



Bill Barrett Corporation

Bill Barrett Corp.

Weld Co., CO (NAD 83)

SEC 16 T4N R62W

Anschutz Eq Farms 4-62-16-0560CH

OH

Survey: MWD Survey

Standard Survey Report

10 October, 2014





Bill Barrett Corp.
Project: Weld Co., CO (NAD 83)
Site: SEC 16 T4N R62W
Well: Anschutz Eq Farms 4-62-16-0560CH
Wellbore: OH
Design: WP02
Lat: 40.31889
Long: -104.32453
Pad GL: 4523.00
KB @ 4546.00ft



SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | Vsect | Annotation |
|----------|--------|--------|---------|----------|----------|-------|--------|---------|----------------------------------|
| 716.00 | 0.270 | 347.95 | 715.99 | 1.82 | -2.37 | 0.00 | 0.00 | -1.21 | Start 284.00 hold at 716.00 MD |
| 1000.00 | 0.270 | 347.95 | 999.99 | 3.13 | -2.65 | 0.00 | 0.00 | -2.41 | Start DLS 1.50 TFO -67.31 |
| 2184.20 | 17.869 | 281.41 | 2164.97 | 42.11 | -182.77 | 1.50 | -67.31 | 2.32 | Start 2451.82 hold at 2184.20 MD |
| 4636.02 | 17.869 | 281.41 | 4498.51 | 190.92 | -920.22 | 0.00 | 0.00 | 32.18 | Start Drop -2.00 |
| 5529.46 | 0.000 | 0.00 | 5377.54 | 218.26 | -1055.68 | 2.00 | 180.00 | 37.66 | Start 399.99 hold at 5529.46 MD |
| 5929.45 | 0.000 | 0.00 | 5777.53 | 218.26 | -1055.68 | 0.00 | 0.00 | 37.66 | Start Build 12.00 |
| 6681.45 | 90.240 | 180.64 | 6254.99 | -261.18 | -1061.06 | 12.00 | 180.64 | 504.76 | Start 4295.12 hold at 6681.45 MD |
| 10976.57 | 90.240 | 180.64 | 6237.00 | -4555.98 | -1109.21 | 0.00 | 0.00 | 4689.07 | TD at 10976.57 |

WELL DETAILS: Anschutz Eq Farms 4-62-16-0560CH

| +N/-S | +E/-W | Northing | Ground Level: Easting | 4523.00 Latitude | Longitude | Slot |
|-------|-------|------------|--------------------------|---------------------|------------|------|
| 0.00 | 0.00 | 1361185.68 | 3327762.37 | 40.31889 | -104.32453 | |

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|-----------------------------------|---------|----------|----------|----------|------------|-------|
| AS EQ FM 4-62-16-0560CH WP02 VT | 5377.54 | 218.26 | -1055.68 | 40.31949 | -104.32832 | Point |
| AS EQ FM 4-62-16-0560CH WP02 PBHL | 6237.00 | -4555.98 | -1109.21 | 40.30639 | -104.32851 | Point |
| AS EQ FM 4-62-16-0560CH WP02 LP | 6255.00 | -261.18 | -1061.06 | 40.31817 | -104.32834 | Point |

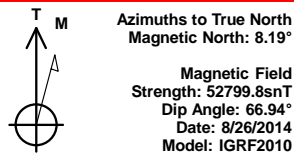
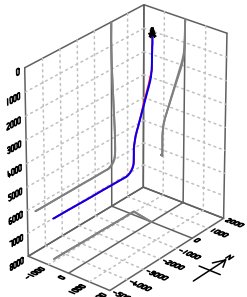
PROJECT DETAILS: Weld Co., CO (NAD 83)

