

BILL BARRETT CORP

WELD COUNTY, COLORADO

Anschutz State 4-62-2 Pad

ANSCHUTZ STATE 4-62-2-3228CH2

Wellbore #1

Plan: Design #1

Standard Planning Report

14 January, 2014



Bill Barrett Corporation

COMPANY DETAILS: BILL BARRETT CORP

Calculation Method: Minimum Curvature
Error System: ISCWSA
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error Ratio

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well ANSCHUTZ STATE 4-62-2-3228CH2, True North
Vertical (TVD) Reference: KB @ 4566.0ft (Original Well Elev)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: KB @ 4566.0ft (Original Well Elev)
Calculation Method: Minimum Curvature

WELL DETAILS: ANSCHUTZ STATE 4-62-2-3228CH2

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|-------|-------|------------|-------------------|----------|------------------|
| 0.0 | 0.0 | 1370642.13 | 3333999.2040° 20' | 40.628 N | 104° 18' 6.149 W |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|---------|-------|--------|--------|--------|--------|-------|--------|--------|-------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 1000.0 | 0.00 | 0.00 | 1000.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1609.0 | 12.18 | 192.83 | 1604.4 | -62.9 | -14.3 | 2.00 | 192.83 | -8.7 | |
| 4 | 5406.9 | 12.18 | 192.83 | 5316.8 | -844.1 | -192.3 | 0.00 | 0.00 | -117.5 | |
| 5 | 5508.4 | 0.00 | 88.96 | 5417.5 | -854.6 | -194.7 | 12.00 | 180.00 | -118.9 | |
| 6 | 5758.4 | 0.00 | 88.96 | 5667.5 | -854.6 | -194.7 | 0.00 | 88.96 | -118.9 | |
| 7 | 6510.5 | 90.26 | 88.96 | 6145.0 | -845.9 | 284.9 | 12.00 | 88.96 | 358.0 | AS 2-3228CH2 LP |
| 8 | 14237.9 | 90.26 | 88.96 | 6110.0 | -705.8 | 8010.9 | 0.00 | 0.00 | 8041.9 | AS 2-3228CH2 PBHL |

