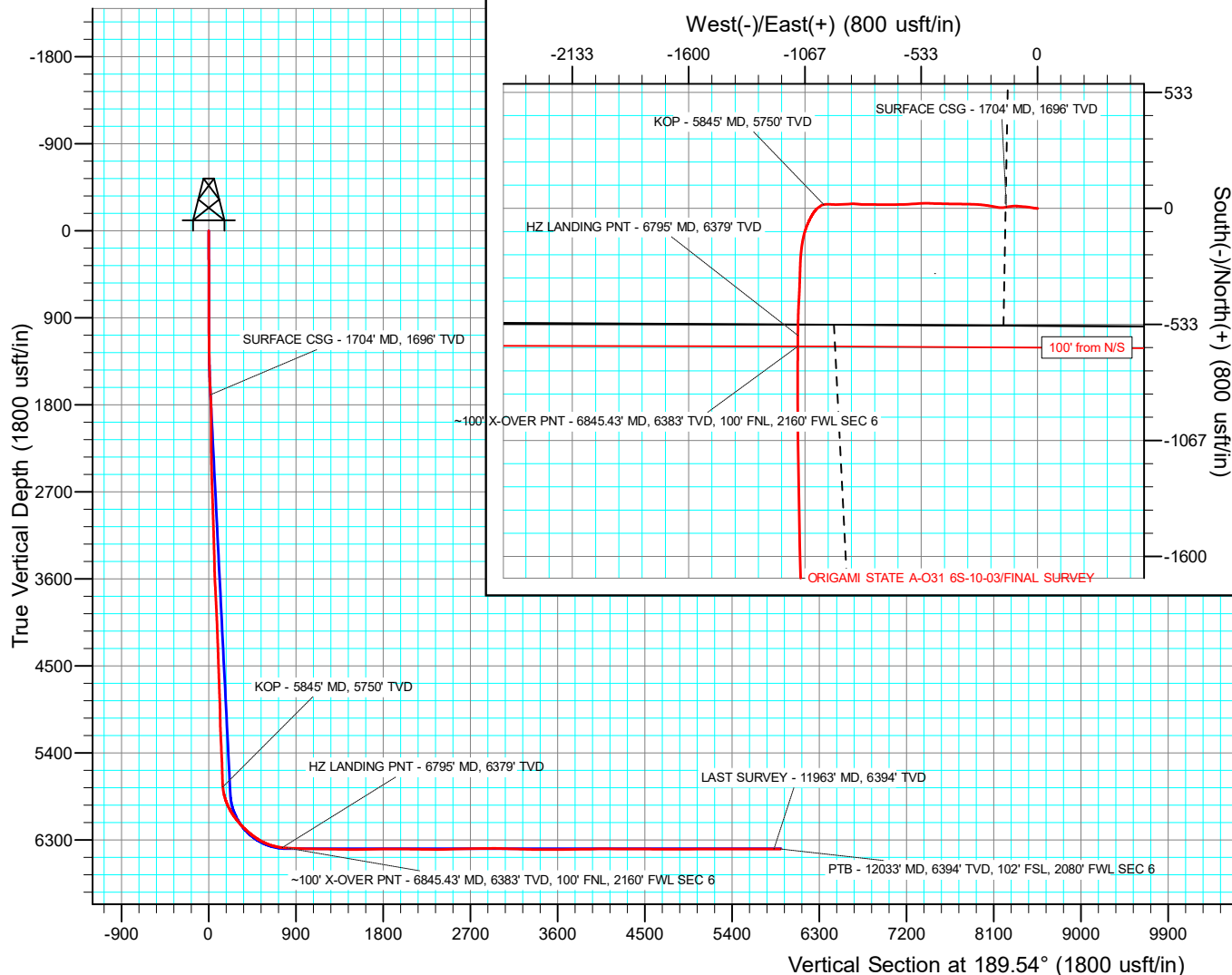
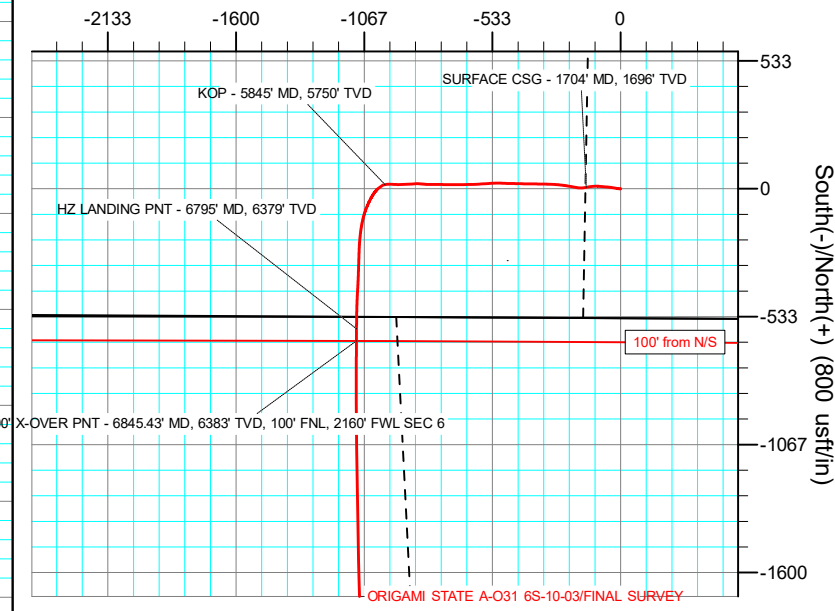
| MD       | Inc   | Azi    | TVD     | +N/-S    | +E/-W    | VSec    | Departure | Annotation   |
|----------|-------|--------|---------|----------|----------|---------|-----------|--|
| 1704.00  | 8.78  | 261.44 | 1695.95 | 6.15     | -143.07  | 17.65   | 144.07    | SURFACE CSG - 1704' MD, 1696' TVD                                    |
| 5845.00  | 13.58 | 256.55 | 5750.07 | 17.76    | -980.76  | 145.03  | 984.61    | KOP - 5845' MD, 5750' TVD  |
| 6795.00  | 83.56 | 180.37 | 6378.67 | -583.60  | -1098.93 | 757.67  | 1621.10   | HZ LANDING PNT - 6795' MD, 6379' TVD                                 |
| 6845.43  | 86.38 | 180.24 | 6382.71 | -633.86  | -1099.10 | 807.26  | 1671.19   | ~100' X-OVER PNT - 6845.43' MD, 6383' TVD, 100' FNL, 2160' FWL SEC 6 |
| 11963.00 | 89.97 | 178.90 | 6393.80 | -5748.56 | -979.22  | 5831.36 | 6788.00   | LAST SURVEY - 11963' MD, 6394' TVD                                   |
| 12033.00 | 89.97 | 178.90 | 6393.83 | -5818.55 | -977.88  | 5900.15 | 6858.00   | PTB - 12033' MD, 6394' TVD, 102' FSL, 2080' FWL SEC 6                |

