

PROJECT DETAILS: Weld County, CO NAD 83

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 System Datum: Mean Sea Level
 Local North: True

Project: Weld County, CO NAD 83
 Site: Anschutz State 5-62-22_23 SWSW Pad.
 Well: Anschutz State Fed 5-62-27-0263B2
 Wellbore: OH
 Design: Plan 2



Azimuths to True North
 Magnetic North: 8.19°

Magnetic Field
 Strength: 52539.1nT
 Dip Angle: 66.96°
 Date: 8/26/2016
 Model: BGGM2016

Plan: Plan 2 (Anschutz State Fed 5-62-27-0263B2/OH)

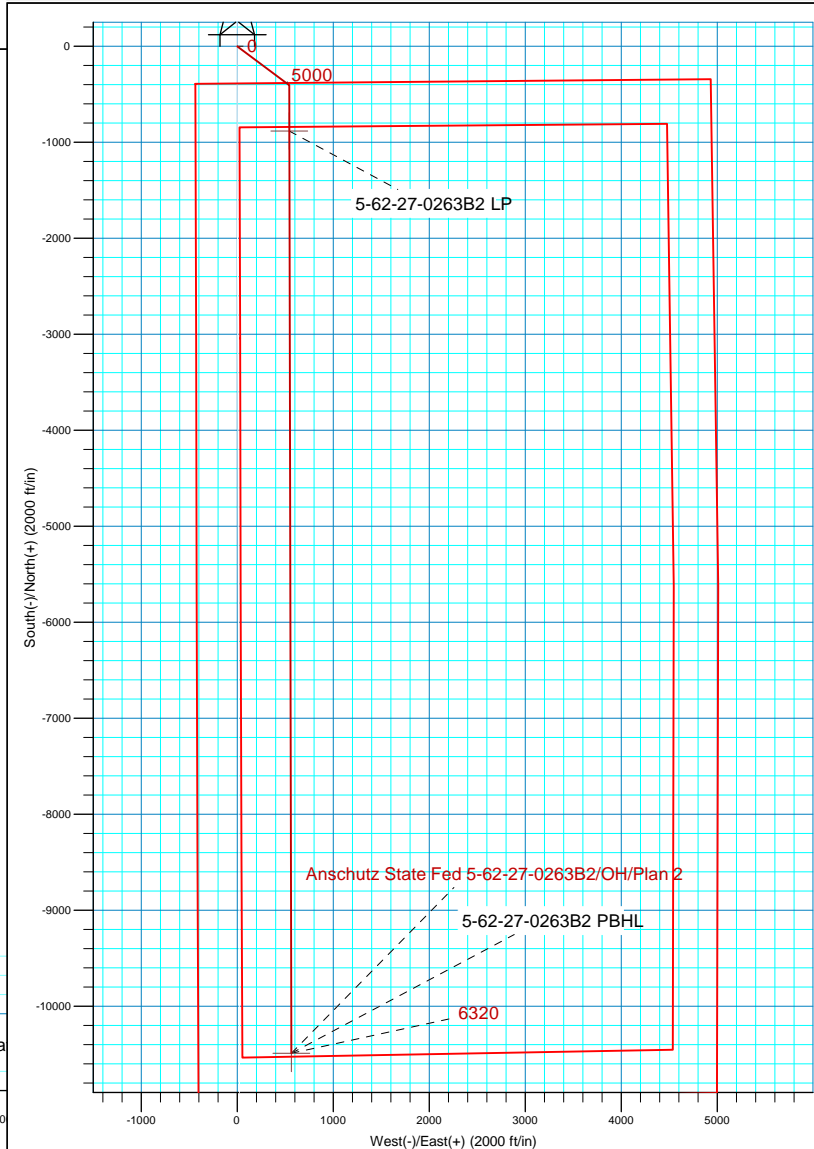
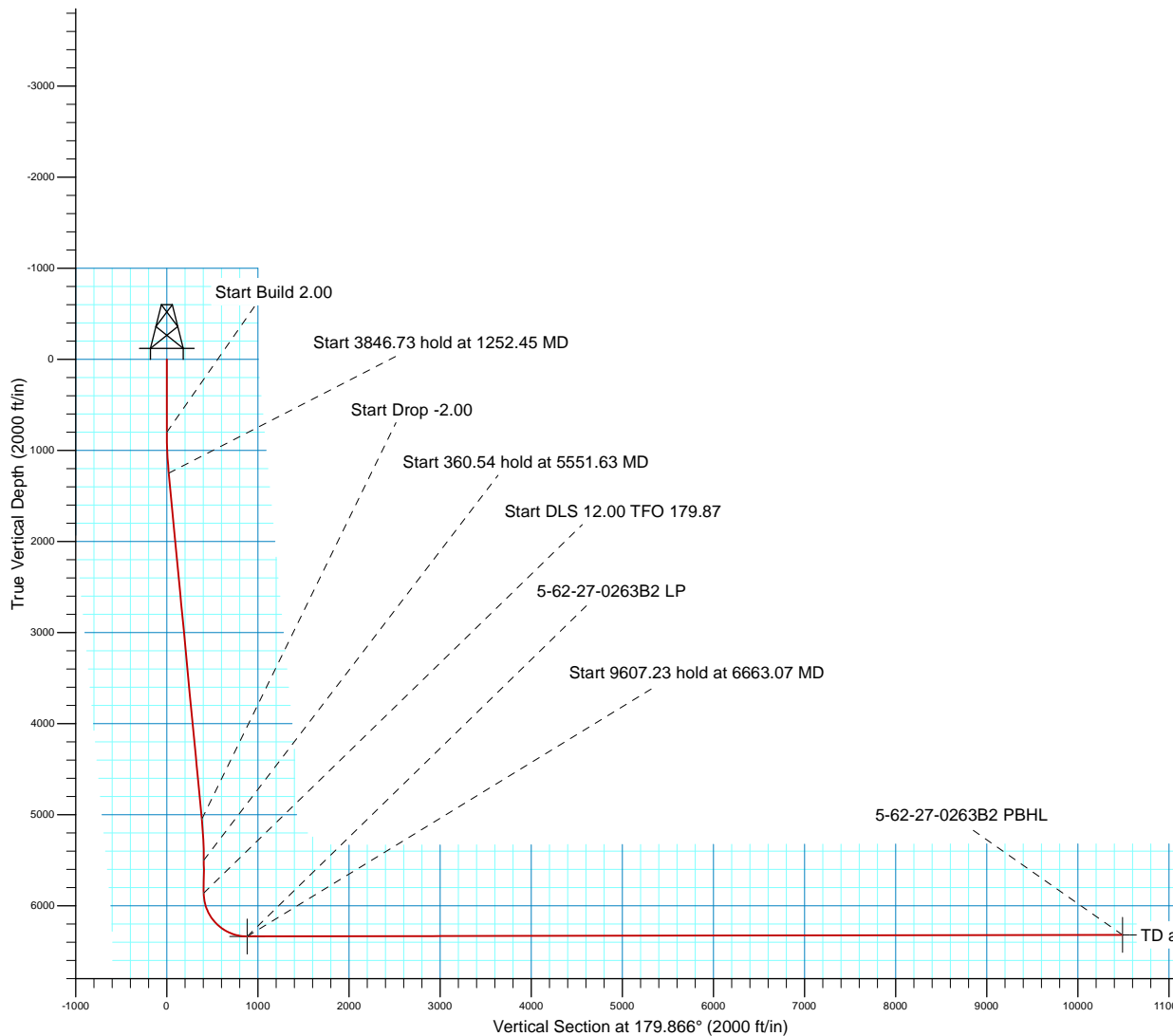
Created By: Seth Burstad Date: 8-26-2016