PROJECT DETAILS: WELD COUNTY, COLORADO

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone

FORMATION TOP DETAILS

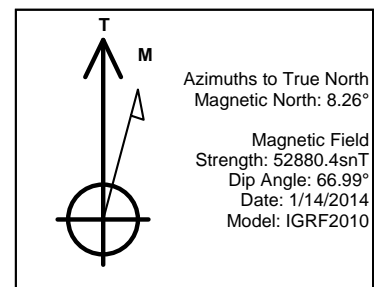
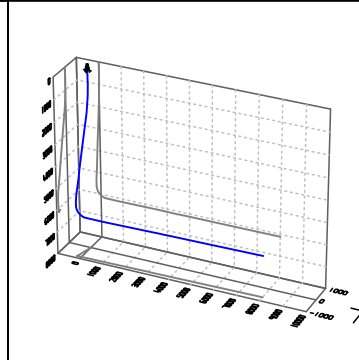
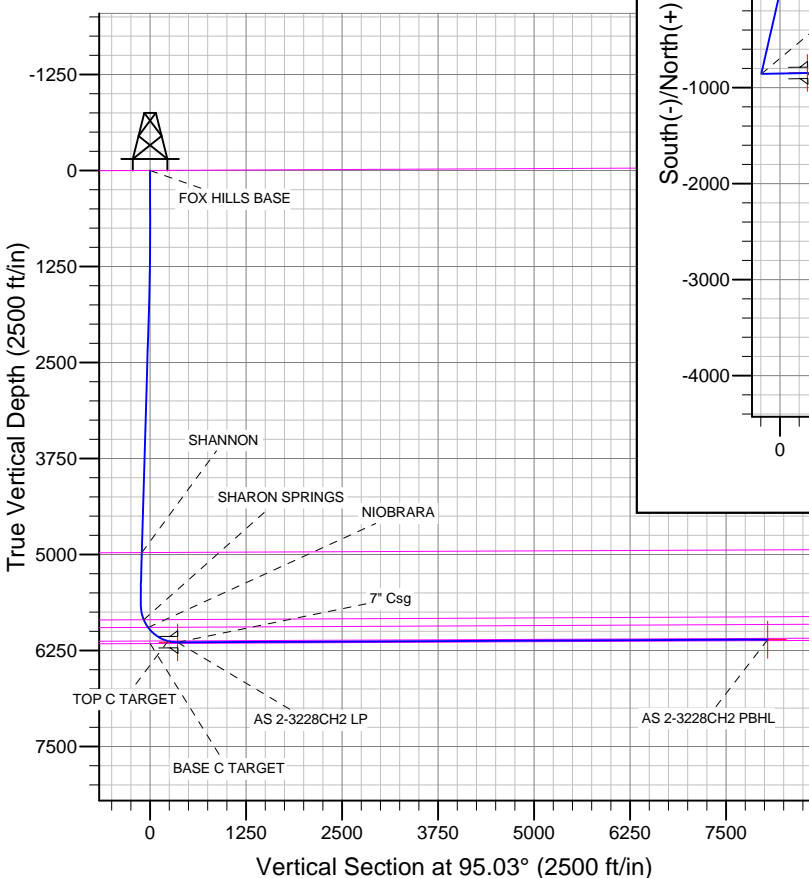
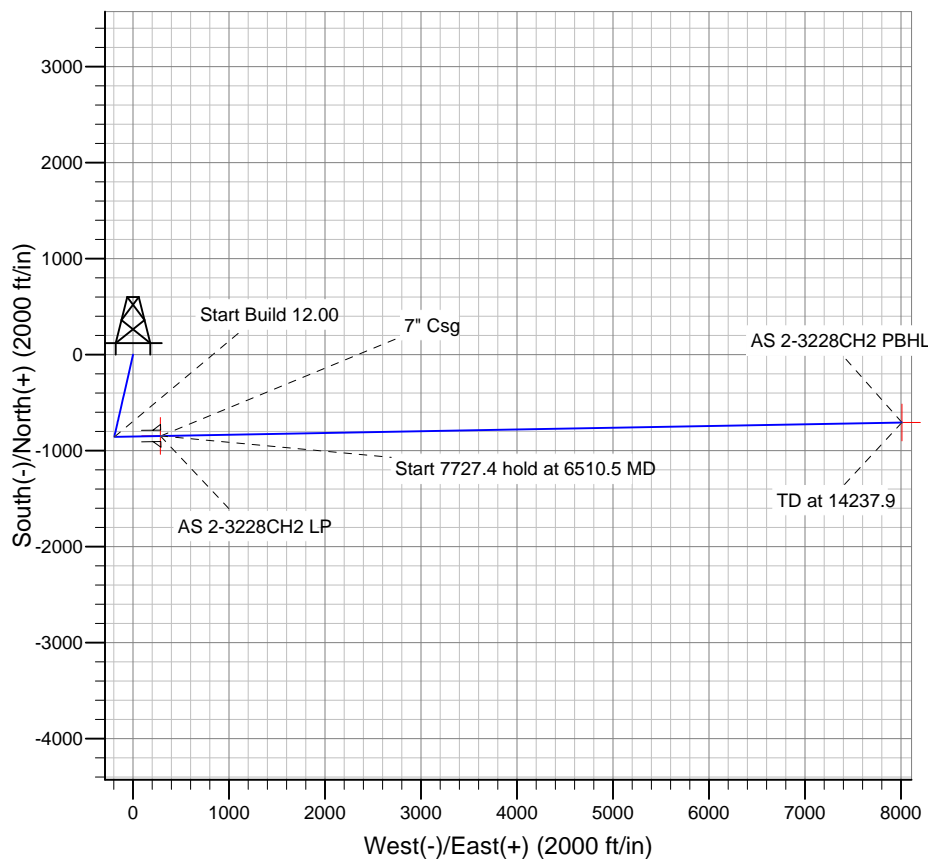
| TVDPath | MDPath | Formation |
|---------|--------|----------------|
| | | BASE C TARGET |
| | | FOX HILLS BASE |
| 4977.9 | 5060.1 | SHANNON |
| 5851.8 | 5947.5 | SHARON SPRINGS |
| 5951.5 | 6062.5 | NIOBRARA |
| 6128.4 | 6381.9 | TOP C TARGET |