SHL:  
 540' FSL, 2433' FEL  
 Sec 31-T5N-R62W  
 ~100' TPZ X-OVER PNT:  
 100' FNL, 2160' FWL  
 Sec 6-T5N-R62W  
 ~100' BHL X-OVER PNT:  
 102' FSL, 2060' FWL  
 Sec 6-T5N-R62W

West(-)/East(+) (2000 usft/in)



West(-)/East(+) (800 usft/in)



Vertical Section at 189.54° (1800 usft/in)

# Civitas Resources

## Survey Report

|   |   |
|---|---|
| <b>Company:</b> BONANZA CREEK ENERGY      | <b>Local Co-ordinate Reference:</b> Well ORIGAMI STATE A-O31 6S-10-03 |
| <b>Project:</b> WELD COUNTY               | <b>TVD Reference:</b> KB 25' @ 4578.00usft                            |
| <b>Site:</b> SEC 31-T5N-R62W              | <b>MD Reference:</b> KB 25' @ 4578.00usft                             |
| <b>Well:</b> ORIGAMI STATE A-O31 6S-10-03 | <b>North Reference:</b> True  |
| <b>Wellbore:</b> OWB                      | <b>Survey Calculation Method:</b> Minimum Curvature                   |
| <b>Design:</b> FINAL SURVEY               | <b>Database:</b> EDM  |

|   |                                     |  |
|---|-------------------------------------|--|
| <b>Project</b> WELD COUNTY                  |                                     |  |
| <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> SEC 31-T5N-R62W            |                                    |                                 |  |
| <b>Site Position:</b>                  | <b>Northing:</b> 1,377,287.48 usft | <b>Latitude:</b> 40.363420°N    |  |
| <b>From:</b> Lat/Long                  | <b>Easting:</b> 3,318,522.58 usft  | <b>Longitude:</b> 104.356920°W  |  |
| <b>Position Uncertainty:</b> 0.00 usft | <b>Slot Radius:</b> 13.200 in      | <b>Grid Convergence:</b> 0.74 ° |  |

|  |                        |                                    |                                    |  |  |
|--|------------------------|------------------------------------|------------------------------------|--|--|
| <b>Well</b> ORIGAMI STATE A-O31 6S-10-03 |                        |                                    |                                    |  |  |
| <b>Well Position</b>                     | <b>+N/-S</b> 0.00 usft | <b>Northing:</b> 1,372,564.24 usft | <b>Latitude:</b> 40.350541°N       |  |  |
|  | <b>+E/-W</b> 0.00 usft | <b>Easting:</b> 3,316,100.21 usft  | <b>Longitude:</b> 104.365829°W     |  |  |
| <b>Position Uncertainty</b>              | 0.00 usft              | <b>Wellhead Elevation:</b> usft    | <b>Ground Level:</b> 4,553.00 usft |  |  |

|                     |                   |                    |                        |                      |                            |
|---------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b> OWB |                   |                    |                        |                      |                            |
| <b>Magnetics</b>    | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                     | IGRF2020          | 6/23/2025          | 7.21                   | 66.50                | 51,546.90259373            |

|                            |                                |                           |                     |                      |  |
|----------------------------|--------------------------------|---------------------------|---------------------|----------------------|--|
| <b>Design</b> FINAL SURVEY |                                |                           |                     |                      |  |
| <b>Audit Notes:</b>        |                                |                           |                     |                      |  |
| <b>Version:</b> 1.0        | <b>Phase:</b> ACTUAL           | <b>Tie On Depth:</b> 0.00 |                     |                      |  |
| <b>Vertical Section:</b>   | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b>       | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |  |
|                            | 0.00                           | 0.00                      | 0.00                | 189.54               |  |

