



Bill Barrett Corp.

Garfield County, Colorado
Kaufman 6 Pad
Kaufman 31B-24-692

Wellbore #1

Plan: plan1 02jun10 smw

Standard Planning Report

03 June, 2010

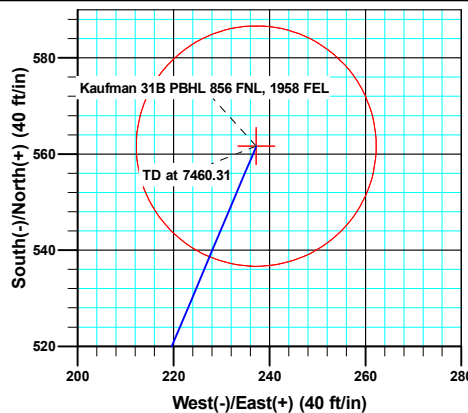
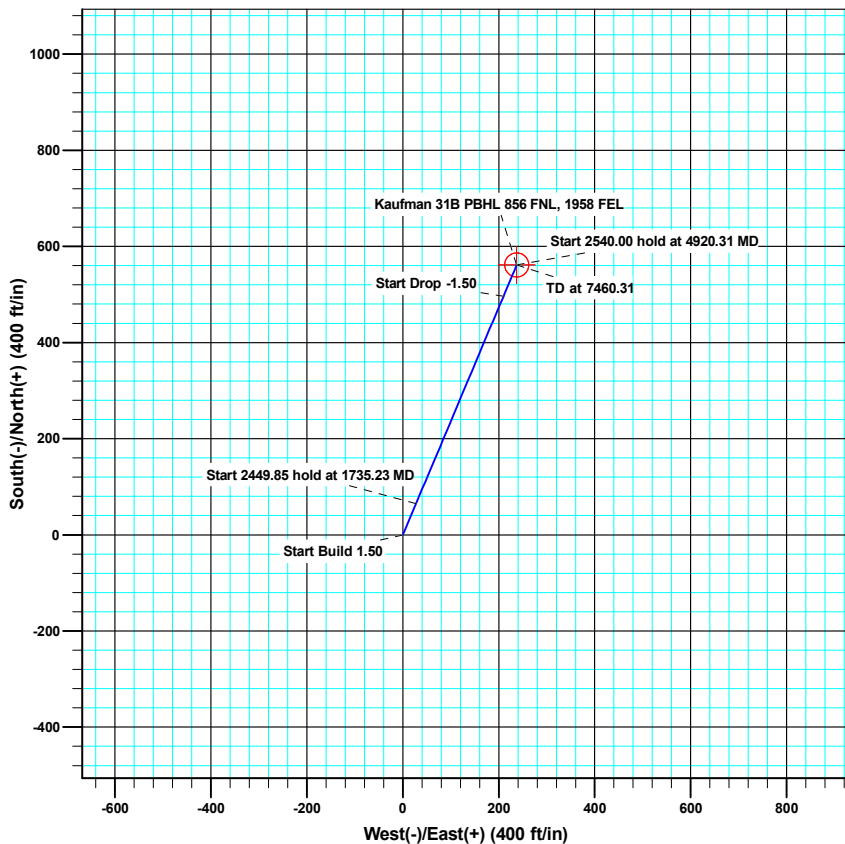
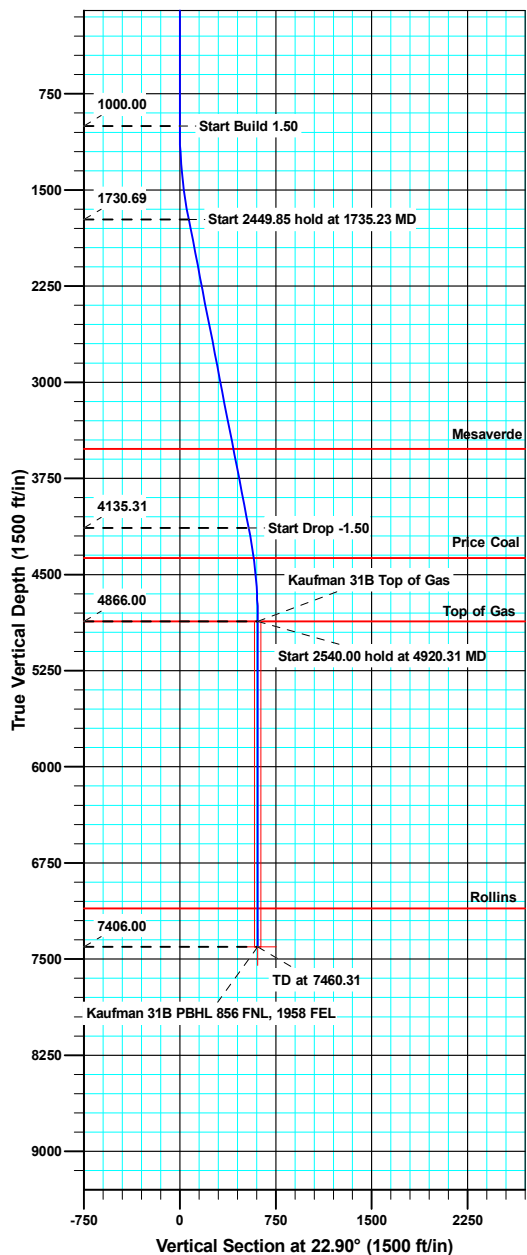




