

BONANZA CREEK ENERGY

WELD COUNTY

SEC 31-T5N-R62W

ORIGAMI STATE A-O31 6S-10-02

OWB

Plan: PROPOSAL 1

Standard Planning Report

08 January, 2025

Project: WELD COUNTY
Site: SEC 31-T5N-R62W
Well: ORIGAMI STATE A-O31 6S-10-02
Wellbore: OWB
Design: PROPOSAL 1

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: 7.26°
 Magnetic Field
 Strength: 51595.5nT
 Dip Angle: 66.52°
 Date: 1/6/2025
 Model: IGRF2020

WELL DETAILS: ORIGAMI STATE A-O31 6S-10-02

| | | | | | | |
|-------|-------|------------|------------|-------------|--------------|------|
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
| 0.00 | 0.00 | 1372563.99 | 3316080.41 | 40.350541°N | 104.365900°W | |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
|-----|----------|-------|--------|---------|----------|----------|-------|--------|---------|-----------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1090.01 | 17.80 | 268.19 | 1075.76 | -4.34 | -137.07 | 2.00 | 268.19 | 39.41 | |
| 4 | 5866.17 | 17.80 | 268.19 | 5623.28 | -50.49 | -1596.41 | 0.00 | 0.00 | 458.95 | |
| 5 | 6767.42 | 90.00 | 177.78 | 6170.00 | -629.82 | -1749.60 | 10.00 | -90.39 | 1058.19 | LP-ORIGAMI STATE A-O31 02 |
| 6 | 11964.91 | 90.00 | 177.78 | 6170.00 | -5823.40 | -1548.13 | 0.00 | 0.00 | 6025.67 | PBHL-ORIGAMI STATE A-O31 02 |

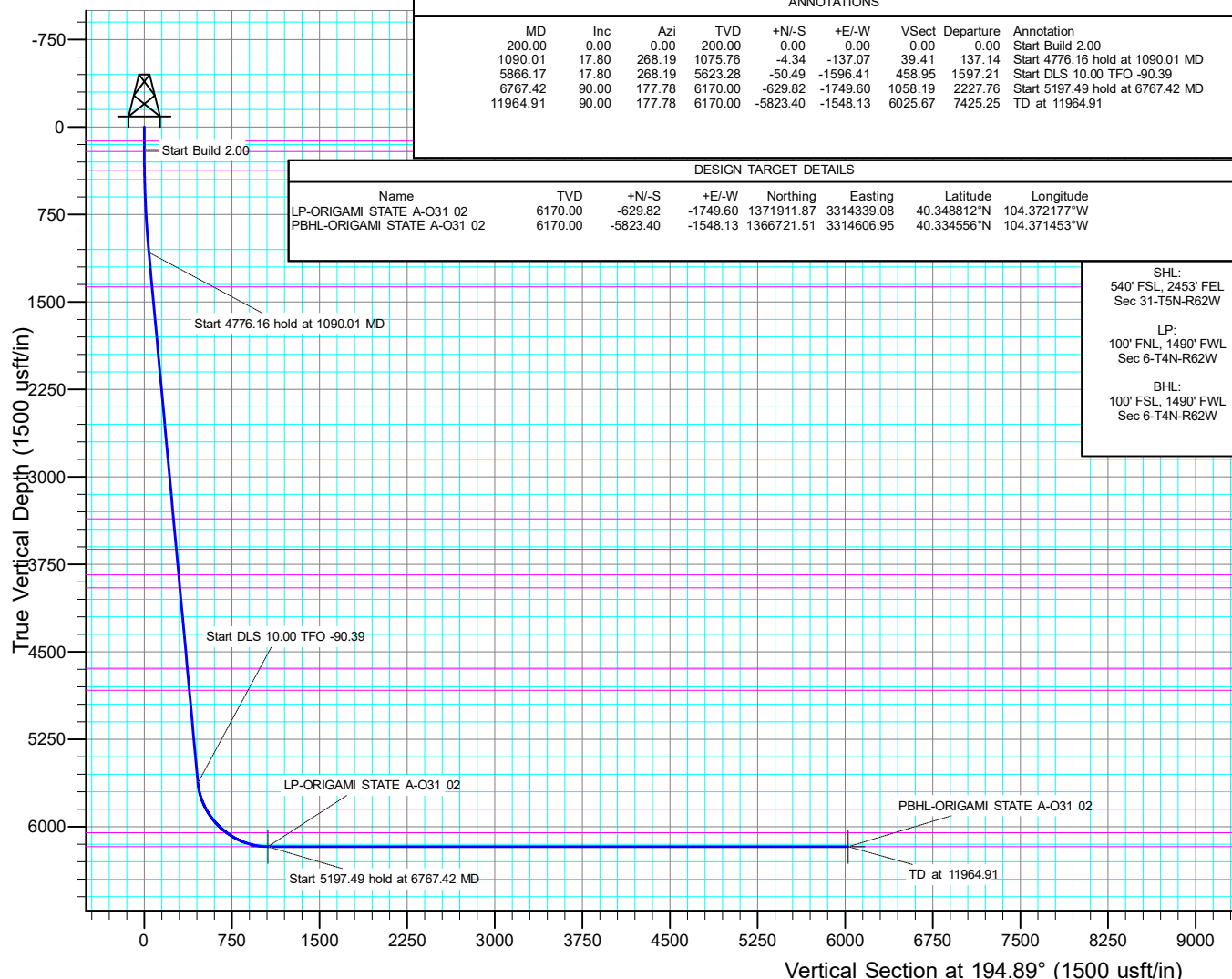
ANNOTATIONS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | VSect | Departure | Annotation |
|----------|-------|--------|---------|----------|----------|---------|-----------|----------------------------------|
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Build 2.00 |
| 1090.01 | 17.80 | 268.19 | 1075.76 | -4.34 | -137.07 | 39.41 | 137.14 | Start 4776.16 hold at 1090.01 MD |
| 5866.17 | 17.80 | 268.19 | 5623.28 | -50.49 | -1596.41 | 458.95 | 1597.21 | Start DLS 10.00 TFO -90.39 |
| 6767.42 | 90.00 | 177.78 | 6170.00 | -629.82 | -1749.60 | 1058.19 | 2227.76 | Start 5197.49 hold at 6767.42 MD |
| 11964.91 | 90.00 | 177.78 | 6170.00 | -5823.40 | -1548.13 | 6025.67 | 7425.25 | TD at 11964.91 |