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

System Datum: Mean Sea Level

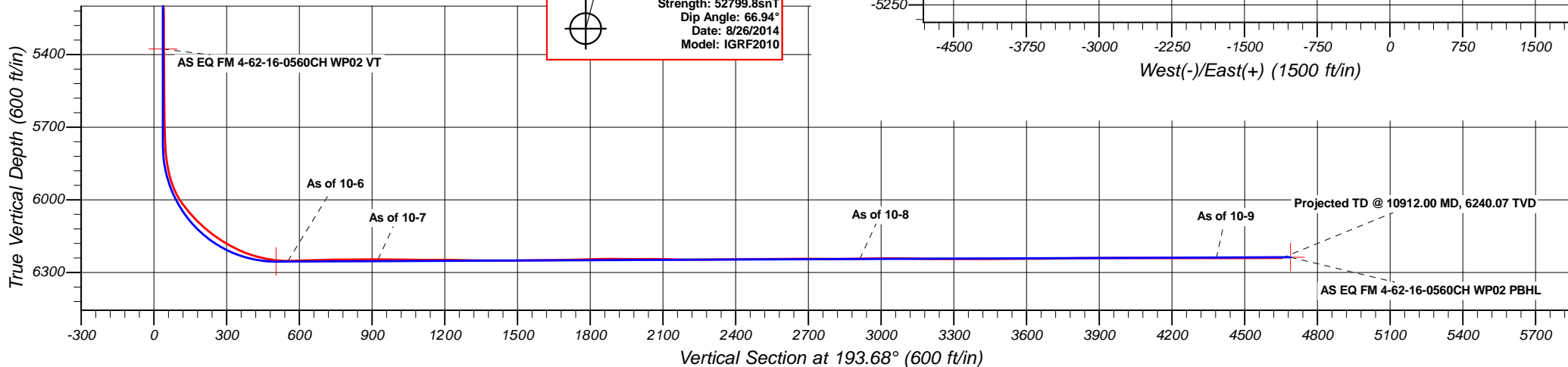
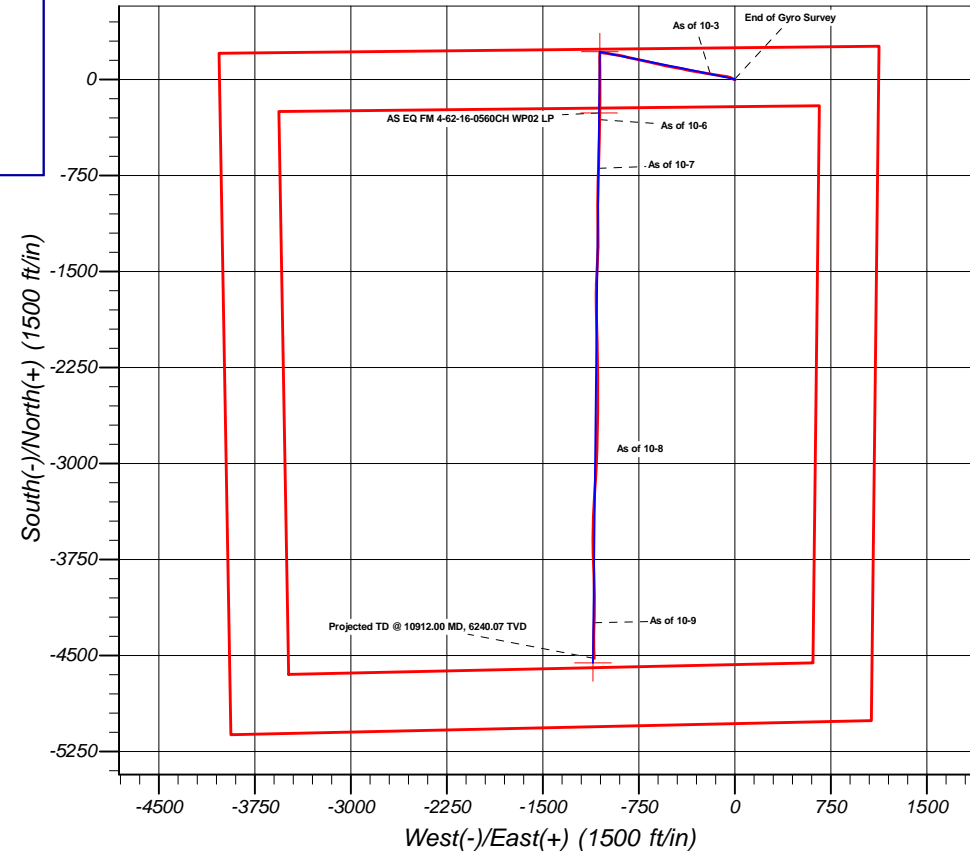
CASING DETAILS