|                       |                  |                          |
|-----------------------|------------------|--------------------------|
| <b>Survey Program</b> |                  | <b>Date</b> 6/27/2025    |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> |
| 124.00                | 1,614.00         | SURFACE SURVEY (OWB)     |
| 1,801.00              | 12,033.00        | FINAL SURVEY (OWB)       |
|                       |                  | <b>Tool Name</b>         |
|                       |                  | MWD OWSG                 |
|                       |                  | <b>Description</b>       |
|                       |                  | OWSG MWD - Standard      |
|                       |                  | OWSG MWD - Standard      |

| <b>Survey</b>         |                 |             |                       |              |              |                         |                       |                      |                     |      |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |      |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                  | 0.00                 | 0.00                | 0.00 |
| 124.00                | 0.18            | 213.67      | 124.00                | -0.16        | -0.11        | 0.18                    | 0.15                  | 0.15                 | 0.00                |      |
| 215.00                | 0.22            | 271.05      | 215.00                | -0.28        | -0.36        | 0.33                    | 0.21                  | 0.04                 | 63.05               |      |
| 305.00                | 0.97            | 259.46      | 304.99                | -0.41        | -1.28        | 0.62                    | 0.84                  | 0.83                 | -12.88              |      |
| 394.00                | 2.12            | 277.66      | 393.96                | -0.33        | -3.66        | 0.93                    | 1.39                  | 1.29                 | 20.45               |      |
| 484.00                | 3.36            | 277.57      | 483.86                | 0.24         | -7.92        | 1.08                    | 1.38                  | 1.38                 | -0.10               |      |
| 578.00                | 5.04            | 278.76      | 577.60                | 1.23         | -14.73       | 1.23                    | 1.79                  | 1.79                 | 1.27                |      |
| 672.00                | 5.57            | 280.48      | 671.20                | 2.69         | -23.30       | 1.21                    | 0.59                  | 0.56                 | 1.83                |      |
| 766.00                | 5.52            | 279.20      | 764.76                | 4.24         | -32.25       | 1.16                    | 0.14                  | -0.05                | -1.36               |      |
| 861.00                | 5.26            | 277.48      | 859.34                | 5.54         | -41.08       | 1.35                    | 0.32                  | -0.27                | -1.81               |      |

# Civitas Resources

## Survey Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | BONANZA CREEK ENERGY         | <b>Local Co-ordinate Reference:</b> | Well ORIGAMI STATE A-O31 6S-10-03 |
| <b>Project:</b>  | WELD COUNTY                  | <b>TVD Reference:</b>               | KB 25' @ 4578.00usft              |
| <b>Site:</b>     | SEC 31-T5N-R62W              | <b>MD Reference:</b>                | KB 25' @ 4578.00usft              |
| <b>Well:</b>     | ORIGAMI STATE A-O31 6S-10-03 | <b>North Reference:</b>             | True                              |
| <b>Wellbore:</b> | OWB                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Design:</b>   | FINAL SURVEY                 | <b>Database:</b>                    | EDM                               |