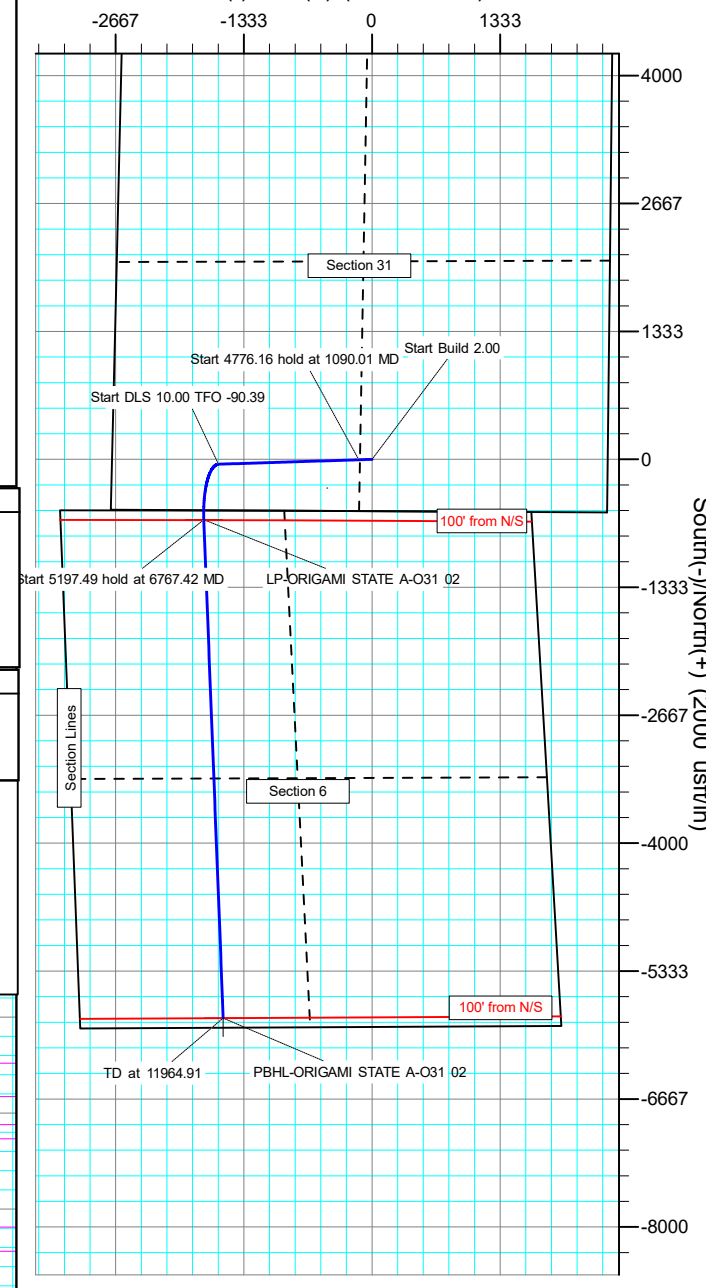
DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|-----------------------------|---------|----------|----------|------------|------------|-------------|--------------|
| LP-ORIGAMI STATE A-O31 02 | 6170.00 | -629.82 | -1749.60 | 1371911.87 | 3314339.08 | 40.348812°N | 104.372177°W |
| PBHL-ORIGAMI STATE A-O31 02 | 6170.00 | -5823.40 | -1548.13 | 1366721.51 | 3314606.95 | 40.334556°N | 104.371453°W |