No casing data is available



Azimuths to True North
Magnetic North: 8.19°

Magnetic Field
Strength: 52799.8snT
Dip Angle: 66.94°
Date: 8/26/2014
Model: IGRF2010



| | | | |
|------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Company: | Bill Barrett Corp. | Local Co-ordinate Reference: | Well Anschutz Eq Farms 4-62-16-0560CH |
| Project: | Weld Co., CO (NAD 83) | TVD Reference: | KB @ 4546.00ft |
| Site: | SEC 16 T4N R62W | MD Reference: | KB @ 4546.00ft |
| Well: | Anschutz Eq Farms 4-62-16-0560CH | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Local Db |

| | | | |
|--------------------|---------------------------|----------------------|-----------------------------|
| Project | Weld Co., 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 | | Using geodetic scale factor |

| | | | | | |
|-----------------------|----------|-----------------|-------------------|-------------------|------------|
| Site | | SEC 16 T4N R62W | | | |
| Site Position: | | Northing: | 1,361,185.49 usft | Latitude: | 40.31889 |
| From: | Lat/Long | Easting: | 3,327,747.87 usft | Longitude: | -104.32459 |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 1.10 ft | Grid Convergence: | 0.76 ° |

| | | | | | | |
|----------------------|----------------------------------|---------|---------------------|-------------------|---------------|-------------|
| Well | Anschutz Eq Farms 4-62-16-0560CH | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 1,361,185.68 usft | Latitude: | 40.31889 |
| | +E/-W | 0.00 ft | Easting: | 3,327,762.37 usft | Longitude: | -104.32453 |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 4,523.00 ft |

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|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 8/26/2014 | 8.19 | 66.94 | 52,800 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | OH | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 193.68 | |

| | | | | | |
|-----------------------|----------------|------------------------------|------------------|--------------------|--|
| Survey Program | Date | 10/10/2014 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 100.00 | 716.00 | Gyro Survey (0-716' MD) (OH) | GYRO | GyroCompass Mode | |
| 886.00 | 10,912.00 | MWD Survey (OH) | MWD | MWD - Standard | |

| | | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|--|
| 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) | |
| 716.00 | 0.270 | 347.95 | 715.99 | 1.82 | -2.37 | -1.21 | 0.00 | 0.00 | 0.00 | |
| 886.00 | 0.400 | 251.70 | 885.99 | 2.02 | -3.02 | -1.25 | 0.30 | 0.08 | -56.62 | |
| 979.00 | 1.900 | 279.80 | 978.97 | 2.18 | -4.85 | -0.98 | 1.68 | 1.61 | 30.22 | |
| 1,070.00 | 3.100 | 287.40 | 1,069.88 | 3.18 | -8.68 | -1.03 | 1.37 | 1.32 | 8.35 | |
| 1,164.00 | 4.200 | 293.40 | 1,163.69 | 5.30 | -14.27 | -1.78 | 1.24 | 1.17 | 6.38 | |
| 1,257.00 | 5.400 | 299.90 | 1,256.36 | 8.84 | -21.19 | -3.58 | 1.41 | 1.29 | 6.99 | |
| 1,350.00 | 7.600 | 296.80 | 1,348.76 | 13.79 | -30.47 | -6.19 | 2.39 | 2.37 | -3.33 | |
| 1,444.00 | 9.400 | 287.30 | 1,441.72 | 18.88 | -43.35 | -8.09 | 2.42 | 1.91 | -10.11 | |
| 1,537.00 | 11.200 | 281.40 | 1,533.22 | 22.92 | -59.46 | -8.21 | 2.24 | 1.94 | -6.34 | |
| 1,631.00 | 12.500 | 276.40 | 1,625.22 | 25.86 | -78.52 | -6.56 | 1.76 | 1.38 | -5.32 | |

| | | | |
|------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Company: | Bill Barrett Corp. | Local Co-ordinate Reference: | Well Anschutz Eq Farms 4-62-16-0560CH |
| Project: | Weld Co., CO (NAD 83) | TVD Reference: | KB @ 4546.00ft |
| Site: | SEC 16 T4N R62W | MD Reference: | KB @ 4546.00ft |
| Well: | Anschutz Eq Farms 4-62-16-0560CH | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Local Db |

