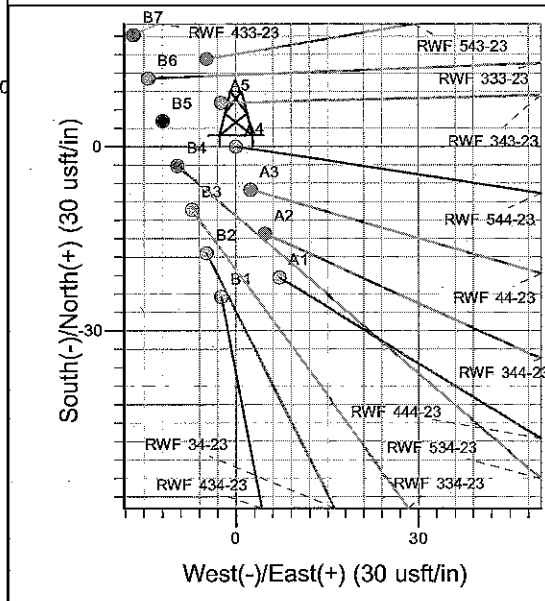
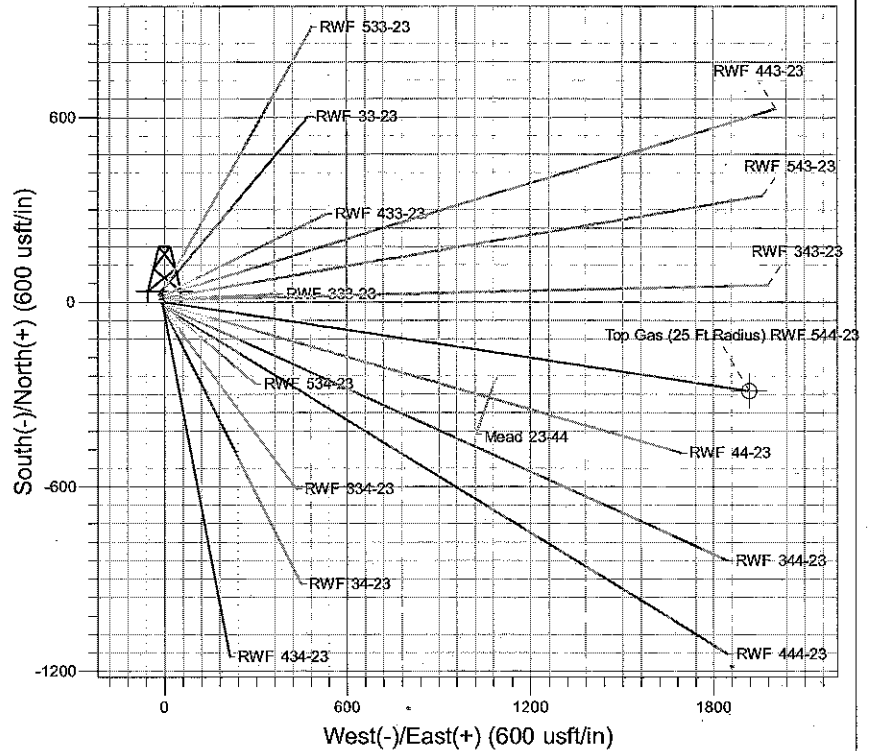
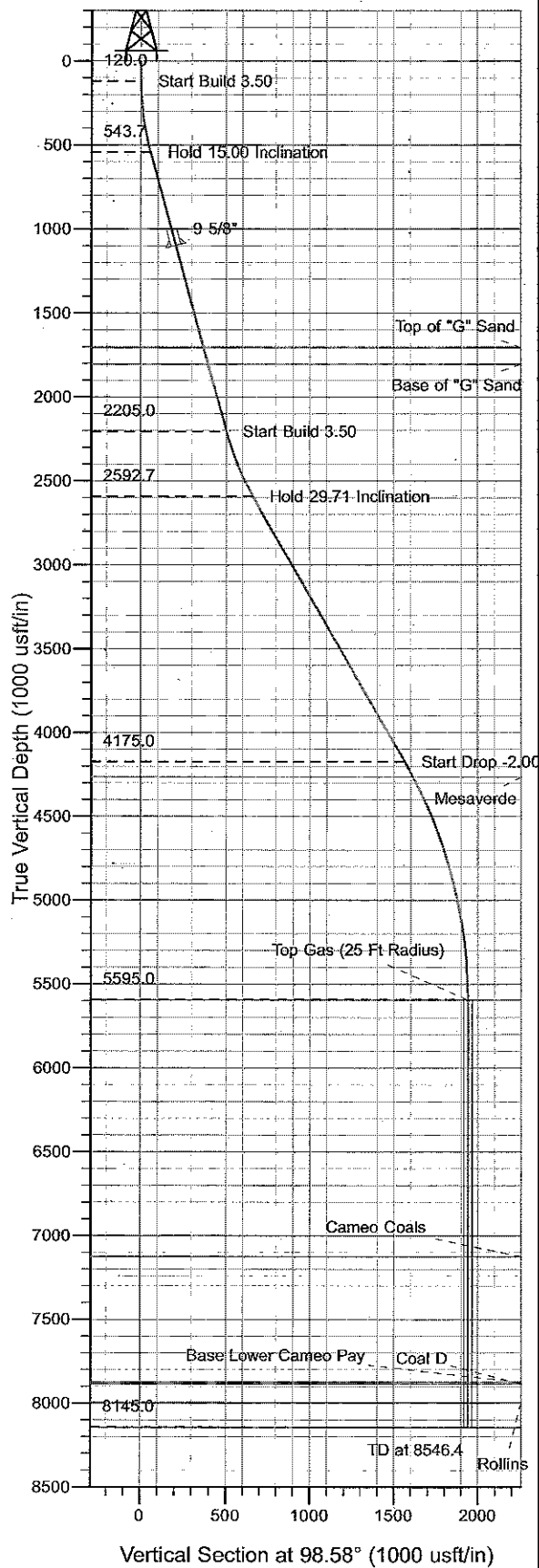