SHL:
 540' FSL, 2453' FEL
 Sec 31-T5N-R62W
 LP:
 100' FNL, 1490' FWL
 Sec 6-T4N-R62W
 BHL:
 100' FSL, 1490' FWL
 Sec 6-T4N-R62W



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



Civitas Resources

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well ORIGAMI STATE A-O31 6S-10-02 |
| Company: | BONANZA CREEK ENERGY | TVD Reference: | KB 25' @ 4578.00usft |
| Project: | WELD COUNTY | MD Reference: | KB 25' @ 4578.00usft |
| Site: | SEC 31-T5N-R62W | North Reference: | True |
| Well: | ORIGAMI STATE A-O31 6S-10-02 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| | | | |
|--------------------|---------------------------|----------------------|-----------------------------|
| Project | WELD COUNTY | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

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

| | | | | | | |
|-----------------------------|------------------------------|----------------|----------------------------|-------------------|----------------------|---------------|
| Well | ORIGAMI STATE A-O31 6S-10-02 | | | | | |
| Well Position | +N/-S | -4,691.81 usft | Northing: | 1,372,563.99 usft | Latitude: | 40.350541°N |
| | +E/-W | -2,502.95 usft | Easting: | 3,316,080.42 usft | Longitude: | 104.365900°W |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | | Ground Level: | 4,553.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OWB | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2020 | 1/6/2025 | 7.26 | 66.52 | 51,595.46721617 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | PROPOSAL 1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 194.89 |

| | | | | | |
|---------------------------------|------------------------|--------------------------|------------------|---------------------|--|
| Plan Survey Tool Program | Date | 1/8/2025 | | | |
| Depth From (usft) | Depth To (usft) | Survey (Wellbore) | Tool Name | Remarks | |
| 1 | 0.00 | 11,964.91 | PROPOSAL 1 (OWB) | MWD OWSG | |
| | | | | OWSG MWD - Standard | |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-----------------------|----------------------|---------------------|---------|-------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,090.01 | 17.80 | 268.19 | 1,075.76 | -4.34 | -137.07 | 2.00 | 2.00 | 0.00 | 268.19 | |
| 5,866.17 | 17.80 | 268.19 | 5,623.28 | -50.49 | -1,596.41 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,767.42 | 90.00 | 177.78 | 6,170.00 | -629.82 | -1,749.60 | 10.00 | 8.01 | -10.03 | -90.39 | LP-ORIGAMI STATE, |
| 11,964.91 | 90.00 | 177.78 | 6,170.00 | -5,823.40 | -1,548.13 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL-ORIGAMI STA |