| 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) |
| 1,724.00 | 13.800 | 279.20 | 1,715.78 | 28.76 | -99.47 | -4.41 | 1.56 | 1.40 | 3.01 |
| 1,818.00 | 13.200 | 277.90 | 1,807.18 | 32.03 | -121.17 | -2.45 | 0.72 | -0.64 | -1.38 |
| 1,911.00 | 14.200 | 279.50 | 1,897.54 | 35.37 | -142.94 | -0.55 | 1.15 | 1.08 | 1.72 |
| 2,005.00 | 16.100 | 282.70 | 1,988.27 | 40.14 | -167.02 | 0.51 | 2.21 | 2.02 | 3.40 |
| 2,098.00 | 17.100 | 280.20 | 2,077.39 | 45.39 | -193.06 | 1.56 | 1.32 | 1.08 | -2.69 |
| As of 10-3 | | | | | | | | | |
| 2,192.00 | 17.600 | 276.80 | 2,167.12 | 49.52 | -220.78 | 4.11 | 1.20 | 0.53 | -3.62 |
| 2,286.00 | 16.900 | 277.70 | 2,256.89 | 53.04 | -248.43 | 7.24 | 0.80 | -0.74 | 0.96 |
| 2,379.00 | 17.300 | 281.40 | 2,345.78 | 57.58 | -275.38 | 9.20 | 1.25 | 0.43 | 3.98 |
| 2,475.00 | 17.500 | 277.60 | 2,437.39 | 62.31 | -303.68 | 11.29 | 1.20 | 0.21 | -3.96 |
| 2,570.00 | 17.200 | 280.00 | 2,528.07 | 66.64 | -331.67 | 13.71 | 0.82 | -0.32 | 2.53 |
| 2,665.00 | 16.800 | 283.50 | 2,618.92 | 72.28 | -358.85 | 14.66 | 1.16 | -0.42 | 3.68 |
| 2,761.00 | 16.500 | 282.60 | 2,710.89 | 78.50 | -385.65 | 14.96 | 0.41 | -0.31 | -0.94 |
| 2,857.00 | 16.100 | 281.40 | 2,803.04 | 84.10 | -412.00 | 15.75 | 0.54 | -0.42 | -1.25 |
| 2,952.00 | 15.600 | 278.80 | 2,894.43 | 88.66 | -437.54 | 17.36 | 0.91 | -0.53 | -2.74 |
| 3,049.00 | 16.600 | 280.40 | 2,987.62 | 93.16 | -464.06 | 19.26 | 1.13 | 1.03 | 1.65 |
| 3,144.00 | 15.700 | 281.00 | 3,078.87 | 98.06 | -490.02 | 20.64 | 0.96 | -0.95 | 0.63 |
| 3,239.00 | 16.500 | 281.30 | 3,170.14 | 103.15 | -515.87 | 21.80 | 0.85 | 0.84 | 0.32 |
| 3,335.00 | 18.500 | 282.40 | 3,261.70 | 109.10 | -544.11 | 22.71 | 2.11 | 2.08 | 1.15 |
| 3,429.00 | 19.000 | 281.80 | 3,350.71 | 115.43 | -573.66 | 23.55 | 0.57 | 0.53 | -0.64 |
| 3,525.00 | 18.300 | 283.00 | 3,441.67 | 122.01 | -603.64 | 24.24 | 0.83 | -0.73 | 1.25 |