WELLBORE TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Shape |
|-------------------|--------|--------|--------|-------|
| AS 2-3228CH2 PBHL | 6110.0 | -705.8 | 8010.9 | Point |
| AS 2-3228CH2 LP | 6145.0 | -845.9 | 284.9 | Point |

CASING DETAILS

| TVD | MD | Name | Size |
|--------|--------|--------|------|
| 6145.0 | 6515.0 | 7" Csg | 7 |



Bill Barrett Corp

Planning Report

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|------------------|-------------------------------|-------------------------------------|------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well ANSCHUTZ STATE 4-62-2-3228CH2 |
| Company: | BILL BARRETT CORP | TVD Reference: | KB @ 4566.0ft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO | MD Reference: | KB @ 4566.0ft (Original Well Elev) |
| Site: | Anschutz State 4-62-2 Pad | North Reference: | True |
| Well: | ANSCHUTZ STATE 4-62-2-3228CH2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | WELD COUNTY, COLORADO | | |
| 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 4-62-2 Pad | | | |
| Site Position: | | Northing: | 1,370,746.63ft | Latitude: | 40° 20' 41.662 N |
| From: | Lat/Long | Easting: | 3,333,993.88ft | Longitude: | 104° 18' 6.199 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | " | Grid Convergence: | 0.77 ° |

| Well | | ANSCHUTZ STATE 4-62-2-3228CH2 | | | | |
|----------------------|------|-------------------------------|---------------------|-----------------|---------------|------------------|
| Well Position | +N-S | -104.6 ft | Northing: | 1,370,642.13 ft | Latitude: | 40° 20' 40.628 N |
| | +E-W | 3.9 ft | Easting: | 3,333,999.20 ft | Longitude: | 104° 18' 6.149 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,544.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 1/14/2014 | 8.26 | 66.99 | 52,880 |

| | | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|--|
| Design | Design #1 | | | | |
| Audit Notes: | | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 | |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.0 | 0.0 | 0.0 | 95.03 | |

| 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 |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,609.0 | 12.18 | 192.83 | 1,604.4 | -62.9 | -14.3 | 2.00 | 2.00 | 0.00 | 192.83 | |
| 5,406.9 | 12.18 | 192.83 | 5,316.8 | -844.1 | -192.3 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,508.4 | 0.00 | 88.96 | 5,417.5 | -854.6 | -194.7 | 12.00 | -12.00 | 0.00 | 180.00 | |
| 5,758.4 | 0.00 | 88.96 | 5,667.5 | -854.6 | -194.7 | 0.00 | 0.00 | 0.00 | 88.96 | |
| 6,510.5 | 90.26 | 88.96 | 6,145.0 | -845.9 | 284.9 | 12.00 | 12.00 | 0.00 | 88.96 | AS 2-3228CH2 LP |
| 14,237.9 | 90.26 | 88.96 | 6,110.0 | -705.8 | 8,010.9 | 0.00 | 0.00 | 0.00 | 0.00 | AS 2-3228CH2 PB |