Civitas Resources

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well ORIGAMI STATE A-O31 6S-10-02 |
| Company: | BONANZA CREEK ENERGY | TVD Reference: | KB 25' @ 4578.00usft |
| Project: | WELD COUNTY | MD Reference: | KB 25' @ 4578.00usft |
| Site: | SEC 31-T5N-R62W | North Reference: | True |
| Well: | ORIGAMI STATE A-O31 6S-10-02 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Planned 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) | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Laramie-Fox Hills Formation | | | | | | | | | | |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start Build 2.00 | | | | | | | | | | |
| 210.00 | 0.20 | 268.19 | 210.00 | 0.00 | -0.02 | 0.01 | 2.00 | 2.00 | 2.00 | 0.00 |
| Pierre Formation | | | | | | | | | | |
| 300.00 | 2.00 | 268.19 | 299.98 | -0.06 | -1.74 | 0.50 | 2.00 | 2.00 | 2.00 | 0.00 |
| 370.10 | 3.40 | 268.19 | 370.00 | -0.16 | -5.05 | 1.45 | 2.00 | 2.00 | 2.00 | 0.00 |
| Upper Pierre aquifer | | | | | | | | | | |
| 400.00 | 4.00 | 268.19 | 399.84 | -0.22 | -6.98 | 2.01 | 2.00 | 2.00 | 2.00 | 0.00 |
| 500.00 | 6.00 | 268.19 | 499.45 | -0.50 | -15.69 | 4.51 | 2.00 | 2.00 | 2.00 | 0.00 |
| 600.00 | 8.00 | 268.19 | 598.70 | -0.88 | -27.87 | 8.01 | 2.00 | 2.00 | 2.00 | 0.00 |
| 700.00 | 10.00 | 268.19 | 697.47 | -1.38 | -43.50 | 12.51 | 2.00 | 2.00 | 2.00 | 0.00 |
| 800.00 | 12.00 | 268.19 | 795.62 | -1.98 | -62.57 | 17.99 | 2.00 | 2.00 | 2.00 | 0.00 |
| 900.00 | 14.00 | 268.19 | 893.06 | -2.69 | -85.05 | 24.45 | 2.00 | 2.00 | 2.00 | 0.00 |
| 1,000.00 | 16.00 | 268.19 | 989.64 | -3.51 | -110.92 | 31.89 | 2.00 | 2.00 | 2.00 | 0.00 |
| 1,090.01 | 17.80 | 268.19 | 1,075.76 | -4.34 | -137.07 | 39.41 | 2.00 | 2.00 | 2.00 | 0.00 |
| Start 4776.16 hold at 1090.01 MD | | | | | | | | | | |
| 1,100.00 | 17.80 | 268.19 | 1,085.27 | -4.43 | -140.13 | 40.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 17.80 | 268.19 | 1,180.49 | -5.40 | -170.68 | 49.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 17.80 | 268.19 | 1,275.70 | -6.36 | -201.24 | 57.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,399.04 | 17.80 | 268.19 | 1,370.00 | -7.32 | -231.50 | 66.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| Base of Upper Pierre aquifer | | | | | | | | | | |
| 1,400.00 | 17.80 | 268.19 | 1,370.91 | -7.33 | -231.79 | 66.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 17.80 | 268.19 | 1,466.13 | -8.30 | -262.35 | 75.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 17.80 | 268.19 | 1,561.34 | -9.26 | -292.90 | 84.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 17.80 | 268.19 | 1,656.55 | -10.23 | -323.45 | 92.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 17.80 | 268.19 | 1,751.76 | -11.20 | -354.01 | 101.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 17.80 | 268.19 | 1,846.98 | -12.16 | -384.56 | 110.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 17.80 | 268.19 | 1,942.19 | -13.13 | -415.12 | 119.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 17.80 | 268.19 | 2,037.40 | -14.10 | -445.67 | 128.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 17.80 | 268.19 | 2,132.61 | -15.06 | -476.23 | 136.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 17.80 | 268.19 | 2,227.83 | -16.03 | -506.78 | 145.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 17.80 | 268.19 | 2,323.04 | -16.99 | -537.34 | 154.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 17.80 | 268.19 | 2,418.25 | -17.96 | -567.89 | 163.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 17.80 | 268.19 | 2,513.47 | -18.93 | -598.45 | 172.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 17.80 | 268.19 | 2,608.68 | -19.89 | -629.00 | 180.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 17.80 | 268.19 | 2,703.89 | -20.86 | -659.56 | 189.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 17.80 | 268.19 | 2,799.10 | -21.83 | -690.11 | 198.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 17.80 | 268.19 | 2,894.32 | -22.79 | -720.66 | 207.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 17.80 | 268.19 | 2,989.53 | -23.76 | -751.22 | 215.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 17.80 | 268.19 | 3,084.74 | -24.73 | -781.77 | 224.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 17.80 | 268.19 | 3,179.96 | -25.69 | -812.33 | 233.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 17.80 | 268.19 | 3,275.17 | -26.66 | -842.88 | 242.32 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,489.10 | 17.80 | 268.19 | 3,360.00 | -27.52 | -870.11 | 250.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| Larimer ("Parkman") sandstone | | | | | | | | | | |
| 3,500.00 | 17.80 | 268.19 | 3,370.38 | -27.62 | -873.44 | 251.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 17.80 | 268.19 | 3,465.59 | -28.59 | -903.99 | 259.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 17.80 | 268.19 | 3,560.81 | -29.56 | -934.55 | 268.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,762.17 | 17.80 | 268.19 | 3,620.00 | -30.16 | -953.54 | 274.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pierre Formation | | | | | | | | | | |