Well Name: RWF 544-23
 Surface Location: RWF 33-23 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 5501.5
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1618328.60 2335782.00 39° 30' 26.858 N 107° 51' 15.684 W A4
 WELL @ 5525.5usft (H&P (24') kjs)



Project: RU 23-06S-094W
 Site: RWF 33-23 Pad
 Well: RWF 544-23
 Plan #3 11Jun10 kjs

Azimuths to True North
 Magnetic North: 10.61°
 Magnetic Field
 Strength: 52571.6snT
 Dip Angle: 65.86°
 Date: 10/16/2008
 Model: IGRF2005-10

ANNOTATIONS

| TVD | MD | Inc | Azi | +N/-S | +E/-W | VSec | Departure | Annotation |
|--------|--------|-------|-------|--------|--------|--------|-----------|------------------------|
| 120.0 | 120.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | Start Build 3.50 |
| 543.7 | 548.6 | 15.00 | 98.58 | -8.3 | 55.2 | 55.8 | 55.8 | Hold 15.00 Inclination |
| 2205.0 | 2268.5 | 15.00 | 98.58 | -74.7 | 495.3 | 500.9 | 500.9 | Start Build 3.50 |
| 2592.7 | 2688.9 | 29.71 | 98.58 | -98.5 | 653.0 | 660.4 | 660.4 | Hold 29.71 Inclination |
| 4175.0 | 4510.7 | 29.71 | 98.58 | -233.2 | 1545.9 | 1563.4 | 1563.4 | Start Drop -2.00 |
| 5595.0 | 5996.4 | 0.00 | 0.00 | -289.4 | 1918.4 | 1940.1 | 1940.1 | Top Gas |
| 8145.0 | 8546.4 | 0.00 | 0.00 | -289.4 | 1918.4 | 1940.1 | 1940.1 | TD at 8546.4 |