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect |
|----------|-------|---------|---------|-----------|--------|-------|--------|----------|
| 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.000 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1252.45 | 9.05 | 126.713 | 1250.57 | -21.31 | 28.58 | 2.00 | 126.71 | 21.38 |
| 5099.18 | 9.05 | 126.713 | 5049.43 | -383.00 | 513.58 | 0.00 | 0.00 | 384.20 |
| 5551.63 | 0.00 | 0.000 | 5500.00 | -404.31 | 542.16 | 2.00 | 180.00 | 405.58 |
| 5912.17 | 0.00 | 0.000 | 5860.54 | -404.31 | 542.16 | 0.00 | 0.00 | 405.58 |
| 6663.07 | 90.11 | 179.866 | 6338.00 | -882.67 | 543.28 | 12.00 | 179.87 | 883.94 |
| 16270.30 | 90.11 | 179.866 | 6320.00 | -10489.86 | 565.79 | 0.00 | 0.00 | 10491.15 |

WELL DETAILS: Anschutz State Fed 5-62-27-0263B2

| +N/-S | +E/-W | GL 4680' & KB 16' @ 4696.00ft | 4680.00 | Longitude |
|-------|-------|-------------------------------|------------|------------------|
| 0.00 | 0.00 | Northing | Easting | Latitude |
| 0.00 | 0.00 | 1383138.21 | 3329278.76 | 40° 22' 44.731 N |
| | | | | 104° 19' 4.958 W |





Bill Barrett Corp.