| Survey                                   |                 |             |                       |              |              |                         |                       |                      |                     |  |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft)                    | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 955.00                                   | 6.41            | 277.08      | 952.85                | 6.75         | -50.56       | 1.73                    | 1.22                  | 1.22                 | -0.43               |  |
| 1,049.00                                 | 6.23            | 274.53      | 1,046.28              | 7.79         | -60.85       | 2.40                    | 0.35                  | -0.19                | -2.71               |  |
| 1,143.00                                 | 6.27            | 274.31      | 1,139.72              | 8.58         | -71.05       | 3.31                    | 0.05                  | 0.04                 | -0.23               |  |
| 1,237.00                                 | 6.36            | 275.28      | 1,233.15              | 9.45         | -81.35       | 4.17                    | 0.15                  | 0.10                 | 1.03                |  |
| 1,331.00                                 | 6.41            | 274.26      | 1,326.57              | 10.32        | -91.77       | 5.04                    | 0.13                  | 0.05                 | -1.09               |  |
| 1,425.00                                 | 7.73            | 268.18      | 1,419.85              | 10.51        | -103.32      | 6.76                    | 1.61                  | 1.40                 | -6.47               |  |
| 1,519.00                                 | 7.51            | 265.10      | 1,513.02              | 9.78         | -115.76      | 9.54                    | 0.49                  | -0.23                | -3.28               |  |
| 1,614.00                                 | 9.01            | 261.75      | 1,607.03              | 8.18         | -129.31      | 13.36                   | 1.66                  | 1.58                 | -3.53               |  |
| 1,704.00                                 | 8.78            | 261.44      | 1,695.95              | 6.15         | -143.07      | 17.65                   | 0.26                  | -0.26                | -0.34               |  |
| <b>SURFACE CSG - 1704' MD, 1696' TVD</b> |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 1,801.00                                 | 8.53            | 261.09      | 1,791.85              | 3.93         | -157.50      | 22.22                   | 0.26                  | -0.26                | -0.36               |  |
| 1,895.00                                 | 9.50            | 274.79      | 1,884.69              | 3.50         | -172.12      | 25.07                   | 2.50                  | 1.03                 | 14.57               |  |
| 1,989.00                                 | 10.56           | 280.74      | 1,977.26              | 5.75         | -188.31      | 25.54                   | 1.58                  | 1.13                 | 6.33                |  |
| 2,083.00                                 | 10.47           | 280.26      | 2,069.68              | 8.88         | -205.18      | 25.25                   | 0.13                  | -0.10                | -0.51               |  |
| 2,177.00                                 | 9.81            | 280.21      | 2,162.21              | 11.82        | -221.47      | 25.05                   | 0.70                  | -0.70                | -0.05               |  |
| 2,270.00                                 | 11.45           | 276.95      | 2,253.61              | 14.34        | -238.43      | 25.37                   | 1.88                  | 1.76                 | -3.51               |  |
| 2,365.00                                 | 10.87           | 275.85      | 2,346.82              | 16.40        | -256.70      | 26.37                   | 0.65                  | -0.61                | -1.16               |  |
| 2,459.00                                 | 11.84           | 272.90      | 2,438.98              | 17.79        | -275.15      | 28.06                   | 1.20                  | 1.03                 | -3.14               |  |
| 2,552.00                                 | 11.27           | 272.81      | 2,530.09              | 18.72        | -293.75      | 30.23                   | 0.61                  | -0.61                | -0.10               |  |
| 2,647.00                                 | 13.52           | 270.91      | 2,622.87              | 19.35        | -314.13      | 32.98                   | 2.41                  | 2.37                 | -2.00               |  |
| 2,740.00                                 | 14.10           | 271.22      | 2,713.18              | 19.76        | -336.33      | 36.25                   | 0.63                  | 0.62                 | 0.33                |  |
| 2,835.00                                 | 13.26           | 271.09      | 2,805.49              | 20.22        | -358.79      | 39.53                   | 0.88                  | -0.88                | -0.14               |  |
| 2,929.00                                 | 12.42           | 270.69      | 2,897.14              | 20.54        | -379.68      | 42.67                   | 0.90                  | -0.89                | -0.43               |  |
| 3,060.00                                 | 11.27           | 270.39      | 3,025.34              | 20.80        | -406.56      | 46.87                   | 0.88                  | -0.88                | -0.23               |  |
| 3,154.00                                 | 11.93           | 271.88      | 3,117.42              | 21.18        | -425.46      | 49.63                   | 0.77                  | 0.70                 | 1.59                |  |
| 3,249.00                                 | 11.36           | 271.75      | 3,210.47              | 21.79        | -444.63      | 52.20                   | 0.60                  | -0.60                | -0.14               |  |
| 3,344.00                                 | 10.52           | 270.61      | 3,303.74              | 22.17        | -462.65      | 54.82                   | 0.91                  | -0.88                | -1.20               |  |
| 3,439.00                                 | 10.25           | 271.22      | 3,397.18              | 22.44        | -479.77      | 57.39                   | 0.31                  | -0.28                | 0.64                |  |
| 3,533.00                                 | 11.27           | 275.67      | 3,489.53              | 23.52        | -497.28      | 59.22                   | 1.40                  | 1.09                 | 4.73                |  |
| 3,628.00                                 | 12.42           | 267.17      | 3,582.51              | 23.94        | -516.72      | 62.03                   | 2.20                  | 1.21                 | -8.95               |  |
| 3,723.00                                 | 12.55           | 266.29      | 3,675.27              | 22.77        | -537.22      | 66.59                   | 0.24                  | 0.14                 | -0.93               |  |
| 3,817.00                                 | 11.93           | 266.24      | 3,767.13              | 21.47        | -557.11      | 71.16                   | 0.66                  | -0.66                | -0.05               |  |
| 3,912.00                                 | 11.45           | 265.94      | 3,860.16              | 20.16        | -576.31      | 75.64                   | 0.51                  | -0.51                | -0.32               |  |
| 4,007.00                                 | 11.05           | 265.67      | 3,953.33              | 18.80        | -594.80      | 80.04                   | 0.42                  | -0.42                | -0.28               |  |
| 4,102.00                                 | 12.33           | 269.33      | 4,046.36              | 17.99        | -614.02      | 84.02                   | 1.56                  | 1.35                 | 3.85                |  |
| 4,196.00                                 | 12.06           | 268.98      | 4,138.24              | 17.70        | -633.87      | 87.60                   | 0.30                  | -0.29                | -0.37               |  |
| 4,291.00                                 | 11.67           | 268.14      | 4,231.21              | 17.21        | -653.40      | 91.32                   | 0.45                  | -0.41                | -0.88               |  |
| 4,385.00                                 | 11.09           | 269.95      | 4,323.36              | 16.90        | -671.94      | 94.70                   | 0.72                  | -0.62                | 1.93                |  |
| 4,480.00                                 | 11.89           | 270.96      | 4,416.46              | 17.05        | -690.86      | 97.68                   | 0.87                  | 0.84                 | 1.06                |  |
| 4,574.00                                 | 11.67           | 269.24      | 4,508.48              | 17.09        | -710.05      | 100.83                  | 0.44                  | -0.23                | -1.83               |  |
| 4,669.00                                 | 13.92           | 271.97      | 4,601.12              | 17.35        | -731.08      | 104.05                  | 2.45                  | 2.37                 | 2.87                |  |
| 4,764.00                                 | 13.61           | 271.58      | 4,693.39              | 18.06        | -753.68      | 107.11                  | 0.34                  | -0.33                | -0.41               |  |
| 4,858.00                                 | 12.86           | 269.90      | 4,784.89              | 18.34        | -775.19      | 110.39                  | 0.90                  | -0.80                | -1.79               |  |