WELL DETAILS: Kaufman 31B-24-692

Ground Level: 5763.00

North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 +N/-S +E/-W Northing Easting Latitude Longitude
 0.00 0.00 1619798.63 2403648.25 39° 30' 57.88 N 107° 36' 50.45 W



Azimuths to True North
 Magnetic North: 10.29°

Magnetic Field
 Strength: 52446.2snT
 Dip Angle: 65.87°
 Date: 06/02/2010
 Model: IGRF200510

ANNOTATIONS

| TVD | MD | Inc | Azi | +N/-S | +E/-W | Vsect | Departure | Annotation |
|---------|---------|-------|-------|--------|--------|--------|-----------|----------------------------------|
| 1000.00 | 1000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Build 1.50 |
| 1730.69 | 1735.23 | 11.03 | 22.90 | 64.98 | 27.45 | 70.54 | 70.54 | Start 2449.85 hold at 1735.23 MD |
| 4135.31 | 4185.08 | 11.03 | 22.90 | 496.69 | 209.81 | 539.19 | 539.19 | Start Drop -1.50 |
| 4866.00 | 4920.31 | 0.00 | 0.00 | 561.67 | 237.26 | 609.73 | 609.73 | Start 2540.00 hold at 4920.31 MD |
| 7406.00 | 7460.31 | 0.00 | 0.00 | 561.67 | 237.26 | 609.73 | 609.73 | TD at 7460.31 |