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Planning Report

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|------------------|-------------------------------|-------------------------------------|------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well ANSCHUTZ STATE 4-62-2-3228CH2 |
| Company: | BILL BARRETT CORP | TVD Reference: | KB @ 4566.0ft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO | MD Reference: | KB @ 4566.0ft (Original Well Elev) |
| Site: | Anschutz State 4-62-2 Pad | North Reference: | True |
| Well: | ANSCHUTZ STATE 4-62-2-3228CH2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| 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) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 2.00 | 192.83 | 1,100.0 | -1.7 | -0.4 | -0.2 | 2.00 | 2.00 | 0.00 |
| 1,200.0 | 4.00 | 192.83 | 1,199.8 | -6.8 | -1.5 | -0.9 | 2.00 | 2.00 | 0.00 |
| 1,300.0 | 6.00 | 192.83 | 1,299.5 | -15.3 | -3.5 | -2.1 | 2.00 | 2.00 | 0.00 |
| 1,400.0 | 8.00 | 192.83 | 1,398.7 | -27.2 | -6.2 | -3.8 | 2.00 | 2.00 | 0.00 |
| 1,500.0 | 10.00 | 192.83 | 1,497.5 | -42.4 | -9.7 | -5.9 | 2.00 | 2.00 | 0.00 |
| 1,600.0 | 12.00 | 192.83 | 1,595.6 | -61.0 | -13.9 | -8.5 | 2.00 | 2.00 | 0.00 |
| 1,609.0 | 12.18 | 192.83 | 1,604.4 | -62.9 | -14.3 | -8.7 | 2.00 | 2.00 | 0.00 |
| 1,700.0 | 12.18 | 192.83 | 1,693.4 | -81.6 | -18.6 | -11.4 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 12.18 | 192.83 | 1,791.1 | -102.2 | -23.3 | -14.2 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 12.18 | 192.83 | 1,888.9 | -122.7 | -28.0 | -17.1 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 12.18 | 192.83 | 1,986.6 | -143.3 | -32.6 | -19.9 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 12.18 | 192.83 | 2,084.4 | -163.9 | -37.3 | -22.8 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 12.18 | 192.83 | 2,182.1 | -184.4 | -42.0 | -25.7 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 12.18 | 192.83 | 2,279.9 | -205.0 | -46.7 | -28.5 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 12.18 | 192.83 | 2,377.6 | -225.6 | -51.4 | -31.4 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 12.18 | 192.83 | 2,475.4 | -246.2 | -56.1 | -34.3 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 12.18 | 192.83 | 2,573.1 | -266.7 | -60.8 | -37.1 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 12.18 | 192.83 | 2,670.9 | -287.3 | -65.4 | -40.0 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 12.18 | 192.83 | 2,768.6 | -307.9 | -70.1 | -42.8 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 12.18 | 192.83 | 2,866.4 | -328.4 | -74.8 | -45.7 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 12.18 | 192.83 | 2,964.1 | -349.0 | -79.5 | -48.6 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 12.18 | 192.83 | 3,061.9 | -369.6 | -84.2 | -51.4 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 12.18 | 192.83 | 3,159.6 | -390.1 | -88.9 | -54.3 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 12.18 | 192.83 | 3,257.4 | -410.7 | -93.6 | -57.2 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 12.18 | 192.83 | 3,355.1 | -431.3 | -98.2 | -60.0 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 12.18 | 192.83 | 3,452.9 | -451.9 | -102.9 | -62.9 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 12.18 | 192.83 | 3,550.6 | -472.4 | -107.6 | -65.7 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 12.18 | 192.83 | 3,648.4 | -493.0 | -112.3 | -68.6 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 12.18 | 192.83 | 3,746.1 | -513.6 | -117.0 | -71.5 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 12.18 | 192.83 | 3,843.9 | -534.1 | -121.7 | -74.3 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 12.18 | 192.83 | 3,941.6 | -554.7 | -126.4 | -77.2 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 12.18 | 192.83 | 4,039.4 | -575.3 | -131.0 | -80.1 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 12.18 | 192.83 | 4,137.1 | -595.8 | -135.7 | -82.9 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 12.18 | 192.83 | 4,234.9 | -616.4 | -140.4 | -85.8 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 12.18 | 192.83 | 4,332.6 | -637.0 | -145.1 | -88.6 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 12.18 | 192.83 | 4,430.4 | -657.6 | -149.8 | -91.5 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 12.18 | 192.83 | 4,528.1 | -678.1 | -154.5 | -94.4 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 12.18 | 192.83 | 4,625.9 | -698.7 | -159.2 | -97.2 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 12.18 | 192.83 | 4,723.6 | -719.3 | -163.8 | -100.1 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 12.18 | 192.83 | 4,821.4 | -739.8 | -168.5 | -103.0 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 12.18 | 192.83 | 4,919.1 | -760.4 | -173.2 | -105.8 | 0.00 | 0.00 | 0.00 |
| 5,060.1 | 12.18 | 192.83 | 4,977.9 | -772.8 | -176.0 | -107.5 | 0.00 | 0.00 | 0.00 |
| SHANNON | | | | | | | | | |