Weld County, CO NAD 83
Anschutz State 5-62-22_23 SWSW Pad.
Anschutz State Fed 5-62-27-0263B2

OH

Plan: Plan 2

Standard Planning Report

26 August, 2016



| | | | |
|------------------|-------------------------------------|-------------------------------------|--|
| Database: | Casper District | Local Co-ordinate Reference: | Well Anschutz State Fed 5-62-27-0263B2 |
| Company: | Bill Barrett Corp. | TVD Reference: | GL 4680' & KB 16' @ 4696.00ft |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4680' & KB 16' @ 4696.00ft |
| Site: | Anschutz State 5-62-22_23 SWSW Pad. | North Reference: | True |
| Well: | Anschutz State Fed 5-62-27-0263B2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 2 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Weld County, CO NAD 83 | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| | | | | | |
|-----------------------|----------|---|-------------------|-------------------|------------------|
| Site | | Anschutz State 5-62-22_23 SWSW Pad., Site Center: 5-62-27-0164B2B | | | |
| Site Position: | | Northing: | 1,383,138.54 usft | Latitude: | 40° 22' 44.738 N |
| From: | Lat/Long | Easting: | 3,329,248.39 usft | Longitude: | 104° 19' 5.351 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13.200 in | Grid Convergence: | 0.76 ° |

| | | | | | | |
|----------------------|--|----------|---------------------|-------------------|---------------|------------------|
| Well | Anschutz State Fed 5-62-27-0263B2, 388' FSL 430' FWL Sec 22 T5N R62W | | | | | |
| Well Position | +N/-S | -0.74 ft | Northing: | 1,383,138.21 usft | Latitude: | 40° 22' 44.731 N |
| | +E/-W | 30.37 ft | Easting: | 3,329,278.76 usft | Longitude: | 104° 19' 4.958 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | 0.00 ft | Ground Level: | 4,680.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | BGGM2015 | 11/11/2015 | 8.26 | 67.02 | 52,634 |
| | BGGM2016 | 8/26/2016 | 8.19 | 66.96 | 52,539 |

| | | | | |
|--------------------------|-------------------------|-------------------|----------------------|----------------------|
| Design | Plan 2 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 179.866 |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|--------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 800.00 | 0.00 | 0.000 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,252.45 | 9.05 | 126.713 | 1,250.57 | -21.31 | 28.58 | 2.00 | 2.00 | 0.00 | 126.71 | |
| 5,099.18 | 9.05 | 126.713 | 5,049.43 | -383.00 | 513.58 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,551.63 | 0.00 | 0.000 | 5,500.00 | -404.31 | 542.16 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 5,912.17 | 0.00 | 0.000 | 5,860.54 | -404.31 | 542.16 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,663.07 | 90.11 | 179.866 | 6,338.00 | -882.67 | 543.28 | 12.00 | 12.00 | 23.95 | 179.87 | |
| 16,270.29 | 90.11 | 179.866 | 6,320.00 | -10,489.85 | 565.79 | 0.00 | 0.00 | 0.00 | 0.00 | 5-62-27-0263B2 PBH |