PICEANCE VLY NAD 83

RU 23-06S-094W

RWF 33-23 Pad

RWF 544-23 - Slot A4

Wellbore #1

Plan: Plan #3 11Jun10 kjs

Standard Planning Report - Geographic

22 July, 2010

Williams

Planning Report - Geographic

| | | | |
|-----------|------------------------|------------------------------|-----------------------------------|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well RWF 544-23 - Slot A4 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | WELL @ 5525.5usft (H&P (24') kjs) |
| Project: | RU 23-06S-094W | MD Reference: | WELL @ 5525.5usft (H&P (24') kjs) |
| Site: | RWF 33-23 Pad | North Reference: | True |
| Well: | RWF 544-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #3 11Jun10 kjs | | |

| | | | |
|-------------|--|---------------|-----------------------------|
| Project | RU 23-06S-094W, Garfield County, CO, 23-06S-094W | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | Using geodetic scale factor |

| | | | |
|-----------------------|---------------|-------------------|-------------------|
| Site | RWF 33-23 Pad | | |
| Site Position: | | Northing: | 1,618,354.40 usft |
| From: | Map | Easting: | 2,335,763.80 usft |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13.200 in |
| | | Latitude: | 39° 30' 27.108 N |
| | | Longitude: | 107° 51' 15.924 W |
| | | Grid Convergence: | -1.485 ° |

| | | | |
|----------------------|----------------------|---------------------|-------------------|
| Well | RWF 544-23 - Slot A4 | | |
| Well Position | +N/-S | 0.0 usft | Northing: |
| | +E/-W | 0.0 usft | Easting: |
| Position Uncertainty | 0.0 usft | Wellhead Elevation: | |
| | | Latitude: | 39° 30' 26.858 N |
| | | Longitude: | 107° 51' 15.684 W |
| | | Ground Level: | 5,501.5 usft |

| | | | |
|-----------|-------------|-------------|----------------|
| Wellbore | Wellbore #1 | | |
| Magnetics | Model Name | Sample Date | Declination |
| | IGRF2005-10 | 10/16/2008 | 10.614 |
| | | | Dip Angle |
| | | | 65.857 |
| | | | Field Strength |
| | | | 52.572 |

| | | | |
|-------------------|---------------------|--------|---------------|
| Design | Plan #3 11Jun10 kjs | | |
| Audit Notes: | | | |
| Version: | Phase: | PLAN | Tie On Depth: |
| | | | 0.0 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W |
| | (usft) | (usft) | (usft) |
| | 0.0 | 0.0 | 0.0 |
| | | | Direction |
| | | | 98.58 |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 548.6 | 15.00 | 98.58 | 543.7 | -8.3 | 55.2 | 3.50 | 3.50 | 0.00 | 98.580 | |
| 2,268.5 | 15.00 | 98.58 | 2,205.0 | -74.7 | 495.3 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 2,688.9 | 29.71 | 98.58 | 2,592.7 | -98.5 | 653.0 | 3.50 | 3.50 | 0.00 | 0.000 | |
| 4,510.7 | 29.71 | 98.58 | 4,175.0 | -233.2 | 1,545.9 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 5,996.4 | 0.00 | 0.00 | 5,595.0 | -289.4 | 1,918.4 | 2.00 | -2.00 | 0.00 | 180.000 | Top Gas (25 Ft Radius) |
| 8,546.4 | 0.00 | 0.00 | 8,145.0 | -289.4 | 1,918.4 | 0.00 | 0.00 | 0.00 | 0.000 | |