Bill Barrett Corp

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well ANSCHUTZ STATE 4-62-2-3228CH2 |
| Company: | BILL BARRETT CORP | TVD Reference: | KB @ 4566.0ft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO | MD Reference: | KB @ 4566.0ft (Original Well Elev) |
| Site: | Anschutz State 4-62-2 Pad | North Reference: | True |
| Well: | ANSCHUTZ STATE 4-62-2-3228CH2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| 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) |
| 5,100.0 | 12.18 | 192.83 | 5,016.9 | -781.0 | -177.9 | -108.7 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 12.18 | 192.83 | 5,114.6 | -801.5 | -182.6 | -111.5 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 12.18 | 192.83 | 5,212.3 | -822.1 | -187.3 | -114.4 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 12.18 | 192.83 | 5,310.1 | -842.7 | -192.0 | -117.3 | 0.00 | 0.00 | 0.00 |
| 5,406.9 | 12.18 | 192.83 | 5,316.8 | -844.1 | -192.3 | -117.5 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 1.00 | 192.83 | 5,409.2 | -854.5 | -194.7 | -118.9 | 12.00 | -12.00 | 0.00 |
| 5,508.4 | 0.00 | 88.96 | 5,417.5 | -854.6 | -194.7 | -118.9 | 12.00 | -12.00 | 0.00 |
| 5,600.0 | 0.00 | 88.96 | 5,509.2 | -854.6 | -194.7 | -118.9 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 0.00 | 88.96 | 5,609.2 | -854.6 | -194.7 | -118.9 | 0.00 | 0.00 | 0.00 |
| 5,758.4 | 0.00 | 88.96 | 5,667.5 | -854.6 | -194.7 | -118.9 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 5.00 | 88.96 | 5,709.1 | -854.5 | -192.9 | -117.1 | 12.00 | 12.00 | 0.00 |
| 5,900.0 | 17.00 | 88.96 | 5,807.1 | -854.2 | -173.8 | -98.2 | 12.00 | 12.00 | 0.00 |
| 5,947.5 | 22.70 | 88.96 | 5,851.8 | -853.9 | -157.7 | -82.1 | 12.00 | 12.00 | 0.00 |
| SHARON SPRINGS | | | | | | | | | |
| 6,000.0 | 29.00 | 88.96 | 5,899.0 | -853.5 | -134.8 | -59.4 | 12.00 | 12.00 | 0.00 |
| 6,062.5 | 36.50 | 88.96 | 5,951.5 | -852.9 | -101.0 | -25.8 | 12.00 | 12.00 | 0.00 |
| NIOBRARA | | | | | | | | | |
| 6,100.0 | 41.00 | 88.96 | 5,980.8 | -852.5 | -77.6 | -2.5 | 12.00 | 12.00 | 0.00 |
| 6,200.0 | 53.00 | 88.96 | 6,048.8 | -851.1 | -4.6 | 70.1 | 12.00 | 12.00 | 0.00 |
| 6,300.0 | 65.00 | 88.96 | 6,100.3 | -849.6 | 80.9 | 155.2 | 12.00 | 12.00 | 0.00 |
| 6,381.9 | 74.82 | 88.96 | 6,128.4 | -848.2 | 157.7 | 231.6 | 12.00 | 12.00 | 0.00 |
| TOP C TARGET | | | | | | | | | |
| 6,400.0 | 77.00 | 88.96 | 6,132.8 | -847.9 | 175.3 | 249.0 | 12.00 | 12.00 | 0.00 |
| 6,500.0 | 89.00 | 88.96 | 6,144.9 | -846.1 | 274.4 | 347.6 | 12.00 | 12.00 | 0.00 |
| 6,510.5 | 90.26 | 88.96 | 6,145.0 | -845.9 | 284.9 | 358.0 | 12.00 | 12.00 | 0.00 |
| AS 2-3228CH2 LP | | | | | | | | | |
| 6,515.0 | 90.26 | 88.96 | 6,145.0 | -845.8 | 289.4 | 362.5 | 0.00 | 0.00 | 0.00 |
| 7" Csg | | | | | | | | | |
| 6,600.0 | 90.26 | 88.96 | 6,144.6 | -844.3 | 374.3 | 447.0 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 90.26 | 88.96 | 6,144.1 | -842.4 | 474.3 | 546.4 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 90.26 | 88.96 | 6,143.7 | -840.6 | 574.3 | 645.9 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 90.26 | 88.96 | 6,143.2 | -838.8 | 674.3 | 745.3 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 90.26 | 88.96 | 6,142.8 | -837.0 | 774.3 | 844.7 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 90.26 | 88.96 | 6,142.3 | -835.2 | 874.3 | 944.2 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 90.26 | 88.96 | 6,141.9 | -833.4 | 974.2 | 1,043.6 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 90.26 | 88.96 | 6,141.4 | -831.6 | 1,074.2 | 1,143.1 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 90.26 | 88.96 | 6,141.0 | -829.8 | 1,174.2 | 1,242.5 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 90.26 | 88.96 | 6,140.5 | -827.9 | 1,274.2 | 1,341.9 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 90.26 | 88.96 | 6,140.1 | -826.1 | 1,374.2 | 1,441.4 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 90.26 | 88.96 | 6,139.6 | -824.3 | 1,474.2 | 1,540.8 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 90.26 | 88.96 | 6,139.2 | -822.5 | 1,574.1 | 1,640.2 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 90.26 | 88.96 | 6,138.7 | -820.7 | 1,674.1 | 1,739.7 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 90.26 | 88.96 | 6,138.3 | -818.9 | 1,774.1 | 1,839.1 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 90.26 | 88.96 | 6,137.8 | -817.1 | 1,874.1 | 1,938.6 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 90.26 | 88.96 | 6,137.3 | -815.2 | 1,974.1 | 2,038.0 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 90.26 | 88.96 | 6,136.9 | -813.4 | 2,074.0 | 2,137.4 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 90.26 | 88.96 | 6,136.4 | -811.6 | 2,174.0 | 2,236.9 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 90.26 | 88.96 | 6,136.0 | -809.8 | 2,274.0 | 2,336.3 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 90.26 | 88.96 | 6,135.5 | -808.0 | 2,374.0 | 2,435.7 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 90.26 | 88.96 | 6,135.1 | -806.2 | 2,474.0 | 2,535.2 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 90.26 | 88.96 | 6,134.6 | -804.4 | 2,574.0 | 2,634.6 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 90.26 | 88.96 | 6,134.2 | -802.6 | 2,673.9 | 2,734.1 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 90.26 | 88.96 | 6,133.7 | -800.7 | 2,773.9 | 2,833.5 | 0.00 | 0.00 | 0.00 |