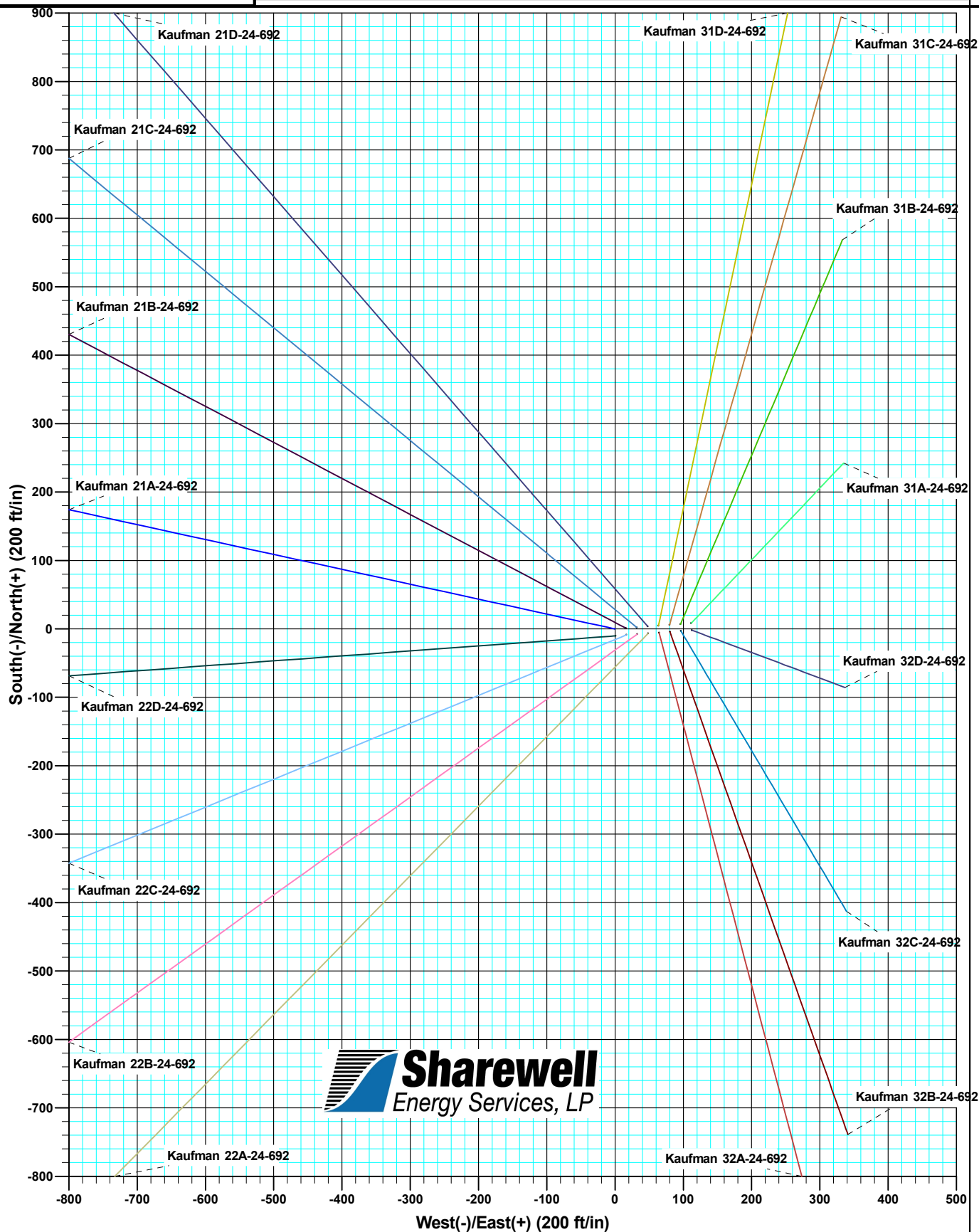


Bill Barrett Corporation

WELL DETAILS: Kaufman 6 Pad

Ground Level: 5763.00

| North American Datum 1983 | US State Plane 1983 | Colorado Central Zone | | | |
|---------------------------|---------------------|-----------------------|------------|-----------------|------------------|
| +N/-S | +E/-W | North | East | Latitude | Longitude |
| 0.00 | 0.00 | 1619793.94 | 2403552.19 | 39° 30' 57.81 N | 107° 36' 51.67 W |



 **Sharewell**
Energy Services, LP

| | | | |
|------------------|---------------------------|-------------------------------------|-------------------------|
| Database: | SWFS01 | Local Co-ordinate Reference: | Well Kaufman 31B-24-692 |
| Company: | Bill Barrett Corp. | TVD Reference: | KB @ 5786.00ft |
| Project: | Garfield County, Colorado | MD Reference: | KB @ 5786.00ft |
| Site: | Kaufman 6 Pad | North Reference: | True |
| Well: | Kaufman 31B-24-692 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | plan1 02jun10 smw | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Garfield County, Colorado | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | |

| Site | Kaufman 6 Pad | | | | |
|-----------------------|---------------|--------------|-------------------|-------------------|------------------|
| Site Position: | | Northing: | 1,619,793.95 usft | Latitude: | 39° 30' 57.81 N |
| From: | Lat/Long | Easting: | 2,403,552.20 usft | Longitude: | 107° 36' 51.67 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 0.00 ft | Grid Convergence: | -1.33 |