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|------------------|-------------------------------------|-------------------------------------|--|
| Database: | Casper District | Local Co-ordinate Reference: | Well Anschutz State Fed 5-62-27-0263B2 |
| Company: | Bill Barrett Corp. | TVD Reference: | GL 4680' & KB 16' @ 4696.00ft |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4680' & KB 16' @ 4696.00ft |
| Site: | Anschutz State 5-62-22_23 SWSW Pad. | North Reference: | True |
| Well: | Anschutz State Fed 5-62-27-0263B2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 2 | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.000 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.000 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.000 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.000 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.000 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.000 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.00 | 0.000 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.000 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start Build 2.00 | | | | | | | | | |
| 900.00 | 2.00 | 126.713 | 899.98 | -1.04 | 1.40 | 1.05 | 2.00 | 2.00 | 0.00 |
| 1,000.00 | 4.00 | 126.713 | 999.84 | -4.17 | 5.59 | 4.18 | 2.00 | 2.00 | 0.00 |
| 1,100.00 | 6.00 | 126.713 | 1,099.45 | -9.38 | 12.58 | 9.41 | 2.00 | 2.00 | 0.00 |
| 1,200.00 | 8.00 | 126.713 | 1,198.70 | -16.67 | 22.35 | 16.72 | 2.00 | 2.00 | 0.00 |
| 1,252.45 | 9.05 | 126.713 | 1,250.57 | -21.31 | 28.58 | 21.38 | 2.00 | 2.00 | 0.00 |
| Start 3846.73 hold at 1252.45 MD | | | | | | | | | |
| 1,300.00 | 9.05 | 126.713 | 1,297.53 | -25.79 | 34.58 | 25.87 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 9.05 | 126.713 | 1,396.29 | -35.19 | 47.19 | 35.30 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 9.05 | 126.713 | 1,495.04 | -44.59 | 59.79 | 44.73 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 9.05 | 126.713 | 1,593.80 | -53.99 | 72.40 | 54.16 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 9.05 | 126.713 | 1,692.55 | -63.40 | 85.01 | 63.59 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 9.05 | 126.713 | 1,791.31 | -72.80 | 97.62 | 73.03 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 9.05 | 126.713 | 1,890.06 | -82.20 | 110.23 | 82.46 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 9.05 | 126.713 | 1,988.82 | -91.60 | 122.83 | 91.89 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 9.05 | 126.713 | 2,087.57 | -101.00 | 135.44 | 101.32 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 9.05 | 126.713 | 2,186.33 | -110.41 | 148.05 | 110.75 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 9.05 | 126.713 | 2,285.08 | -119.81 | 160.66 | 120.18 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 9.05 | 126.713 | 2,383.84 | -129.21 | 173.27 | 129.62 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 9.05 | 126.713 | 2,482.59 | -138.61 | 185.87 | 139.05 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 9.05 | 126.713 | 2,581.35 | -148.02 | 198.48 | 148.48 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 9.05 | 126.713 | 2,680.11 | -157.42 | 211.09 | 157.91 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 9.05 | 126.713 | 2,778.86 | -166.82 | 223.70 | 167.34 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 9.05 | 126.713 | 2,877.62 | -176.22 | 236.31 | 176.78 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 9.05 | 126.713 | 2,976.37 | -185.63 | 248.91 | 186.21 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 9.05 | 126.713 | 3,075.13 | -195.03 | 261.52 | 195.64 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 9.05 | 126.713 | 3,173.88 | -204.43 | 274.13 | 205.07 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 9.05 | 126.713 | 3,272.64 | -213.83 | 286.74 | 214.50 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 9.05 | 126.713 | 3,371.39 | -223.24 | 299.35 | 223.93 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 9.05 | 126.713 | 3,470.15 | -232.64 | 311.95 | 233.37 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 9.05 | 126.713 | 3,568.90 | -242.04 | 324.56 | 242.80 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 9.05 | 126.713 | 3,667.66 | -251.44 | 337.17 | 252.23 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 9.05 | 126.713 | 3,766.42 | -260.84 | 349.78 | 261.66 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 9.05 | 126.713 | 3,865.17 | -270.25 | 362.39 | 271.09 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 9.05 | 126.713 | 3,963.93 | -279.65 | 375.00 | 280.53 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 9.05 | 126.713 | 4,062.68 | -289.05 | 387.60 | 289.96 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 9.05 | 126.713 | 4,161.44 | -298.45 | 400.21 | 299.39 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 9.05 | 126.713 | 4,260.19 | -307.86 | 412.82 | 308.82 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 9.05 | 126.713 | 4,358.95 | -317.26 | 425.43 | 318.25 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 9.05 | 126.713 | 4,457.70 | -326.66 | 438.04 | 327.68 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 9.05 | 126.713 | 4,556.46 | -336.06 | 450.64 | 337.12 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 9.05 | 126.713 | 4,655.21 | -345.47 | 463.25 | 346.55 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 9.05 | 126.713 | 4,753.97 | -354.87 | 475.86 | 355.98 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 9.05 | 126.713 | 4,852.72 | -364.27 | 488.47 | 365.41 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 9.05 | 126.713 | 4,951.48 | -373.67 | 501.08 | 374.84 | 0.00 | 0.00 | 0.00 |