# Civitas Resources

## Survey Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | BONANZA CREEK ENERGY         | <b>Local Co-ordinate Reference:</b> | Well ORIGAMI STATE A-O31 6S-10-03 |
| <b>Project:</b>  | WELD COUNTY                  | <b>TVD Reference:</b>               | KB 25' @ 4578.00usft              |
| <b>Site:</b>     | SEC 31-T5N-R62W              | <b>MD Reference:</b>                | KB 25' @ 4578.00usft              |
| <b>Well:</b>     | ORIGAMI STATE A-O31 6S-10-03 | <b>North Reference:</b>             | True                              |
| <b>Wellbore:</b> | OWB                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Design:</b>   | FINAL SURVEY                 | <b>Database:</b>                    | EDM                               |

| Survey  |                 |             |                       |              |              |                         |                       |                      |                     |  |
|---|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft)   | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 4,953.00  | 10.96           | 268.36      | 4,877.84              | 18.07        | -794.79      | 113.91                  | 2.03                  | -2.00                | -1.62               |  |
| 5,048.00  | 12.20           | 275.50      | 4,970.91              | 18.77        | -813.81      | 116.37                  | 1.99                  | 1.31                 | 7.52                |  |
| 5,142.00  | 10.25           | 274.75      | 5,063.11              | 20.41        | -832.04      | 117.77                  | 2.08                  | -2.07                | -0.80               |  |
| 5,236.00  | 11.18           | 268.80      | 5,155.47              | 20.92        | -849.48      | 120.16                  | 1.54                  | 0.99                 | -6.33               |  |
| 5,330.00  | 12.24           | 265.80      | 5,247.51              | 20.00        | -868.53      | 124.23                  | 1.30                  | 1.13                 | -3.19               |  |
| 5,424.00  | 12.15           | 267.30      | 5,339.39              | 18.80        | -888.35      | 128.69                  | 0.35                  | -0.10                | 1.60                |  |
| 5,518.00  | 11.98           | 266.51      | 5,431.32              | 17.74        | -907.97      | 132.99                  | 0.25                  | -0.18                | -0.84               |  |
| 5,613.00  | 13.04           | 272.02      | 5,524.06              | 17.52        | -928.52      | 136.62                  | 1.68                  | 1.12                 | 5.80                |  |
| 5,707.00  | 13.26           | 273.69      | 5,615.60              | 18.58        | -949.88      | 139.10                  | 0.47                  | 0.23                 | 1.78                |  |
| 5,801.00  | 12.64           | 268.80      | 5,707.21              | 19.06        | -970.92      | 142.12                  | 1.34                  | -0.66                | -5.20               |  |
| 5,845.00  | 13.58           | 256.55      | 5,750.07              | 17.76        | -980.76      | 145.03                  | 6.66                  | 2.14                 | -27.85              |  |
| <b>KOP - 5845' MD, 5750' TVD</b>  |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 5,879.00  | 14.67           | 248.40      | 5,783.05              | 15.25        | -988.65      | 148.82                  | 6.66                  | 3.19                 | -23.96              |  |
| 5,973.00  | 21.34           | 224.91      | 5,872.51              | -1.29        | -1,011.85    | 168.97                  | 10.36                 | 7.10                 | -24.99              |  |
| 6,067.00  | 27.26           | 209.88      | 5,958.22              | -32.12       | -1,034.69    | 203.17                  | 9.06                  | 6.30                 | -15.99              |  |
| 6,160.00  | 34.38           | 202.96      | 6,038.06              | -74.84       | -1,055.57    | 248.75                  | 8.54                  | 7.66                 | -7.44               |  |
| 6,254.00  | 40.48           | 193.00      | 6,112.74              | -129.11      | -1,072.82    | 305.13                  | 9.13                  | 6.49                 | -10.60              |  |
| 6,349.00  | 46.35           | 186.13      | 6,181.76              | -193.42      | -1,083.45    | 370.31                  | 7.92                  | 6.18                 | -7.23               |  |
| 6,442.00  | 51.35           | 181.90      | 6,242.95              | -263.23      | -1,088.25    | 439.95                  | 6.37                  | 5.38                 | -4.55               |  |