| | | | | | | |
|----------------------|--------------------|----------|---------------------|-------------------|---------------|------------------|
| Well | Kaufman 31B-24-692 | | | | | |
| Well Position | +N/-S | 6.91 ft | Northing: | 1,619,798.62 usft | Latitude: | 39° 30' 57.88 N |
| | +E/-W | 95.92 ft | Easting: | 2,403,648.25 usft | Longitude: | 107° 36' 50.45 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | | Ground Level: | 5,763.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 06/02/10 | 10.29 | 65.87 | 52,446 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | plan1 02jun10 smw | | | | |
| Audit Notes: | | | | | |
| Version: | Phase: | PROTOTYPE | | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 22.90 | |

| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,735.23 | 11.03 | 22.90 | 1,730.69 | 64.98 | 27.45 | 1.50 | 1.50 | 0.00 | 22.90 | |
| 4,185.08 | 11.03 | 22.90 | 4,135.31 | 496.69 | 209.81 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,920.31 | 0.00 | 0.00 | 4,866.00 | 561.67 | 237.26 | 1.50 | -1.50 | 0.00 | 180.00 | Kaufman 31B Top of I |
| 7,460.31 | 0.00 | 0.00 | 7,406.00 | 561.67 | 237.26 | 0.00 | 0.00 | 0.00 | 0.00 | Kaufman 31B PBHL E |

| | | | |
|------------------|---------------------------|-------------------------------------|-------------------------|
| Database: | SWFS01 | Local Co-ordinate Reference: | Well Kaufman 31B-24-692 |
| Company: | Bill Barrett Corp. | TVD Reference: | KB @ 5786.00ft |
| Project: | Garfield County, Colorado | MD Reference: | KB @ 5786.00ft |
| Site: | Kaufman 6 Pad | North Reference: | True |
| Well: | Kaufman 31B-24-692 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | plan1 02jun10 smw | | |