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|------------------|-------------------------------------|-------------------------------------|--|
| Database: | Casper District | Local Co-ordinate Reference: | Well Anschutz State Fed 5-62-27-0263B2 |
| Company: | Bill Barrett Corp. | TVD Reference: | GL 4680' & KB 16' @ 4696.00ft |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4680' & KB 16' @ 4696.00ft |
| Site: | Anschutz State 5-62-22_23 SWSW Pad. | North Reference: | True |
| Well: | Anschutz State Fed 5-62-27-0263B2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 2 | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 5,099.18 | 9.05 | 126.713 | 5,049.43 | -383.00 | 513.58 | 384.20 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 5,100.00 | 9.03 | 126.713 | 5,050.24 | -383.08 | 513.68 | 384.28 | 2.00 | -2.00 | 0.00 |
| 5,200.00 | 7.03 | 126.713 | 5,149.25 | -391.43 | 524.89 | 392.65 | 2.00 | -2.00 | 0.00 |
| 5,300.00 | 5.03 | 126.713 | 5,248.69 | -397.71 | 533.31 | 398.96 | 2.00 | -2.00 | 0.00 |
| 5,400.00 | 3.03 | 126.713 | 5,348.44 | -401.91 | 538.95 | 403.17 | 2.00 | -2.00 | 0.00 |
| 5,500.00 | 1.03 | 126.713 | 5,448.37 | -404.04 | 541.79 | 405.30 | 2.00 | -2.00 | 0.00 |
| 5,551.63 | 0.00 | 0.000 | 5,500.00 | -404.31 | 542.16 | 405.58 | 2.00 | -2.00 | 0.00 |
| Start 360.54 hold at 5551.63 MD | | | | | | | | | |
| 5,600.00 | 0.00 | 0.000 | 5,548.37 | -404.31 | 542.16 | 405.58 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.00 | 0.000 | 5,648.37 | -404.31 | 542.16 | 405.58 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.00 | 0.000 | 5,748.37 | -404.31 | 542.16 | 405.58 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.00 | 0.000 | 5,848.37 | -404.31 | 542.16 | 405.58 | 0.00 | 0.00 | 0.00 |
| 5,912.17 | 0.00 | 0.000 | 5,860.54 | -404.31 | 542.16 | 405.58 | 0.00 | 0.00 | 0.00 |
| Start DLS 12.00 TFO 179.87 | | | | | | | | | |
| 6,000.00 | 10.54 | 179.866 | 5,947.87 | -412.37 | 542.18 | 413.64 | 12.00 | 12.00 | 0.00 |
| 6,100.00 | 22.54 | 179.866 | 6,043.56 | -440.78 | 542.25 | 442.05 | 12.00 | 12.00 | 0.00 |
| 6,200.00 | 34.54 | 179.866 | 6,131.25 | -488.47 | 542.36 | 489.74 | 12.00 | 12.00 | 0.00 |
| 6,300.00 | 46.54 | 179.866 | 6,207.11 | -553.35 | 542.51 | 554.62 | 12.00 | 12.00 | 0.00 |
| 6,400.00 | 58.54 | 179.866 | 6,267.82 | -632.58 | 542.70 | 633.85 | 12.00 | 12.00 | 0.00 |
| 6,500.00 | 70.54 | 179.866 | 6,310.73 | -722.70 | 542.91 | 723.97 | 12.00 | 12.00 | 0.00 |
| 6,600.00 | 82.54 | 179.866 | 6,333.96 | -819.78 | 543.14 | 821.05 | 12.00 | 12.00 | 0.00 |
| 6,663.07 | 90.11 | 179.866 | 6,338.00 | -882.67 | 543.28 | 883.94 | 12.00 | 12.00 | 0.00 |
| Start 9607.23 hold at 6663.07 MD | | | | | | | | | |
| 6,700.00 | 90.11 | 179.866 | 6,337.93 | -919.60 | 543.37 | 920.87 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 90.11 | 179.866 | 6,337.75 | -1,019.60 | 543.60 | 1,020.87 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 90.11 | 179.866 | 6,337.56 | -1,119.60 | 543.84 | 1,120.87 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 90.11 | 179.866 | 6,337.37 | -1,219.60 | 544.07 | 1,220.87 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 90.11 | 179.866 | 6,337.19 | -1,319.60 | 544.31 | 1,320.87 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 90.11 | 179.866 | 6,337.00 | -1,419.60 | 544.54 | 1,420.87 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 90.11 | 179.866 | 6,336.81 | -1,519.60 | 544.78 | 1,520.87 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 90.11 | 179.866 | 6,336.62 | -1,619.60 | 545.01 | 1,620.87 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 90.11 | 179.866 | 6,336.44 | -1,719.60 | 545.24 | 1,720.87 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 90.11 | 179.866 | 6,336.25 | -1,819.60 | 545.48 | 1,820.87 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 90.11 | 179.866 | 6,336.06 | -1,919.60 | 545.71 | 1,920.87 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 90.11 | 179.866 | 6,335.87 | -2,019.60 | 545.95 | 2,020.87 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 90.11 | 179.866 | 6,335.69 | -2,119.60 | 546.18 | 2,120.87 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 90.11 | 179.866 | 6,335.50 | -2,219.60 | 546.42 | 2,220.87 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 90.11 | 179.866 | 6,335.31 | -2,319.60 | 546.65 | 2,320.87 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.11 | 179.866 | 6,335.12 | -2,419.60 | 546.88 | 2,420.87 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.11 | 179.866 | 6,334.94 | -2,519.60 | 547.12 | 2,520.87 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.11 | 179.866 | 6,334.75 | -2,619.60 | 547.35 | 2,620.87 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 90.11 | 179.866 | 6,334.56 | -2,719.60 | 547.59 | 2,720.87 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 90.11 | 179.866 | 6,334.37 | -2,819.60 | 547.82 | 2,820.87 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 90.11 | 179.866 | 6,334.19 | -2,919.59 | 548.06 | 2,920.87 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.11 | 179.866 | 6,334.00 | -3,019.59 | 548.29 | 3,020.87 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.11 | 179.866 | 6,333.81 | -3,119.59 | 548.52 | 3,120.87 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.11 | 179.866 | 6,333.62 | -3,219.59 | 548.76 | 3,220.87 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.11 | 179.866 | 6,333.44 | -3,319.59 | 548.99 | 3,320.87 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.11 | 179.866 | 6,333.25 | -3,419.59 | 549.23 | 3,420.87 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.11 | 179.866 | 6,333.06 | -3,519.59 | 549.46 | 3,520.87 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.11 | 179.866 | 6,332.88 | -3,619.59 | 549.70 | 3,620.87 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.11 | 179.866 | 6,332.69 | -3,719.59 | 549.93 | 3,720.87 | 0.00 | 0.00 | 0.00 |