Civitas Resources

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well ORIGAMI STATE A-O31 6S-10-02 |
| Company: | BONANZA CREEK ENERGY | TVD Reference: | KB 25' @ 4578.00usft |
| Project: | WELD COUNTY | MD Reference: | KB 25' @ 4578.00usft |
| Site: | SEC 31-T5N-R62W | North Reference: | True |
| Well: | ORIGAMI STATE A-O31 6S-10-02 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Planned 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) | |
| 3,800.00 | 17.80 | 268.19 | 3,656.02 | -30.52 | -965.10 | 277.45 | 0.00 | 0.00 | 0.00 | |
| 3,900.00 | 17.80 | 268.19 | 3,751.23 | -31.49 | -995.66 | 286.24 | 0.00 | 0.00 | 0.00 | |
| 3,993.23 | 17.80 | 268.19 | 3,840.00 | -32.39 | -1,024.14 | 294.43 | 0.00 | 0.00 | 0.00 | |
| Terry ("Sussex") sandstone | | | | | | | | | | |
| 4,000.00 | 17.80 | 268.19 | 3,846.45 | -32.46 | -1,026.21 | 295.02 | 0.00 | 0.00 | 0.00 | |
| 4,100.00 | 17.80 | 268.19 | 3,941.66 | -33.42 | -1,056.77 | 303.81 | 0.00 | 0.00 | 0.00 | |
| 4,108.76 | 17.80 | 268.19 | 3,950.00 | -33.51 | -1,059.44 | 304.58 | 0.00 | 0.00 | 0.00 | |
| Pierre Formation | | | | | | | | | | |
| 4,200.00 | 17.80 | 268.19 | 4,036.87 | -34.39 | -1,087.32 | 312.59 | 0.00 | 0.00 | 0.00 | |
| 4,300.00 | 17.80 | 268.19 | 4,132.08 | -35.36 | -1,117.88 | 321.37 | 0.00 | 0.00 | 0.00 | |
| 4,400.00 | 17.80 | 268.19 | 4,227.30 | -36.32 | -1,148.43 | 330.16 | 0.00 | 0.00 | 0.00 | |
| 4,500.00 | 17.80 | 268.19 | 4,322.51 | -37.29 | -1,178.98 | 338.94 | 0.00 | 0.00 | 0.00 | |
| 4,600.00 | 17.80 | 268.19 | 4,417.72 | -38.25 | -1,209.54 | 347.73 | 0.00 | 0.00 | 0.00 | |
| 4,700.00 | 17.80 | 268.19 | 4,512.94 | -39.22 | -1,240.09 | 356.51 | 0.00 | 0.00 | 0.00 | |
| 4,800.00 | 17.80 | 268.19 | 4,608.15 | -40.19 | -1,270.65 | 365.30 | 0.00 | 0.00 | 0.00 | |
| 4,833.45 | 17.80 | 268.19 | 4,640.00 | -40.51 | -1,280.87 | 368.23 | 0.00 | 0.00 | 0.00 | |
| Hygiene ("Shannon") sandstone | | | | | | | | | | |
| 4,900.00 | 17.80 | 268.19 | 4,703.36 | -41.15 | -1,301.20 | 374.08 | 0.00 | 0.00 | 0.00 | |
| 5,000.00 | 17.80 | 268.19 | 4,798.57 | -42.12 | -1,331.76 | 382.86 | 0.00 | 0.00 | 0.00 | |
| 5,033.01 | 17.80 | 268.19 | 4,830.00 | -42.44 | -1,341.84 | 385.76 | 0.00 | 0.00 | 0.00 | |
| Pierre Formation | | | | | | | | | | |
| 5,100.00 | 17.80 | 268.19 | 4,893.79 | -43.09 | -1,362.31 | 391.65 | 0.00 | 0.00 | 0.00 | |
| 5,200.00 | 17.80 | 268.19 | 4,989.00 | -44.05 | -1,392.87 | 400.43 | 0.00 | 0.00 | 0.00 | |
| 5,300.00 | 17.80 | 268.19 | 5,084.21 | -45.02 | -1,423.42 | 409.22 | 0.00 | 0.00 | 0.00 | |
| 5,400.00 | 17.80 | 268.19 | 5,179.42 | -45.98 | -1,453.98 | 418.00 | 0.00 | 0.00 | 0.00 | |
| 5,500.00 | 17.80 | 268.19 | 5,274.64 | -46.95 | -1,484.53 | 426.78 | 0.00 | 0.00 | 0.00 | |
| 5,600.00 | 17.80 | 268.19 | 5,369.85 | -47.92 | -1,515.09 | 435.57 | 0.00 | 0.00 | 0.00 | |
| 5,700.00 | 17.80 | 268.19 | 5,465.06 | -48.88 | -1,545.64 | 444.35 | 0.00 | 0.00 | 0.00 | |
| 5,800.00 | 17.80 | 268.19 | 5,560.28 | -49.85 | -1,576.20 | 453.14 | 0.00 | 0.00 | 0.00 | |
| 5,866.17 | 17.80 | 268.19 | 5,623.28 | -50.49 | -1,596.41 | 458.95 | 0.00 | 0.00 | 0.00 | |
| Start DLS 10.00 TFO -90.39 | | | | | | | | | | |
| 5,900.00 | 18.09 | 257.23 | 5,655.47 | -51.81 | -1,606.71 | 462.87 | 10.00 | 0.84 | -32.39 | |
| 5,950.00 | 19.57 | 242.38 | 5,702.82 | -57.41 | -1,621.70 | 472.14 | 10.00 | 2.96 | -29.70 | |
| 6,000.00 | 22.07 | 230.16 | 5,749.58 | -67.32 | -1,636.34 | 485.47 | 10.00 | 5.00 | -24.45 | |
| 6,050.00 | 25.28 | 220.60 | 5,795.38 | -81.45 | -1,650.51 | 502.77 | 10.00 | 6.44 | -19.12 | |
| 6,100.00 | 28.98 | 213.20 | 5,839.88 | -99.71 | -1,664.10 | 523.91 | 10.00 | 7.40 | -14.79 | |
| 6,150.00 | 33.00 | 207.41 | 5,882.75 | -121.95 | -1,677.01 | 548.71 | 10.00 | 8.03 | -11.59 | |
| 6,200.00 | 37.23 | 202.77 | 5,923.64 | -148.00 | -1,689.14 | 577.01 | 10.00 | 8.46 | -9.27 | |
| 6,250.00 | 41.61 | 198.97 | 5,962.26 | -177.67 | -1,700.40 | 608.57 | 10.00 | 8.76 | -7.60 | |
| 6,300.00 | 46.10 | 195.78 | 5,998.31 | -210.72 | -1,710.70 | 643.17 | 10.00 | 8.97 | -6.38 | |
| 6,350.00 | 50.66 | 193.04 | 6,031.52 | -246.92 | -1,719.96 | 680.53 | 10.00 | 9.12 | -5.48 | |
| 6,380.05 | 53.43 | 191.56 | 6,050.00 | -270.07 | -1,725.00 | 704.20 | 10.00 | 9.22 | -4.92 | |
| Sharon Springs Member | | | | | | | | | | |
| 6,400.00 | 55.28 | 190.63 | 6,061.62 | -285.98 | -1,728.12 | 720.37 | 10.00 | 9.27 | -4.63 | |
| 6,450.00 | 59.94 | 188.49 | 6,088.40 | -327.60 | -1,735.11 | 762.39 | 10.00 | 9.32 | -4.29 | |
| 6,500.00 | 64.63 | 186.53 | 6,111.65 | -371.47 | -1,740.88 | 806.27 | 10.00 | 9.38 | -3.90 | |
| 6,550.00 | 69.35 | 184.73 | 6,131.19 | -417.26 | -1,745.38 | 851.67 | 10.00 | 9.43 | -3.61 | |
| 6,600.00 | 74.08 | 183.03 | 6,146.88 | -464.61 | -1,748.58 | 898.26 | 10.00 | 9.47 | -3.39 | |
| 6,650.00 | 78.83 | 181.41 | 6,158.58 | -513.16 | -1,750.46 | 945.67 | 10.00 | 9.49 | -3.24 | |
| 6,700.00 | 83.58 | 179.85 | 6,166.23 | -562.56 | -1,751.00 | 993.54 | 10.00 | 9.51 | -3.13 | |
| 6,750.00 | 88.34 | 178.31 | 6,169.75 | -612.41 | -1,750.20 | 1,041.52 | 10.00 | 9.52 | -3.07 | |
| 6,767.42 | 90.00 | 177.78 | 6,170.00 | -629.82 | -1,749.60 | 1,058.19 | 10.00 | 9.52 | -3.06 | |
| Start 5197.49 hold at 6767.42 MD - Niobrara Formation | | | | | | | | | | |