| 6,536.00  | 58.73           | 181.77      | 6,296.78              | -340.17      | -1,090.71    | 516.24                  | 7.85                  | 7.85                 | -0.14               |  |
| 6,631.00  | 68.36           | 183.31      | 6,339.05              | -425.04      | -1,094.52    | 600.56                  | 10.24                 | 10.14                | 1.62                |  |
| 6,725.00  | 77.11           | 181.19      | 6,366.93              | -514.64      | -1,098.00    | 689.50                  | 9.55                  | 9.31                 | -2.26               |  |
| 6,795.00  | 83.56           | 180.37      | 6,378.67              | -583.60      | -1,098.93    | 757.67                  | 9.28                  | 9.21                 | -1.18               |  |
| <b>HZ LANDING PNT - 6795' MD, 6379' TVD</b>                                 |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 6,819.00  | 85.77           | 180.09      | 6,380.90              | -607.50      | -1,099.03    | 781.25                  | 9.28                  | 9.21                 | -1.15               |  |
| 6,845.43  | 86.38           | 180.24      | 6,382.71              | -633.86      | -1,099.10    | 807.26                  | 2.39                  | 2.33                 | 0.56                |  |
| <b>-100' X-OVER PNT - 6845.43' MD, 6383' TVD, 100' FNL, 2160' FWL SEC 6</b> |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 6,914.00  | 87.98           | 180.62      | 6,386.08              | -702.35      | -1,099.62    | 874.88                  | 2.39                  | 2.33                 | 0.56                |  |
| 7,009.00  | 87.67           | 180.18      | 6,389.69              | -797.28      | -1,100.28    | 968.61                  | 0.57                  | -0.33                | -0.46               |  |
| 7,103.00  | 89.62           | 179.78      | 6,391.91              | -891.25      | -1,100.25    | 1,061.27                | 2.12                  | 2.07                 | -0.43               |  |
| 7,198.00  | 89.53           | 179.30      | 6,392.61              | -986.24      | -1,099.48    | 1,154.83                | 0.51                  | -0.09                | -0.51               |  |
| 7,292.00  | 88.69           | 179.21      | 6,394.08              | -1,080.22    | -1,098.26    | 1,247.30                | 0.90                  | -0.89                | -0.10               |  |
| 7,386.00  | 88.82           | 179.03      | 6,396.12              | -1,174.19    | -1,096.82    | 1,339.73                | 0.24                  | 0.14                 | -0.19               |  |
| 7,481.00  | 88.64           | 179.12      | 6,398.22              | -1,269.15    | -1,095.29    | 1,433.13                | 0.21                  | -0.19                | 0.09                |  |
| 7,575.00  | 90.99           | 179.03      | 6,398.53              | -1,363.13    | -1,093.77    | 1,525.56                | 2.50                  | 2.50                 | -0.10               |  |
| 7,669.00  | 90.99           | 178.86      | 6,396.90              | -1,457.10    | -1,092.04    | 1,617.94                | 0.18                  | 0.00                 | -0.18               |  |
| 7,764.00  | 90.99           | 178.90      | 6,395.26              | -1,552.07    | -1,090.18    | 1,711.29                | 0.04                  | 0.00                 | 0.04                |  |
| 7,858.00  | 90.63           | 178.68      | 6,393.93              | -1,646.04    | -1,088.20    | 1,803.63                | 0.45                  | -0.38                | -0.23               |  |
| 7,952.00  | 90.32           | 178.95      | 6,393.15              | -1,740.01    | -1,086.25    | 1,895.98                | 0.44                  | -0.33                | 0.29                |  |
| 8,046.00  | 89.75           | 178.29      | 6,393.10              | -1,833.99    | -1,083.99    | 1,988.28                | 0.93                  | -0.61                | -0.70               |  |
| 8,140.00  | 89.04           | 178.42      | 6,394.09              | -1,927.94    | -1,081.29    | 2,080.49                | 0.77                  | -0.76                | 0.14                |  |
| 8,234.00  | 89.17           | 178.37      | 6,395.56              | -2,021.89    | -1,078.66    | 2,172.70                | 0.15                  | 0.14                 | -0.05               |  |
| 8,329.00  | 89.35           | 178.73      | 6,396.78              | -2,116.86    | -1,076.25    | 2,265.95                | 0.42                  | 0.19                 | 0.38                |  |
| 8,423.00  | 89.26           | 178.33      | 6,397.92              | -2,210.82    | -1,073.84    | 2,358.22                | 0.44                  | -0.10                | -0.43               |  |