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|------------------|-------------------------------------|-------------------------------------|--|
| Database: | Casper District | Local Co-ordinate Reference: | Well Anschutz State Fed 5-62-27-0263B2 |
| Company: | Bill Barrett Corp. | TVD Reference: | GL 4680' & KB 16' @ 4696.00ft |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4680' & KB 16' @ 4696.00ft |
| Site: | Anschutz State 5-62-22_23 SWSW Pad. | North Reference: | True |
| Well: | Anschutz State Fed 5-62-27-0263B2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 2 | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 9,600.00 | 90.11 | 179.866 | 6,332.50 | -3,819.59 | 550.16 | 3,820.87 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.11 | 179.866 | 6,332.31 | -3,919.59 | 550.40 | 3,920.87 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.11 | 179.866 | 6,332.13 | -4,019.59 | 550.63 | 4,020.87 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.11 | 179.866 | 6,331.94 | -4,119.59 | 550.87 | 4,120.87 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.11 | 179.866 | 6,331.75 | -4,219.59 | 551.10 | 4,220.87 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.11 | 179.866 | 6,331.56 | -4,319.59 | 551.34 | 4,320.87 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.11 | 179.866 | 6,331.38 | -4,419.59 | 551.57 | 4,420.87 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.11 | 179.866 | 6,331.19 | -4,519.59 | 551.80 | 4,520.87 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.11 | 179.866 | 6,331.00 | -4,619.59 | 552.04 | 4,620.87 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.11 | 179.866 | 6,330.81 | -4,719.59 | 552.27 | 4,720.87 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.11 | 179.866 | 6,330.63 | -4,819.59 | 552.51 | 4,820.87 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.11 | 179.866 | 6,330.44 | -4,919.59 | 552.74 | 4,920.86 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.11 | 179.866 | 6,330.25 | -5,019.59 | 552.98 | 5,020.86 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.11 | 179.866 | 6,330.06 | -5,119.58 | 553.21 | 5,120.86 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.11 | 179.866 | 6,329.88 | -5,219.58 | 553.44 | 5,220.86 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.11 | 179.866 | 6,329.69 | -5,319.58 | 553.68 | 5,320.86 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.11 | 179.866 | 6,329.50 | -5,419.58 | 553.91 | 5,420.86 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.11 | 179.866 | 6,329.31 | -5,519.58 | 554.15 | 5,520.86 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.11 | 179.866 | 6,329.13 | -5,619.58 | 554.38 | 5,620.86 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 90.11 | 179.866 | 6,328.94 | -5,719.58 | 554.62 | 5,720.86 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 90.11 | 179.866 | 6,328.75 | -5,819.58 | 554.85 | 5,820.86 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 90.11 | 179.866 | 6,328.56 | -5,919.58 | 555.08 | 5,920.86 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 90.11 | 179.866 | 6,328.38 | -6,019.58 | 555.32 | 6,020.86 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.11 | 179.866 | 6,328.19 | -6,119.58 | 555.55 | 6,120.86 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.11 | 179.866 | 6,328.00 | -6,219.58 | 555.79 | 6,220.86 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.11 | 179.866 | 6,327.82 | -6,319.58 | 556.02 | 6,320.86 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 90.11 | 179.866 | 6,327.63 | -6,419.58 | 556.26 | 6,420.86 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 90.11 | 179.866 | 6,327.44 | -6,519.58 | 556.49 | 6,520.86 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 90.11 | 179.866 | 6,327.25 | -6,619.58 | 556.72 | 6,620.86 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 90.11 | 179.866 | 6,327.07 | -6,719.58 | 556.96 | 6,720.86 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 90.11 | 179.866 | 6,326.88 | -6,819.58 | 557.19 | 6,820.86 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 90.11 | 179.866 | 6,326.69 | -6,919.58 | 557.43 | 6,920.86 | 0.00 | 0.00 | 0.00 |
| 12,800.00 | 90.11 | 179.866 | 6,326.50 | -7,019.58 | 557.66 | 7,020.86 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 90.11 | 179.866 | 6,326.32 | -7,119.58 | 557.90 | 7,120.86 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 90.11 | 179.866 | 6,326.13 | -7,219.58 | 558.13 | 7,220.86 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 90.11 | 179.866 | 6,325.94 | -7,319.57 | 558.36 | 7,320.86 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 90.11 | 179.866 | 6,325.75 | -7,419.57 | 558.60 | 7,420.86 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 90.11 | 179.866 | 6,325.57 | -7,519.57 | 558.83 | 7,520.86 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 90.11 | 179.866 | 6,325.38 | -7,619.57 | 559.07 | 7,620.86 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 90.11 | 179.866 | 6,325.19 | -7,719.57 | 559.30 | 7,720.86 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 90.11 | 179.866 | 6,325.00 | -7,819.57 | 559.54 | 7,820.86 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 90.11 | 179.866 | 6,324.82 | -7,919.57 | 559.77 | 7,920.86 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 90.11 | 179.866 | 6,324.63 | -8,019.57 | 560.00 | 8,020.86 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 90.11 | 179.866 | 6,324.44 | -8,119.57 | 560.24 | 8,120.86 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 90.11 | 179.866 | 6,324.25 | -8,219.57 | 560.47 | 8,220.86 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 90.11 | 179.866 | 6,324.07 | -8,319.57 | 560.71 | 8,320.86 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 90.11 | 179.866 | 6,323.88 | -8,419.57 | 560.94 | 8,420.86 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 90.11 | 179.866 | 6,323.69 | -8,519.57 | 561.18 | 8,520.86 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 90.11 | 179.866 | 6,323.51 | -8,619.57 | 561.41 | 8,620.86 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 90.11 | 179.866 | 6,323.32 | -8,719.57 | 561.64 | 8,720.86 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 90.11 | 179.866 | 6,323.13 | -8,819.57 | 561.88 | 8,820.86 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 90.11 | 179.866 | 6,322.94 | -8,919.57 | 562.11 | 8,920.86 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 90.11 | 179.866 | 6,322.76 | -9,019.57 | 562.35 | 9,020.86 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 90.11 | 179.866 | 6,322.57 | -9,119.57 | 562.58 | 9,120.86 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-------------------------------------|-------------------------------------|--|
| Database: | Casper District | Local Co-ordinate Reference: | Well Anschutz State Fed 5-62-27-0263B2 |
| Company: | Bill Barrett Corp. | TVD Reference: | GL 4680' & KB 16' @ 4696.00ft |
| Project: | Weld County, CO NAD 83 | MD Reference: | GL 4680' & KB 16' @ 4696.00ft |
| Site: | Anschutz State 5-62-22_23 SWSW Pad. | North Reference: | True |
| Well: | Anschutz State Fed 5-62-27-0263B2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan 2 | | |