Bill Barrett Corp

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well ANSCHUTZ STATE 4-62-2-3228CH2 |
| Company: | BILL BARRETT CORP | TVD Reference: | KB @ 4566.0ft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO | MD Reference: | KB @ 4566.0ft (Original Well Elev) |
| Site: | Anschutz State 4-62-2 Pad | North Reference: | True |
| Well: | ANSCHUTZ STATE 4-62-2-3228CH2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| 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) |
| 9,100.0 | 90.26 | 88.96 | 6,133.3 | -798.9 | 2,873.9 | 2,932.9 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 90.26 | 88.96 | 6,132.8 | -797.1 | 2,973.9 | 3,032.4 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 90.26 | 88.96 | 6,132.4 | -795.3 | 3,073.9 | 3,131.8 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 90.26 | 88.96 | 6,131.9 | -793.5 | 3,173.9 | 3,231.2 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 90.26 | 88.96 | 6,131.5 | -791.7 | 3,273.8 | 3,330.7 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.26 | 88.96 | 6,131.0 | -789.9 | 3,373.8 | 3,430.1 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 90.26 | 88.96 | 6,130.6 | -788.1 | 3,473.8 | 3,529.6 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.26 | 88.96 | 6,130.1 | -786.2 | 3,573.8 | 3,629.0 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 90.26 | 88.96 | 6,129.6 | -784.4 | 3,673.8 | 3,728.4 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 90.26 | 88.96 | 6,129.2 | -782.6 | 3,773.7 | 3,827.9 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 90.26 | 88.96 | 6,128.7 | -780.8 | 3,873.7 | 3,927.3 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 90.26 | 88.96 | 6,128.3 | -779.0 | 3,973.7 | 4,026.7 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 90.26 | 88.96 | 6,127.8 | -777.2 | 4,073.7 | 4,126.2 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 90.26 | 88.96 | 6,127.4 | -775.4 | 4,173.7 | 4,225.6 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 90.26 | 88.96 | 6,126.9 | -773.6 | 4,273.7 | 4,325.1 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 90.26 | 88.96 | 6,126.5 | -771.7 | 4,373.6 | 4,424.5 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 90.26 | 88.96 | 6,126.0 | -769.9 | 4,473.6 | 4,523.9 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 90.26 | 88.96 | 6,125.6 | -768.1 | 4,573.6 | 4,623.4 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 90.26 | 88.96 | 6,125.1 | -766.3 | 4,673.6 | 4,722.8 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 90.26 | 88.96 | 6,124.7 | -764.5 | 4,773.6 | 4,822.2 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 90.26 | 88.96 | 6,124.2 | -762.7 | 4,873.6 | 4,921.7 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 90.26 | 88.96 | 6,123.8 | -760.9 | 4,973.5 | 5,021.1 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 90.26 | 88.96 | 6,123.3 | -759.0 | 5,073.5 | 5,120.6 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 