Civitas Resources

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well ORIGAMI STATE A-O31 6S-10-02 |
| Company: | BONANZA CREEK ENERGY | TVD Reference: | KB 25' @ 4578.00usft |
| Project: | WELD COUNTY | MD Reference: | KB 25' @ 4578.00usft |
| Site: | SEC 31-T5N-R62W | North Reference: | True |
| Well: | ORIGAMI STATE A-O31 6S-10-02 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Planned 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) | |
| 6,800.00 | 90.00 | 177.78 | 6,170.00 | -662.37 | -1,748.34 | 1,089.33 | 0.00 | 0.00 | 0.00 | |
| 6,900.00 | 90.00 | 177.78 | 6,170.00 | -762.30 | -1,744.46 | 1,184.90 | 0.00 | 0.00 | 0.00 | |
| 7,000.00 | 90.00 | 177.78 | 6,170.00 | -862.22 | -1,740.59 | 1,280.47 | 0.00 | 0.00 | 0.00 | |
| 7,100.00 | 90.00 | 177.78 | 6,170.00 | -962.15 | -1,736.71 | 1,376.05 | 0.00 | 0.00 | 0.00 | |
| 7,200.00 | 90.00 | 177.78 | 6,170.00 | -1,062.07 | -1,732.83 | 1,471.62 | 0.00 | 0.00 | 0.00 | |
| 7,300.00 | 90.00 | 177.78 | 6,170.00 | -1,162.00 | -1,728.96 | 1,567.20 | 0.00 | 0.00 | 0.00 | |
| 7,400.00 | 90.00 | 177.78 | 6,170.00 | -1,261.92 | -1,725.08 | 1,662.77 | 0.00 | 0.00 | 0.00 | |
| 7,500.00 | 90.00 | 177.78 | 6,170.00 | -1,361.85 | -1,721.20 | 1,758.35 | 0.00 | 0.00 | 0.00 | |
| 7,600.00 | 90.00 | 177.78 | 6,170.00 | -1,461.77 | -1,717.33 | 1,853.92 | 0.00 | 0.00 | 0.00 | |
| 7,700.00 | 90.00 | 177.78 | 6,170.00 | -1,561.70 | -1,713.45 | 1,949.50 | 0.00 | 0.00 | 0.00 | |
| 7,800.00 | 90.00 | 177.78 | 6,170.00 | -1,661.62 | -1,709.58 | 2,045.07 | 0.00 | 0.00 | 0.00 | |
| 7,900.00 | 90.00 | 177.78 | 6,170.00 | -1,761.55 | -1,705.70 | 2,140.65 | 0.00 | 0.00 | 0.00 | |
| 8,000.00 | 90.00 | 177.78 | 6,170.00 | -1,861.47 | -1,701.82 | 2,236.22 | 0.00 | 0.00 | 0.00 | |
| 8,100.00 | 90.00 | 177.78 | 6,170.00 | -1,961.40 | -1,697.95 | 2,331.80 | 0.00 | 0.00 | 0.00 | |
| 8,200.00 | 90.00 | 177.78 | 6,170.00 | -2,061.32 | -1,694.07 | 2,427.37 | 0.00 | 0.00 | 0.00 | |
| 8,300.00 | 90.00 | 177.78 | 6,170.00 | -2,161.25 | -1,690.19 | 2,522.95 | 0.00 | 0.00 | 0.00 | |
| 8,400.00 | 90.00 | 177.78 | 6,170.00 | -2,261.17 | -1,686.32 | 2,618.52 | 0.00 | 0.00 | 0.00 | |
| 8,500.00 | 90.00 | 177.78 | 6,170.00 | -2,361.10 | -1,682.44 | 2,714.09 | 0.00 | 0.00 | 0.00 | |
| 8,600.00 | 90.00 | 177.78 | 6,170.00 | -2,461.02 | -1,678.56 | 2,809.67 | 0.00 | 0.00 | 0.00 | |
| 8,700.00 | 90.00 | 177.78 | 6,170.00 | -2,560.95 | -1,674.69 | 2,905.24 | 0.00 | 0.00 | 0.00 | |
| 8,800.00 | 90.00 | 177.78 | 6,170.00 | -2,660.87 | -1,670.81 | 3,000.82 | 0.00 | 0.00 | 0.00 | |
| 8,900.00 | 90.00 | 177.78 | 6,170.00 | -2,760.80 | -1,666.93 | 3,096.39 | 0.00 | 0.00 | 0.00 | |
| 9,000.00 | 90.00 | 177.78 | 6,170.00 | -2,860.72 | -1,663.06 | 3,191.97 | 0.00 | 0.00 | 0.00 | |
| 9,100.00 | 90.00 | 177.78 | 6,170.00 | -2,960.64 | -1,659.18 | 3,287.54 | 0.00 | 0.00 | 0.00 | |
| 9,200.00 | 90.00 | 177.78 | 6,170.00 | -3,060.57 | -1,655.31 | 3,383.12 | 0.00 | 0.00 | 0.00 | |