| Planned Survey | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | |
| 15,000.00 | 90.11 | 179.866 | 6,322.38 | -9,219.57 | 562.82 | 9,220.86 | 0.00 | 0.00 | 0.00 | |
| 15,100.00 | 90.11 | 179.866 | 6,322.19 | -9,319.57 | 563.05 | 9,320.86 | 0.00 | 0.00 | 0.00 | |
| 15,200.00 | 90.11 | 179.866 | 6,322.01 | -9,419.57 | 563.28 | 9,420.86 | 0.00 | 0.00 | 0.00 | |
| 15,300.00 | 90.11 | 179.866 | 6,321.82 | -9,519.57 | 563.52 | 9,520.86 | 0.00 | 0.00 | 0.00 | |
| 15,400.00 | 90.11 | 179.866 | 6,321.63 | -9,619.56 | 563.75 | 9,620.86 | 0.00 | 0.00 | 0.00 | |
| 15,500.00 | 90.11 | 179.866 | 6,321.44 | -9,719.56 | 563.99 | 9,720.86 | 0.00 | 0.00 | 0.00 | |
| 15,600.00 | 90.11 | 179.866 | 6,321.26 | -9,819.56 | 564.22 | 9,820.86 | 0.00 | 0.00 | 0.00 | |
| 15,700.00 | 90.11 | 179.866 | 6,321.07 | -9,919.56 | 564.46 | 9,920.86 | 0.00 | 0.00 | 0.00 | |
| 15,800.00 | 90.11 | 179.866 | 6,320.88 | -10,019.56 | 564.69 | 10,020.86 | 0.00 | 0.00 | 0.00 | |
| 15,900.00 | 90.11 | 179.866 | 6,320.69 | -10,119.56 | 564.92 | 10,120.86 | 0.00 | 0.00 | 0.00 | |
| 16,000.00 | 90.11 | 179.866 | 6,320.51 | -10,219.56 | 565.16 | 10,220.86 | 0.00 | 0.00 | 0.00 | |
| 16,100.00 | 90.11 | 179.866 | 6,320.32 | -10,319.56 | 565.39 | 10,320.86 | 0.00 | 0.00 | 0.00 | |
| 16,200.00 | 90.11 | 179.866 | 6,320.13 | -10,419.56 | 565.63 | 10,420.86 | 0.00 | 0.00 | 0.00 | |
| 16,270.29 | 90.11 | 179.866 | 6,320.00 | -10,489.85 | 565.79 | 10,491.15 | 0.00 | 0.00 | 0.00 | |
| TD at 16270.30 | | | | | | | | | | |