90.26 | 88.96 | 6,122.9 | -757.2 | 5,173.5 | 5,220.0 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 90.26 | 88.96 | 6,122.4 | -755.4 | 5,273.5 | 5,319.4 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 90.26 | 88.96 | 6,121.9 | -753.6 | 5,373.5 | 5,418.9 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 90.26 | 88.96 | 6,121.5 | -751.8 | 5,473.5 | 5,518.3 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 90.26 | 88.96 | 6,121.0 | -750.0 | 5,573.4 | 5,617.8 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 90.26 | 88.96 | 6,120.6 | -748.2 | 5,673.4 | 5,717.2 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | 90.26 | 88.96 | 6,120.1 | -746.4 | 5,773.4 | 5,816.6 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | 90.26 | 88.96 | 6,119.7 | -744.5 | 5,873.4 | 5,916.1 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | 90.26 | 88.96 | 6,119.2 | -742.7 | 5,973.4 | 6,015.5 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | 90.26 | 88.96 | 6,118.8 | -740.9 | 6,073.3 | 6,114.9 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 90.26 | 88.96 | 6,118.3 | -739.1 | 6,173.3 | 6,214.4 | 0.00 | 0.00 | 0.00 |
| 12,500.0 | 90.26 | 88.96 | 6,117.9 | -737.3 | 6,273.3 | 6,313.8 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 90.26 | 88.96 | 6,117.4 | -735.5 | 6,373.3 | 6,413.3 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 90.26 | 88.96 | 6,117.0 | -733.7 | 6,473.3 | 6,512.7 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 90.26 | 88.96 | 6,116.5 | -731.9 | 6,573.3 | 6,612.1 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 90.26 | 88.96 | 6,116.1 | -730.0 | 6,673.2 | 6,711.6 | 0.00 | 0.00 | 0.00 |
| 13,000.0 | 90.26 | 88.96 | 6,115.6 | -728.2 | 6,773.2 | 6,811.0 | 0.00 | 0.00 | 0.00 |
| 13,100.0 | 90.26 | 88.96 | 6,115.2 | -726.4 | 6,873.2 | 6,910.4 | 0.00 | 0.00 | 0.00 |
| 13,200.0 | 90.26 | 88.96 | 6,114.7 | -724.6 | 6,973.2 | 7,009.9 | 0.00 | 0.00 | 0.00 |
| 13,300.0 | 90.26 | 88.96 | 6,114.2 | -722.8 | 7,073.2 | 7,109.3 | 0.00 | 0.00 | 0.00 |
| 13,400.0 | 90.26 | 88.96 | 6,113.8 | -721.0 | 7,173.2 | 7,208.8 | 0.00 | 0.00 | 0.00 |
| 13,500.0 | 90.26 | 88.96 | 6,113.3 | -719.2 | 7,273.1 | 7,308.2 | 0.00 | 0.00 | 0.00 |
| 13,600.0 | 90.26 | 88.96 | 6,112.9 | -717.4 | 7,373.1 | 7,407.6 | 0.00 | 0.00 | 0.00 |
| 13,700.0 | 90.26 | 88.96 | 6,112.4 | -715.5 | 7,473.1 | 7,507.1 | 0.00 | 0.00 | 0.00 |
| 13,800.0 | 90.26 | 88.96 | 6,112.0 | -713.7 | 7,573.1 | 7,606.5 | 0.00 | 0.00 | 0.00 |
| 13,900.0 | 90.26 | 88.96 | 6,111.5 | -711.9 | 7,673.1 | 7,705.9 | 0.00 | 0.00 | 0.00 |
| 14,000.0 | 90.26 | 88.96 | 6,111.1 | -710.1 | 7,773.1 | 7,805.4 | 0.00 | 0.00 | 0.00 |
| 14,100.0 | 90.26 | 88.96 | 6,110.6 | -708.3 | 7,873.0 | 7,904.8 | 0.00 | 0.00 | 0.00 |
| 14,200.0 | 90.26 | 88.96 | 6,110.2 | -706.5 | 7,973.0 | 8,004.3 | 0.00 | 0.00 | 0.00 |
| 14,237.9 | 90.26 | 88.96 | 6,110.0 | -705.8 | 8,010.9 | 8,041.9 | 0.00 | 0.00 | 0.00 |
| AS 2-3228CH2 PBHL | | | | | | | | | |