| 3,622.00 | 17.600 | 282.80 | 3,533.94 | 128.69 | -632.78 | 24.65 | 0.72 | -0.72 | -0.21 |
| 3,719.00 | 16.000 | 282.40 | 3,626.80 | 134.81 | -660.14 | 25.17 | 1.65 | -1.65 | -0.41 |
| 3,813.00 | 16.100 | 283.30 | 3,717.14 | 140.59 | -685.48 | 25.55 | 0.29 | 0.11 | 0.96 |
| 3,908.00 | 16.400 | 284.20 | 3,808.34 | 146.91 | -711.30 | 25.52 | 0.41 | 0.32 | 0.95 |
| 4,004.00 | 16.400 | 281.20 | 3,900.44 | 152.87 | -737.73 | 25.98 | 0.88 | 0.00 | -3.13 |
| 4,099.00 | 15.800 | 280.50 | 3,991.71 | 157.83 | -763.60 | 27.28 | 0.66 | -0.63 | -0.74 |
| 4,194.00 | 17.400 | 281.60 | 4,082.75 | 163.04 | -790.24 | 28.52 | 1.72 | 1.68 | 1.16 |
| 4,290.00 | 17.600 | 283.60 | 4,174.31 | 169.34 | -818.40 | 29.06 | 0.66 | 0.21 | 2.08 |
| 4,386.00 | 17.500 | 285.80 | 4,265.84 | 176.68 | -846.40 | 28.55 | 0.70 | -0.10 | 2.29 |
| 4,482.00 | 16.400 | 283.40 | 4,357.67 | 183.76 | -873.47 | 28.08 | 1.36 | -1.15 | -2.50 |
| 4,577.00 | 16.500 | 278.10 | 4,448.79 | 188.76 | -899.88 | 29.46 | 1.58 | 0.11 | -5.58 |
| 4,673.00 | 16.200 | 278.40 | 4,540.90 | 192.64 | -926.62 | 32.02 | 0.32 | -0.31 | 0.31 |
| 4,768.00 | 14.100 | 279.20 | 4,632.60 | 196.43 | -951.16 | 34.15 | 2.22 | -2.21 | 0.84 |
| 4,864.00 | 14.400 | 280.00 | 4,725.64 | 200.37 | -974.46 | 35.83 | 0.37 | 0.31 | 0.83 |
| 4,959.00 | 12.000 | 278.90 | 4,818.13 | 203.95 | -995.85 | 37.41 | 2.54 | -2.53 | -1.16 |
| 5,055.00 | 8.900 | 279.10 | 4,912.52 | 206.67 | -1,013.05 | 38.84 | 3.23 | -3.23 | 0.21 |
| 5,150.00 | 7.300 | 280.00 | 5,006.57 | 208.88 | -1,026.25 | 39.81 | 1.69 | -1.68 | 0.95 |
| 5,246.00 | 5.200 | 281.60 | 5,102.00 | 210.81 | -1,036.52 | 40.36 | 2.19 | -2.19 | 1.67 |
| 5,342.00 | 3.300 | 279.70 | 5,197.73 | 212.15 | -1,043.50 | 40.71 | 1.98 | -1.98 | -1.98 |
| 5,437.00 | 2.100 | 276.70 | 5,292.62 | 212.82 | -1,047.93 | 41.11 | 1.27 | -1.26 | -3.16 |
| 5,522.10 | 0.943 | 266.66 | 5,377.69 | 212.96 | -1,050.17 | 41.51 | 1.39 | -1.36 | -11.80 |
| AS EQ FM 4-62-16-0560CH WP02 VT | | | | | | | | | |