| 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) |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start Build 1.50 | | | | | | | | | |
| 1,100.00 | 1.50 | 22.90 | 1,099.99 | 1.21 | 0.51 | 1.31 | 1.50 | 1.50 | 0.00 |
| 1,200.00 | 3.00 | 22.90 | 1,199.91 | 4.82 | 2.04 | 5.23 | 1.50 | 1.50 | 0.00 |
| 1,300.00 | 4.50 | 22.90 | 1,299.69 | 10.85 | 4.58 | 11.77 | 1.50 | 1.50 | 0.00 |
| 1,400.00 | 6.00 | 22.90 | 1,399.27 | 19.28 | 8.14 | 20.92 | 1.50 | 1.50 | 0.00 |
| 1,500.00 | 7.50 | 22.90 | 1,498.57 | 30.10 | 12.72 | 32.68 | 1.50 | 1.50 | 0.00 |
| 1,600.00 | 9.00 | 22.90 | 1,597.54 | 43.32 | 18.30 | 47.03 | 1.50 | 1.50 | 0.00 |
| 1,700.00 | 10.50 | 22.90 | 1,696.09 | 58.92 | 24.89 | 63.96 | 1.50 | 1.50 | 0.00 |
| 1,735.23 | 11.03 | 22.90 | 1,730.69 | 64.98 | 27.45 | 70.54 | 1.50 | 1.50 | 0.00 |
| Start 2449.85 hold at 1735.23 MD | | | | | | | | | |
| 1,800.00 | 11.03 | 22.90 | 1,794.27 | 76.40 | 32.27 | 82.93 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 11.03 | 22.90 | 1,892.43 | 94.02 | 39.71 | 102.06 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 11.03 | 22.90 | 1,990.58 | 111.64 | 47.16 | 121.19 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 11.03 | 22.90 | 2,088.73 | 129.26 | 54.60 | 140.32 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 11.03 | 22.90 | 2,186.89 | 146.88 | 62.05 | 159.45 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 11.03 | 22.90 | 2,285.04 | 164.50 | 69.49 | 178.58 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 11.03 | 22.90 | 2,383.19 | 182.13 | 76.93 | 197.71 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 11.03 | 22.90 | 2,481.35 | 199.75 | 84.38 | 216.84 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 11.03 | 22.90 | 2,579.50 | 217.37 | 91.82 | 235.97 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 11.03 | 22.90 | 2,677.65 | 234.99 | 99.26 | 255.10 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 11.03 | 22.90 | 2,775.80 | 252.61 | 106.71 | 274.23 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 11.03 | 22.90 | 2,873.96 | 270.24 | 114.15 | 293.36 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 11.03 | 22.90 | 2,972.11 | 287.86 | 121.60 | 312.49 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 11.03 | 22.90 | 3,070.26 | 305.48 | 129.04 | 331.62 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 11.03 | 22.90 | 3,168.42 | 323.10 | 136.48 | 350.75 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 11.03 | 22.90 | 3,266.57 | 340.72 | 143.93 | 369.87 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 11.03 | 22.90 | 3,364.72 | 358.35 | 151.37 | 389.00 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 11.03 | 22.90 | 3,462.88 | 375.97 | 158.81 | 408.13 | 0.00 | 0.00 | 0.00 |
| 3,559.22 | 11.03 | 22.90 | 3,521.00 | 386.40 | 163.22 | 419.46 | 0.00 | 0.00 | 0.00 |
| Mesaverde | | | | | | | | | |
| 3,600.00 | 11.03 | 22.90 | 3,561.03 | 393.59 | 166.26 | 427.26 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 11.03 | 22.90 | 3,659.18 | 411.21 | 173.70 | 446.39 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 11.03 | 22.90 | 3,757.34 | 428.83 | 181.15 | 465.52 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 11.03 | 22.90 | 3,855.49 | 446.45 | 188.59 | 484.65 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 11.03 | 22.90 | 3,953.64 | 464.08 | 196.03 | 503.78 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 11.03 | 22.90 | 4,051.80 | 481.70 | 203.48 | 522.91 | 0.00 | 0.00 | 0.00 |
| 4,185.08 | 11.03 | 22.90 | 4,135.31 | 496.69 | 209.81 | 539.19 | 0.00 | 0.00 | 0.00 |
| Start Drop -1.50 | | | | | | | | | |
| 4,200.00 | 10.80 | 22.90 | 4,149.96 | 499.29 | 210.91 | 542.01 | 1.50 | -1.50 | 0.00 |
| 4,300.00 | 9.30 | 22.90 | 4,248.42 | 515.38 | 217.70 | 559.47 | 1.50 | -1.50 | 0.00 |
| 4,400.00 | 7.80 | 22.90 | 4,347.30 | 529.08 | 223.49 | 574.34 | 1.50 | -1.50 | 0.00 |
| 4,423.91 | 7.45 | 22.90 | 4,371.00 | 532.00 | 224.72 | 577.52 | 1.50 | -1.50 | 0.00 |
| Price Coal | | | | | | | | | |
| 4,500.00 | 6.30 | 22.90 | 4,446.54 | 540.39 | 228.27 | 586.63 | 1.50 | -1.50 | 0.00 |
| 4,600.00 | 4.80 | 22.90 | 4,546.07 | 549.31 | 232.04 | 596.31 | 1.50 | -1.50 | 0.00 |
| 4,700.00 | 3.30 | 22.90 | 4,645.82 | 555.82 | 234.79 | 603.38 | 1.50 | -1.50 | 0.00 |
| 4,800.00 | 1.80 | 22.90 | 4,745.71 | 559.93 | 236.52 | 607.83 | 1.50 | -1.50 | 0.00 |
| 4,900.00 | 0.30 | 22.90 | 4,845.69 | 561.62 | 237.24 | 609.67 | 1.50 | -1.50 | 0.00 |
| 4,920.31 | 0.00 | 0.00 | 4,866.00 | 561.67 | 237.26 | 609.73 | 1.50 | -1.50 | 0.00 |
| Start 2540.00 hold at 4920.31 MD - Top of Gas - Kaufman 31B Top of Gas | | | | | | | | | |
| 5,000.00 | 0.00 | 0.00 | 4,945.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 0.00 | 0.00 | 5,045.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|-------------------------|
| Database: | SWFS01 | Local Co-ordinate Reference: | Well Kaufman 31B-24-692 |
| Company: | Bill Barrett Corp. | TVD Reference: | KB @ 5786.00ft |
| Project: | Garfield County, Colorado | MD Reference: | KB @ 5786.00ft |
| Site: | Kaufman 6 Pad | North Reference: | True |
| Well: | Kaufman 31B-24-692 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | plan1 02jun10 smw | | |