Bill Barrett Corp

Planning Report

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|------------------|-------------------------------|-------------------------------------|------------------------------------|
| Database: | Compass | Local Co-ordinate Reference: | Well ANSCHUTZ STATE 4-62-2-3228CH2 |
| Company: | BILL BARRETT CORP | TVD Reference: | KB @ 4566.0ft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO | MD Reference: | KB @ 4566.0ft (Original Well Elev) |
| Site: | Anschutz State 4-62-2 Pad | North Reference: | True |
| Well: | ANSCHUTZ STATE 4-62-2-3228CH2 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| 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) |

| Casing Points | | | | |
|---------------------|---------------------|--------|---------------------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
| 6,515.0 | 6,145.0 | 7" Csg | 7 | 8-3/4 |

| Formations | | | | | |
|---------------------|---------------------|----------------|-----------|---------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| | 0.0 | FOX HILLS BASE | | -0.26 | 88.96 |
| 5,060.1 | 4,977.0 | SHANNON | | -0.26 | 88.96 |
| 5,947.5 | 5,851.0 | SHARON SPRINGS | | -0.26 | 88.96 |
| 6,062.5 | 5,951.0 | NIOBRARA | | -0.26 | 88.96 |
| 6,381.9 | 6,129.0 | TOP C TARGET | | -0.26 | 88.96 |
| | 6,160.0 | BASE C TARGET | | -0.26 | 88.96 |