| | | | |
|------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Company: | Bill Barrett Corp. | Local Co-ordinate Reference: | Well Anschutz Eq Farms 4-62-16-0560CH |
| Project: | Weld Co., CO (NAD 83) | TVD Reference: | KB @ 4546.00ft |
| Site: | SEC 16 T4N R62W | MD Reference: | KB @ 4546.00ft |
| Well: | Anschutz Eq Farms 4-62-16-0560CH | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Local Db |

| 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) |
| 5,533.00 | 0.800 | 263.30 | 5,388.59 | 212.95 | -1,050.34 | 41.56 | 1.39 | -1.31 | -30.82 |
| 5,630.00 | 0.700 | 242.50 | 5,485.58 | 212.59 | -1,051.54 | 42.19 | 0.30 | -0.10 | -21.44 |
| 5,725.00 | 0.700 | 247.30 | 5,580.57 | 212.10 | -1,052.59 | 42.91 | 0.06 | 0.00 | 5.05 |
| 5,821.00 | 1.000 | 234.70 | 5,676.56 | 211.39 | -1,053.81 | 43.89 | 0.37 | 0.31 | -13.13 |
| 5,917.00 | 2.800 | 191.30 | 5,772.51 | 208.61 | -1,054.95 | 46.87 | 2.28 | 1.88 | -45.21 |
| 6,012.00 | 10.500 | 181.10 | 5,866.80 | 197.66 | -1,055.58 | 57.65 | 8.17 | 8.11 | -10.74 |
| 6,108.00 | 23.300 | 180.90 | 5,958.46 | 169.81 | -1,056.04 | 84.82 | 13.33 | 13.33 | -0.21 |
| 6,156.00 | 34.200 | 180.30 | 6,000.48 | 146.76 | -1,056.26 | 107.26 | 22.72 | 22.71 | -1.25 |
| 6,204.00 | 39.800 | 178.10 | 6,038.80 | 117.90 | -1,055.83 | 135.21 | 11.99 | 11.67 | -4.58 |
| 6,252.00 | 44.500 | 176.80 | 6,074.38 | 85.73 | -1,054.38 | 166.12 | 9.96 | 9.79 | -2.71 |
| 6,299.00 | 48.300 | 179.80 | 6,106.79 | 51.72 | -1,053.39 | 198.93 | 9.31 | 8.09 | 6.38 |
| 6,347.00 | 52.700 | 180.60 | 6,137.32 | 14.69 | -1,053.53 | 234.94 | 9.26 | 9.17 | 1.67 |
| 6,394.00 | 57.600 | 180.60 | 6,164.17 | -23.87 | -1,053.94 | 272.50 | 10.43 | 10.43 | 0.00 |
| 6,442.00 | 62.200 | 180.50 | 6,188.23 | -65.38 | -1,054.33 | 312.93 | 9.59 | 9.58 | -0.21 |
| 6,491.00 | 65.800 | 180.30 | 6,209.71 | -109.41 | -1,054.64 | 355.79 | 7.36 | 7.35 | -0.41 |
| 6,539.00 | 72.100 | 180.80 | 6,226.94 | -154.19 | -1,055.07 | 399.39 | 13.16 | 13.13 | 1.04 |
| 6,587.00 | 77.500 | 180.40 | 6,239.52 | -200.49 | -1,055.56 | 444.49 | 11.28 | 11.25 | -0.83 |
| 6,635.00 | 81.800 | 180.00 | 6,248.14 | -247.69 | -1,055.72 | 490.40 | 9.00 | 8.96 | -0.83 |
| 6,648.96 | 83.707 | 180.20 | 6,249.90 | -261.54 | -1,055.74 | 503.86 | 13.73 | 13.66 | 1.42 |