| 9,300.00 | 90.00 | 177.78 | 6,170.00 | -3,160.49 | -1,651.43 | 3,478.69 | 0.00 | 0.00 | 0.00 | |
| 9,400.00 | 90.00 | 177.78 | 6,170.00 | -3,260.42 | -1,647.55 | 3,574.27 | 0.00 | 0.00 | 0.00 | |
| 9,500.00 | 90.00 | 177.78 | 6,170.00 | -3,360.34 | -1,643.68 | 3,669.84 | 0.00 | 0.00 | 0.00 | |
| 9,600.00 | 90.00 | 177.78 | 6,170.00 | -3,460.27 | -1,639.80 | 3,765.42 | 0.00 | 0.00 | 0.00 | |
| 9,700.00 | 90.00 | 177.78 | 6,170.00 | -3,560.19 | -1,635.92 | 3,860.99 | 0.00 | 0.00 | 0.00 | |
| 9,800.00 | 90.00 | 177.78 | 6,170.00 | -3,660.12 | -1,632.05 | 3,956.56 | 0.00 | 0.00 | 0.00 | |
| 9,900.00 | 90.00 | 177.78 | 6,170.00 | -3,760.04 | -1,628.17 | 4,052.14 | 0.00 | 0.00 | 0.00 | |
| 10,000.00 | 90.00 | 177.78 | 6,170.00 | -3,859.97 | -1,624.29 | 4,147.71 | 0.00 | 0.00 | 0.00 | |
| 10,100.00 | 90.00 | 177.78 | 6,170.00 | -3,959.89 | -1,620.42 | 4,243.29 | 0.00 | 0.00 | 0.00 | |
| 10,200.00 | 90.00 | 177.78 | 6,170.00 | -4,059.82 | -1,616.54 | 4,338.86 | 0.00 | 0.00 | 0.00 | |
| 10,300.00 | 90.00 | 177.78 | 6,170.00 | -4,159.74 | -1,612.66 | 4,434.44 | 0.00 | 0.00 | 0.00 | |
| 10,400.00 | 90.00 | 177.78 | 6,170.00 | -4,259.67 | -1,608.79 | 4,530.01 | 0.00 | 0.00 | 0.00 | |
| 10,500.00 | 90.00 | 177.78 | 6,170.00 | -4,359.59 | -1,604.91 | 4,625.59 | 0.00 | 0.00 | 0.00 | |
| 10,600.00 | 90.00 | 177.78 | 6,170.00 | -4,459.52 | -1,601.04 | 4,721.16 | 0.00 | 0.00 | 0.00 | |
| 10,700.00 | 90.00 | 177.78 | 6,170.00 | -4,559.44 | -1,597.16 | 4,816.74 | 0.00 | 0.00 | 0.00 | |
| 10,800.00 | 90.00 | 177.78 | 6,170.00 | -4,659.37 | -1,593.28 | 4,912.31 | 0.00 | 0.00 | 0.00 | |
| 10,900.00 | 90.00 | 177.78 | 6,170.00 | -4,759.29 | -1,589.41 | 5,007.89 | 0.00 | 0.00 | 0.00 | |
| 11,000.00 | 90.00 | 177.78 | 6,170.00 | -4,859.22 | -1,585.53 | 5,103.46 | 0.00 | 0.00 | 0.00 | |
| 11,100.00 | 90.00 | 177.78 | 6,170.00 | -4,959.14 | -1,581.65 | 5,199.04 | 0.00 | 0.00 | 0.00 | |
| 11,200.00 | 90.00 | 177.78 | 6,170.00 | -5,059.07 | -1,577.78 | 5,294.61 | 0.00 | 0.00 | 0.00 | |
| 11,300.00 | 90.00 | 177.78 | 6,170.00 | -5,158.99 | -1,573.90 | 5,390.18 | 0.00 | 0.00 | 0.00 | |
| 11,400.00 | 90.00 | 177.78 | 6,170.00 | -5,258.92 | -1,570.02 | 5,485.76 | 0.00 | 0.00 | 0.00 | |
| 11,500.00 | 90.00 | 177.78 | 6,170.00 | -5,358.84 | -1,566.15 | 5,581.33 | 0.00 | 0.00 | 0.00 | |
| 11,600.00 | 90.00 | 177.78 | 6,170.00 | -5,458.77 | -1,562.27 | 5,676.91 | 0.00 | 0.00 | 0.00 | |
| 11,700.00 | 90.00 | 177.78 | 6,170.00 | -5,558.69 | -1,558.39 | 5,772.48 | 0.00 | 0.00 | 0.00 | |
| 11,800.00 | 90.00 | 177.78 | 6,170.00 | -5,658.62 | -1,554.52 | 5,868.06 | 0.00 | 0.00 | 0.00 | |
| 11,900.00 | 90.00 | 177.78 | 6,170.00 | -5,758.54 | -1,550.64 | 5,963.63 | 0.00 | 0.00 | 0.00 | |
| 11,964.91 | 90.00 | 177.78 | 6,170.00 | -5,823.40 | -1,548.13 | 6,025.67 | 0.00 | 0.00 | 0.00 | |
| TD at 11964.91 | | | | | | | | | | |