| 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) |
| 5,200.00 | 0.00 | 0.00 | 5,145.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 0.00 | 0.00 | 5,245.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 0.00 | 0.00 | 5,345.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 0.00 | 0.00 | 5,445.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 0.00 | 0.00 | 5,545.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.00 | 0.00 | 5,645.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.00 | 0.00 | 5,745.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.00 | 0.00 | 5,845.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 0.00 | 0.00 | 5,945.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 0.00 | 0.00 | 6,045.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.00 | 0.00 | 6,145.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,245.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.00 | 0.00 | 6,345.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.00 | 0.00 | 6,445.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,545.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,645.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,745.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,845.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,945.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 7,045.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 7,160.31 | 0.00 | 0.00 | 7,106.00 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | |
| 7,200.00 | 0.00 | 0.00 | 7,145.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 7,245.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,345.69 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| 7,460.31 | 0.00 | 0.00 | 7,406.00 | 561.67 | 237.26 | 609.73 | 0.00 | 0.00 | 0.00 |
| TD at 7460.31 - Kaufman 31B PBHL 856 FNL, 1958 FEL | | | | | | | | | |

| Design Targets | | | | | | | | | |
|---------------------------|---------------|--------------|----------|------------|------------|-----------------|----------------|----------------|------------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| Kaufman 31B Top of Ga | 0.00 | 0.00 | 4,866.00 | 561.67 | 237.26 | 1,620,354.62 | 2,403,898.52 | 39° 31' 3.43 N | 107° 36' 47.42 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 25.00) | | | | | | | | | |
| Kaufman 31B PBHL 856 | 0.00 | 0.00 | 7,406.00 | 561.67 | 237.26 | 1,620,354.62 | 2,403,898.52 | 39° 31' 3.43 N | 107° 36' 47.42 W |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Formations | | | | | | |
|---------------------|---------------------|------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 3,559.22 | 3,521.00 | Mesaverde | | 0.00 | | |
| 4,423.91 | 4,371.00 | Price Coal | | 0.00 | | |
| 4,920.31 | 4,866.00 | Top of Gas | | 0.00 | | |
| 7,160.31 | 7,106.00 | Rollins | | 0.00 | | |

| | | | |
|------------------|---------------------------|-------------------------------------|-------------------------|
| Database: | SWFS01 | Local Co-ordinate Reference: | Well Kaufman 31B-24-692 |
| Company: | Bill Barrett Corp. | TVD Reference: | KB @ 5786.00ft |
| Project: | Garfield County, Colorado | MD Reference: | KB @ 5786.00ft |
| Site: | Kaufman 6 Pad | North Reference: | True |
| Well: | Kaufman 31B-24-692 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | plan1 02jun10 smw | | |

| Plan Annotations | | | | |
|---------------------------|---------------------------|-------------------|---------------|----------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 1,000.00 | 1,000.00 | 0.00 | 0.00 | Start Build 1.50 |
| 1,735.23 | 1,730.69 | 64.98 | 27.45 | Start 2449.85 hold at 1735.23 MD |
| 4,185.08 | 4,135.31 | 496.69 | 209.81 | Start Drop -1.50 |
| 4,920.31 | 4,866.00 | 561.67 | 237.26 | Start 2540.00 hold at 4920.31 MD |
| 7,460.31 | 7,406.00 | 561.67 | 237.26 | TD at 7460.31 |