| AS EQ FM 4-62-16-0560CH WP02 LP | | | | | | | | | |
| 6,700.00 | 90.680 | 180.92 | 6,252.40 | -312.49 | -1,056.24 | 553.47 | 13.73 | 13.66 | 1.41 |
| As of 10-6 | | | | | | | | | |
| 6,706.00 | 91.500 | 181.00 | 6,252.29 | -318.48 | -1,056.34 | 559.33 | 13.73 | 13.66 | 1.40 |
| 6,799.00 | 91.700 | 180.70 | 6,249.69 | -411.44 | -1,057.72 | 649.97 | 0.39 | 0.22 | -0.32 |
| 6,893.00 | 91.000 | 181.70 | 6,247.48 | -505.39 | -1,059.69 | 741.72 | 1.30 | -0.74 | 1.06 |
| 6,986.00 | 90.200 | 181.30 | 6,246.50 | -598.35 | -1,062.12 | 832.62 | 0.96 | -0.86 | -0.43 |
| 7,080.00 | 90.500 | 182.30 | 6,245.93 | -692.30 | -1,065.08 | 924.60 | 1.11 | 0.32 | 1.06 |
| As of 10-7 | | | | | | | | | |
| 7,174.00 | 88.500 | 181.60 | 6,246.75 | -786.24 | -1,068.27 | 1,016.63 | 2.25 | -2.13 | -0.74 |
| 7,267.00 | 89.500 | 180.80 | 6,248.37 | -879.20 | -1,070.22 | 1,107.41 | 1.38 | 1.08 | -0.86 |
| 7,361.00 | 90.500 | 180.50 | 6,248.37 | -973.19 | -1,071.29 | 1,198.99 | 1.11 | 1.06 | -0.32 |
| 7,454.00 | 88.100 | 179.40 | 6,249.51 | -1,066.18 | -1,071.21 | 1,289.32 | 2.84 | -2.58 | -1.18 |
| 7,548.00 | 90.200 | 179.20 | 6,250.90 | -1,160.16 | -1,070.06 | 1,380.36 | 2.24 | 2.23 | -0.21 |
| 7,643.00 | 90.000 | 179.20 | 6,250.74 | -1,255.15 | -1,068.73 | 1,472.34 | 0.21 | -0.21 | 0.00 |
| 7,736.00 | 91.300 | 183.40 | 6,249.68 | -1,348.09 | -1,070.84 | 1,563.14 | 4.73 | 1.40 | 4.52 |
| 7,830.00 | 89.700 | 182.30 | 6,248.86 | -1,441.97 | -1,075.51 | 1,655.46 | 2.07 | -1.70 | -1.17 |
| 7,923.00 | 92.400 | 182.90 | 6,247.16 | -1,534.85 | -1,079.73 | 1,746.70 | 2.97 | 2.90 | 0.65 |
| 8,015.00 | 90.700 | 180.90 | 6,244.67 | -1,626.76 | -1,082.78 | 1,836.72 | 2.85 | -1.85 | -2.17 |
| 8,108.00 | 89.000 | 179.80 | 6,244.91 | -1,719.75 | -1,083.35 | 1,927.21 | 2.18 | -1.83 | -1.18 |
| 8,201.00 | 91.000 | 179.40 | 6,244.91 | -1,812.74 | -1,082.70 | 2,017.41 | 2.19 | 2.15 | -0.43 |
| 8,293.00 | 88.400 | 177.70 | 6,245.39 | -1,904.70 | -1,080.37 | 2,106.21 | 3.38 | -2.83 | -1.85 |
| 8,385.00 | 89.400 | 179.00 | 6,247.16 | -1,996.64 | -1,077.72 | 2,194.91 | 1.78 | 1.09 | 1.41 |
| 8,478.00 | 91.000 | 178.70 | 6,246.83 | -2,089.62 | -1,075.86 | 2,284.81 | 1.75 | 1.72 | -0.32 |
| 8,572.00 | 89.700 | 178.90 | 6,246.26 | -2,183.60 | -1,073.89 | 2,375.65 | 1.40 | -1.38 | 0.21 |