Civitas Resources

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM | Local Co-ordinate Reference: | Well ORIGAMI STATE A-O31 6S-10-02 |
| Company: | BONANZA CREEK ENERGY | TVD Reference: | KB 25' @ 4578.00usft |
| Project: | WELD COUNTY | MD Reference: | KB 25' @ 4578.00usft |
| Site: | SEC 31-T5N-R62W | North Reference: | True |
| Well: | ORIGAMI STATE A-O31 6S-10-02 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OWB | | |
| Design: | PROPOSAL 1 | | |

| Planned 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) |

| Design Targets | | | | | | | | | |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-------------|--------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| LP-ORIGAMI STATE A-(- hit/miss target - Shape - Point | 0.00 | 0.00 | 6,170.00 | -629.82 | -1,749.60 | 1,371,911.87 | 3,314,339.09 | 40.348812°N | 104.372177°W |
| PBHL-ORIGAMI STATE - plan hits target center - Point | 0.00 | 0.00 | 6,170.00 | -5,823.40 | -1,548.13 | 1,366,721.51 | 3,314,606.96 | 40.334556°N | 104.371453°W |

| Formations | | | | | | |
|-----------------------|-----------------------|-------------------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 120.00 | 120.00 | Laramie-Fox Hills Formation | | | | |
| 210.00 | 210.00 | Pierre Formation | | | | |
| 370.10 | 370.00 | Upper Pierre aquifer | | | | |
| 1,399.04 | 1,370.00 | Base of Upper Pierre aquifer | | | | |
| 3,489.10 | 3,360.00 | Larimer ("Parkman") sandstone | | | | |
| 3,762.17 | 3,620.00 | Pierre Formation | | | | |
| 3,993.23 | 3,840.00 | Terry ("Sussex") sandstone | | | | |
| 4,108.76 | 3,950.00 | Pierre Formation | | | | |
| 4,833.45 | 4,640.00 | Hygiene ("Shannon") sandstone | | | | |
| 5,033.01 | 4,830.00 | Pierre Formation | | | | |
| 6,380.05 | 6,050.00 | Sharon Springs Member | | | | |
| 6,767.42 | 6,170.00 | Niobrara Formation | | | | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment | |
| | | +N/-S (usft) | +E/-W (usft) | | |
| 200.00 | 200.00 | 0.00 | 0.00 | Start Build 2.00 | |
| 1,090.01 | 1,075.76 | -4.34 | -137.07 | Start 4776.16 hold at 1090.01 MD | |
| 5,866.17 | 5,623.28 | -50.49 | -1,596.41 | Start DLS 10.00 TFO -90.39 | |
| 6,767.42 | 6,170.00 | -629.82 | -1,749.60 | Start 5197.49 hold at 6767.42 MD | |
| 11,964.91 | 6,170.00 | -5,823.40 | -1,548.13 | TD at 11964.91 | |