| Design Targets | | | | | | | | | | |
|--|---------------|--------------|----------|------------|------------|-----------------|----------------|------------------|-------------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| 5-62-27-0263B2 PBHL - hit/miss target - Shape - Point | 0.00 | 0.000 | 6,320.00 | -10,489.85 | 565.79 | 1,372,656.85 | 3,329,984.32 | 40° 21' 1.069 N | 104° 18' 57.650 W | |
| 5-62-27-0263B2 LP - plan hits target center - Point | 0.00 | 0.000 | 6,338.00 | -882.67 | 543.28 | 1,382,262.86 | 3,329,833.76 | 40° 22' 36.008 N | 104° 18' 57.938 W | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|----------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 800.00 | 800.00 | 0.00 | 0.00 | Start Build 2.00 | |
| 1,252.45 | 1,250.57 | -21.31 | 28.58 | Start 3846.73 hold at 1252.45 MD | |
| 5,099.18 | 5,049.43 | -383.00 | 513.58 | Start Drop -2.00 | |
| 5,551.63 | 5,500.00 | -404.31 | 542.16 | Start 360.54 hold at 5551.63 MD | |
| 5,912.17 | 5,860.54 | -404.31 | 542.16 | Start DLS 12.00 TFO 179.87 | |
| 6,663.07 | 6,338.00 | -882.67 | 543.28 | Start 9607.23 hold at 6663.07 MD | |
| 16,270.29 | 6,320.00 | -10,489.85 | 565.79 | TD at 16270.30 | |