| | | | |
|------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Company: | Bill Barrett Corp. | Local Co-ordinate Reference: | Well Anschutz Eq Farms 4-62-16-0560CH |
| Project: | Weld Co., CO (NAD 83) | TVD Reference: | KB @ 4546.00ft |
| Site: | SEC 16 T4N R62W | MD Reference: | KB @ 4546.00ft |
| Well: | Anschutz Eq Farms 4-62-16-0560CH | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Local Db |

| 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) |
| 8,665.00 | 91.200 | 179.00 | 6,245.53 | -2,276.58 | -1,072.18 | 2,465.59 | 1.62 | 1.61 | 0.11 |
| 8,758.00 | 90.100 | 180.10 | 6,244.47 | -2,369.56 | -1,071.45 | 2,555.77 | 1.67 | -1.18 | 1.18 |
| 8,849.00 | 90.600 | 181.20 | 6,243.92 | -2,460.55 | -1,072.49 | 2,644.42 | 1.33 | 0.55 | 1.21 |
| 8,941.00 | 89.000 | 180.30 | 6,244.24 | -2,552.54 | -1,073.69 | 2,734.08 | 2.00 | -1.74 | -0.98 |
| 9,033.00 | 91.100 | 179.90 | 6,244.16 | -2,644.54 | -1,073.85 | 2,823.50 | 2.32 | 2.28 | -0.43 |
| 9,125.00 | 90.400 | 180.10 | 6,242.95 | -2,736.53 | -1,073.85 | 2,912.88 | 0.79 | -0.76 | 0.22 |
| As of 10-8 | | | | | | | | | |
| 9,218.00 | 90.700 | 182.10 | 6,242.06 | -2,829.50 | -1,075.64 | 3,003.64 | 2.17 | 0.32 | 2.15 |
| 9,311.00 | 88.900 | 181.80 | 6,242.39 | -2,922.44 | -1,078.80 | 3,094.69 | 1.96 | -1.94 | -0.32 |
| 9,403.00 | 88.800 | 183.00 | 6,244.23 | -3,014.34 | -1,082.65 | 3,184.90 | 1.31 | -0.11 | 1.30 |
| 9,495.00 | 91.300 | 183.70 | 6,244.15 | -3,106.18 | -1,088.03 | 3,275.40 | 2.82 | 2.72 | 0.76 |
| 9,587.00 | 88.800 | 183.40 | 6,244.07 | -3,197.99 | -1,093.72 | 3,365.95 | 2.74 | -2.72 | -0.33 |
| 9,679.00 | 90.200 | 183.00 | 6,244.88 | -3,289.84 | -1,098.86 | 3,456.41 | 1.58 | 1.52 | -0.43 |
| 9,775.00 | 91.200 | 182.60 | 6,243.70 | -3,385.72 | -1,103.55 | 3,550.68 | 1.12 | 1.04 | -0.42 |
| 9,871.00 | 89.800 | 181.40 | 6,242.86 | -3,481.65 | -1,106.90 | 3,644.68 | 1.92 | -1.46 | -1.25 |
| 9,966.00 | 90.800 | 180.80 | 6,242.37 | -3,576.63 | -1,108.72 | 3,737.40 | 1.23 | 1.05 | -0.63 |
| 10,061.00 | 90.500 | 178.10 | 6,241.29 | -3,671.61 | -1,107.81 | 3,829.46 | 2.86 | -0.32 | -2.84 |
| 10,156.00 | 90.100 | 177.70 | 6,240.79 | -3,766.55 | -1,104.33 | 3,920.88 | 0.60 | -0.42 | -0.42 |
| 10,252.00 | 90.400 | 178.90 | 6,240.37 | -3,862.50 | -1,101.48 | 4,013.44 | 1.29 | 0.31 | 1.25 |
| 10,347.00 | 89.100 | 177.60 | 6,240.79 | -3,957.45 | -1,098.58 | 4,105.01 | 1.94 | -1.37 | -1.37 |
| 10,443.00 | 90.600 | 179.80 | 6,241.04 | -4,053.42 | -1,096.40 | 4,197.74 | 2.77 | 1.56 | 2.29 |
| 10,537.00 | 89.600 | 180.80 | 6,240.87 | -4,147.42 | -1,096.89 | 4,289.18 | 1.50 | -1.06 | 1.06 |
| 10,633.00 | 90.300 | 182.90 | 6,240.96 | -4,243.36 | -1,099.99 | 4,383.14 | 2.31 | 0.73 | 2.19 |
| As of 10-9 | | | | | | | | | |
| 10,729.00 | 90.100 | 181.40 | 6,240.62 | -4,339.29 | -1,103.59 | 4,477.19 | 1.58 | -0.21 | -1.56 |
| 10,825.00 | 90.200 | 178.00 | 6,240.37 | -4,435.27 | -1,103.09 | 4,570.33 | 3.54 | 0.10 | -3.54 |
| 10,854.00 | 90.200 | 176.70 | 6,240.27 | -4,464.24 | -1,101.75 | 4,598.16 | 4.48 | 0.00 | -4.48 |
| 10,912.00 | 90.200 | 176.70 | 6,240.07 | -4,522.15 | -1,098.41 | 4,653.63 | 0.00 | 0.00 | 0.00 |
| Projected TD @ 10912.00 MD, 6240.07 TVD - AS EQ FM 4-62-16-0560CH WP02 PBHL | | | | | | | | | |

| Survey Annotations | | | | |
|---------------------|---------------------|-------------------|------------|---|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 2,098.00 | 2,077.39 | 45.39 | -193.06 | As of 10-3 |
| 6,700.00 | 6,252.40 | -312.49 | -1,056.24 | As of 10-6 |
| 7,080.00 | 6,245.93 | -692.30 | -1,065.08 | As of 10-7 |
| 9,125.00 | 6,242.95 | -2,736.53 | -1,073.85 | As of 10-8 |
| 10,633.00 | 6,240.96 | -4,243.36 | -1,099.99 | As of 10-9 |
| 10,912.00 | 6,240.07 | -4,522.15 | -1,098.41 | Projected TD @ 10912.00 MD, 6240.07 TVD |

Checked By: _____ Approved By: _____ Date: _____