# Civitas Resources

## Survey Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | BONANZA CREEK ENERGY         | <b>Local Co-ordinate Reference:</b> | Well ORIGAMI STATE A-O31 6S-10-03 |
| <b>Project:</b>  | WELD COUNTY                  | <b>TVD Reference:</b>               | KB 25' @ 4578.00usft              |
| <b>Site:</b>     | SEC 31-T5N-R62W              | <b>MD Reference:</b>                | KB 25' @ 4578.00usft              |
| <b>Well:</b>     | ORIGAMI STATE A-O31 6S-10-03 | <b>North Reference:</b>             | True                              |
| <b>Wellbore:</b> | OWB                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Design:</b>   | FINAL SURVEY                 | <b>Database:</b>                    | EDM                               |

| Survey   |                 |             |                       |              |              |                         |                       |                      |                     |  |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft)  | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 8,517.00   | 92.14           | 178.29      | 6,396.78              | -2,304.76    | -1,071.07    | 2,450.40                | 3.06                  | 3.06                 | -0.04               |  |
| 8,611.00   | 92.44           | 178.81      | 6,393.02              | -2,398.65    | -1,068.69    | 2,542.60                | 0.64                  | 0.32                 | 0.55                |  |
| 8,706.00   | 90.28           | 178.73      | 6,390.76              | -2,493.60    | -1,066.66    | 2,635.90                | 2.28                  | -2.27                | -0.08               |  |
| 8,800.00   | 90.85           | 178.37      | 6,389.84              | -2,587.56    | -1,064.28    | 2,728.17                | 0.72                  | 0.61                 | -0.38               |  |
| 8,894.00   | 90.85           | 178.73      | 6,388.44              | -2,681.52    | -1,061.90    | 2,820.43                | 0.38                  | 0.00                 | 0.38                |  |
| 8,988.00   | 91.03           | 178.73      | 6,386.90              | -2,775.49    | -1,059.82    | 2,912.75                | 0.19                  | 0.19                 | 0.00                |  |
| 9,082.00   | 87.89           | 178.90      | 6,387.79              | -2,869.45    | -1,057.87    | 3,005.10                | 3.35                  | -3.34                | 0.18                |  |
| 9,177.00   | 88.42           | 179.87      | 6,390.85              | -2,964.40    | -1,056.85    | 3,098.56                | 1.16                  | 0.56                 | 1.02                |  |
| 9,272.00   | 88.42           | 179.83      | 6,393.46              | -3,059.36    | -1,056.60    | 3,192.17                | 0.04                  | 0.00                 | -0.04               |  |
| 9,366.00   | 88.07           | 179.83      | 6,396.34              | -3,153.31    | -1,056.33    | 3,284.78                | 0.37                  | -0.37                | 0.00                |  |
| 9,461.00   | 89.57           | 180.00      | 6,398.30              | -3,248.29    | -1,056.18    | 3,378.42                | 1.59                  | 1.58                 | 0.18                |  |
| 9,555.00   | 89.57           | 180.18      | 6,399.01              | -3,342.29    | -1,056.33    | 3,471.14                | 0.19                  | 0.00                 | 0.19                |  |
| 9,650.00   | 90.50           | 180.14      | 6,398.95              | -3,437.29    | -1,056.60    | 3,564.87                | 0.98                  | 0.98                 | -0.04               |  |
| 9,744.00   | 90.85           | 179.65      | 6,397.84              | -3,531.28    | -1,056.42    | 3,657.53                | 0.64                  | 0.37                 | -0.52               |  |
| 9,839.00   | 90.50           | 179.61      | 6,396.72              | -3,626.27    | -1,055.81    | 3,751.11                | 0.37                  | -0.37                | -0.04               |  |
| 9,932.00   | 90.94           | 179.03      | 6,395.55              | -3,719.26    | -1,054.71    | 3,842.62                | 0.78                  | 0.47                 | -0.62               |  |
| 10,027.00  | 90.90           | 178.86      | 6,394.03              | -3,814.23    | -1,052.96    | 3,935.99                | 0.18                  | -0.04                | -0.18               |  |
| 10,121.00  | 91.43           | 178.86      | 6,392.12              | -3,908.19    | -1,051.09    | 4,028.34                | 0.56                  | 0.56                 | 0.00                |  |
| 10,215.00  | 89.22           | 178.68      | 6,391.58              | -4,002.16    | -1,049.07    | 4,120.68                | 2.36                  | -2.35                | -0.19               |  |
| 10,309.00  | 89.22           | 177.98      | 6,392.86              | -4,096.11    | -1,046.33    | 4,212.88                | 0.74                  | 0.00                 | -0.74               |  |
| 10,404.00  | 90.23           | 177.80      | 6,393.32              | -4,191.05    | -1,042.83    | 4,305.92                | 1.08                  | 1.06                 | -0.19               |  |
| 10,498.00  | 89.84           | 177.23      | 6,393.26              | -4,284.96    | -1,038.76    | 4,397.86                | 0.73                  | -0.41                | -0.61               |  |
| 10,592.00  | 89.66           | 176.70      | 6,393.67              | -4,378.82    | -1,033.78    | 4,489.60                | 0.60                  | -0.19                | -0.56               |  |
| 10,686.00  | 89.84           | 176.57      | 6,394.08              | -4,472.66    | -1,028.26    | 4,581.22                | 0.24                  | 0.19                 | -0.14               |  |
| 10,780.00  | 89.35           | 175.51      | 6,394.75              | -4,566.43    | -1,021.77    | 4,672.62                | 1.24                  | -0.52                | -1.13               |  |
| 10,875.00  | 90.06           | 177.45      | 6,395.23              | -4,661.25    | -1,015.94    | 4,765.16                | 2.17                  | 0.75                 | 2.04                |  |
| 10,969.00  | 90.54           | 177.45      | 6,394.74              | -4,755.15    | -1,011.76    | 4,857.07                | 0.51                  | 0.51                 | 0.00                |  |
| 11,063.00  | 90.32           | 177.71      | 6,394.04              | -4,849.06    | -1,007.79    | 4,949.03                | 0.36                  | -0.23                | 0.28                |  |
| 11,157.00  | 90.28           | 178.20      | 6,393.54              | -4,943.00    | -1,004.44    | 5,041.11                | 0.52                  | -0.04                | 0.52                |  |
| 11,252.00  | 89.97           | 177.89      | 6,393.34              | -5,037.95    | -1,001.19    | 5,134.21                | 0.46                  | -0.33                | -0.33               |  |
| 11,345.00  | 90.06           | 178.06      | 6,393.31              | -5,130.89    | -997.91      | 5,225.32                | 0.21                  | 0.10                 | 0.18                |  |
| 11,439.00  | 89.93           | 177.54      | 6,393.32              | -5,224.82    | -994.30      | 5,317.35                | 0.57                  | -0.14                | -0.55               |  |
| 11,533.00  | 89.48           | 177.80      | 6,393.81              | -5,318.74    | -990.48      | 5,409.34                | 0.55                  | -0.48                | 0.28                |  |
| 11,627.00  | 90.37           | 177.40      | 6,393.93              | -5,412.66    | -986.54      | 5,501.31                | 1.04                  | 0.95                 | -0.43               |  |
| 11,720.00  | 90.19           | 178.99      | 6,393.47              | -5,506.61    | -983.61      | 5,592.49                | 1.72                  | -0.19                | 1.71                |  |
| 11,816.00  | 89.57           | 179.12      | 6,393.68              | -5,601.59    | -982.03      | 5,686.88                | 0.66                  | -0.65                | 0.14                |  |
| 11,910.00  | 90.19           | 178.77      | 6,393.87              | -5,695.58    | -980.30      | 5,779.28                | 0.76                  | 0.66                 | -0.37               |  |
| 11,963.00  | 89.97           | 178.90      | 6,393.80              | -5,748.57    | -979.22      | 5,831.36                | 0.48                  | -0.42                | 0.25                |  |
| <b>LAST SURVEY - 11963' MD, 6394' TVD</b>                    |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 12,033.00  | 89.97           | 178.90      | 6,393.83              | -5,818.55    | -977.88      | 5,900.15                | 0.00                  | 0.00                 | 0.00                |  |
| <b>PTB - 12033' MD, 6394' TVD, 102' FSL, 2080' FWL SEC 6</b> |                 |             |                       |              |              |                         |                       |                      |                     |  |

# Civitas Resources

## Survey Report

|   |   |
|---|---|
| <b>Company:</b> BONANZA CREEK ENERGY      | <b>Local Co-ordinate Reference:</b> Well ORIGAMI STATE A-O31 6S-10-03 |
| <b>Project:</b> WELD COUNTY               | <b>TVD Reference:</b> KB 25' @ 4578.00usft                            |
| <b>Site:</b> SEC 31-T5N-R62W              | <b>MD Reference:</b> KB 25' @ 4578.00usft                             |
| <b>Well:</b> ORIGAMI STATE A-O31 6S-10-03 | <b>North Reference:</b> True  |
| <b>Wellbore:</b> OWB                      | <b>Survey Calculation Method:</b> Minimum Curvature                   |
| <b>Design:</b> FINAL SURVEY               | <b>Database:</b> EDM  |

| Design Targets  |           |          |          |           |           |              |              |             |              |
|---|-----------|----------|----------|-----------|-----------|--------------|--------------|-------------|--------------|
| Target Name   | Dip Angle | Dip Dir. | TVD      | +N/-S     | +E/-W     | Northing     | Easting      | Latitude    | Longitude    |
| - hit/miss target   | (°)       | (°)      | (usft)   | (usft)    | (usft)    | (usft)       | (usft)       |             |              |
| - Shape   |           |          |          |           |           |              |              |             |              |
| PBHL-ORIGAMI STATE  | 0.00      | 0.00     | 6,390.00 | -5,820.52 | -997.51   | 1,366,731.69 | 3,315,177.26 | 40.334564°N | 104.369407°W |
| - actual wellpath misses target center by 20.10usft at 12033.00usft MD (6393.83 TVD, -5818.55 N, -977.88 E) |           |          |          |           |           |              |              |             |              |
| - Point   |           |          |          |           |           |              |              |             |              |
| LP-ORIGAMI STATE A-C  | 0.00      | 0.00     | 6,390.00 | -633.86   | -1,098.76 | 1,371,916.41 | 3,315,009.68 | 40.348801°N | 104.369771°W |
| - actual wellpath misses target center by 7.28usft at 6845.78usft MD (6382.73 TVD, -634.22 N, -1099.11 E)   |           |          |          |           |           |              |              |             |              |
| - Point   |           |          |          |           |           |              |              |             |              |

| Design Annotations |                       |                       |                   |              |  |
|--------------------|-----------------------|-----------------------|-------------------|--------------|--|
|                    | Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment  |
|                    |                       |                       | +N/-S (usft)      | +E/-W (usft) |  |
|                    | 1,704.00              | 1,695.95              | 6.15              | -143.07      | SURFACE CSG - 1704' MD, 1696' TVD                                    |
|                    | 5,845.00              | 5,750.07              | 17.76             | -980.76      | KOP - 5845' MD, 5750' TVD  |
|                    | 6,795.00              | 6,378.67              | -583.60           | -1,098.93    | HZ LANDING PNT - 6795' MD, 6379' TVD                                 |
|                    | 6,845.43              | 6,382.71              | -633.86           | -1,099.10    | ~100' X-OVER PNT - 6845.43' MD, 6383' TVD, 100' FNL, 2160' FWL SEC 6 |
|                    | 11,963.00             | 6,393.80              | -5,748.57         | -979.22      | LAST SURVEY - 11963' MD, 6394' TVD                                   |
|                    | 12,033.00             | 6,393.83              | -5,818.55         | -977.88      | PTB - 12033' MD, 6394' TVD, 102' FSL, 2080' FWL SEC 6                |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|