Williams
Planning Report - Geographic

| | | | |
|-----------|------------------------|------------------------------|-----------------------------------|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well RWF 544-23 - Slot A4 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | WELL @ 5525.5usft (H&P (24') kjs) |
| Project: | RU 23-06S-094W | MD Reference: | WELL @ 5525.5usft (H&P (24') kjs) |
| Site: | RWF 33-23 Pad | North Reference: | True |
| Well: | RWF 544-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #3 11Jun10 kjs | | |

| Planned Survey | | | | | | | | | | |
|---------------------------|-----------------|-------------|-----------------------|--------------|--------------|---------------------|--------------------|------------------|-------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude | |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 1,618,328.60 | 2,335,782.00 | 39° 30' 26.858 N | 107° 51' 15.684 W | |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 1,618,328.60 | 2,335,782.00 | 39° 30' 26.858 N | 107° 51' 15.684 W | |
| Start Build 3.50 | | | | | | | | | | |
| 548.6 | 15.00 | 98.58 | 543.7 | -8.3 | 55.2 | 1,618,318.85 | 2,335,836.92 | 39° 30' 26.776 N | 107° 51' 14.980 W | |
| Hold 15.00 Inclination | | | | | | | | | | |
| 1,124.5 | 15.00 | 98.58 | 1,100.0 | -30.6 | 202.5 | 1,618,292.80 | 2,335,983.68 | 39° 30' 26.556 N | 107° 51' 13.100 W | |
| 9 5/8" | | | | | | | | | | |
| 1,750.8 | 15.00 | 98.58 | 1,705.0 | -54.7 | 362.8 | 1,618,264.47 | 2,336,143.29 | 39° 30' 26.317 N | 107° 51' 11.054 W | |
| Top of "G" Sand | | | | | | | | | | |
| 1,854.4 | 15.00 | 98.58 | 1,805.0 | -58.7 | 389.3 | 1,618,259.79 | 2,336,169.67 | 39° 30' 26.277 N | 107° 51' 10.716 W | |
| Base of "G" Sand | | | | | | | | | | |
| 2,268.5 | 15.00 | 98.58 | 2,205.0 | -74.7 | 495.3 | 1,618,241.06 | 2,336,275.20 | 39° 30' 26.119 N | 107° 51' 9.364 W | |
| Start Build 3.50 | | | | | | | | | | |
| 2,688.9 | 29.71 | 98.58 | 2,592.7 | -98.5 | 653.0 | 1,618,213.19 | 2,336,432.22 | 39° 30' 25.884 N | 107° 51' 7.352 W | |
| Hold 29.71 Inclination | | | | | | | | | | |
| 4,510.7 | 29.71 | 98.58 | 4,175.0 | -233.2 | 1,545.9 | 1,618,055.41 | 2,337,321.32 | 39° 30' 24.553 N | 107° 50' 55.960 W | |
| Start Drop -2.00 | | | | | | | | | | |
| 4,613.3 | 27.66 | 98.58 | 4,265.0 | -240.6 | 1,594.6 | 1,618,046.81 | 2,337,369.81 | 39° 30' 24.480 N | 107° 50' 55.339 W | |
| Mesaverde | | | | | | | | | | |
| 5,996.4 | 0.00 | 0.00 | 5,595.0 | -289.4 | 1,918.4 | 1,617,989.60 | 2,337,692.20 | 39° 30' 23.997 N | 107° 50' 51.208 W | |
| Top Gas - Approx. Top Gas | | | | | | | | | | |
| 7,526.4 | 0.00 | 0.00 | 7,125.0 | -289.4 | 1,918.4 | 1,617,989.60 | 2,337,692.20 | 39° 30' 23.997 N | 107° 50' 51.208 W | |
| Cameo Coals | | | | | | | | | | |
| 8,276.4 | 0.00 | 0.00 | 7,875.0 | -289.4 | 1,918.4 | 1,617,989.60 | 2,337,692.20 | 39° 30' 23.997 N | 107° 50' 51.208 W | |
| Base Lower Cameo Pay | | | | | | | | | | |
| 8,286.4 | 0.00 | 0.00 | 7,885.0 | -289.4 | 1,918.4 | 1,617,989.60 | 2,337,692.20 | 39° 30' 23.997 N | 107° 50' 51.208 W | |
| Coal D | | | | | | | | | | |
| 8,396.4 | 0.00 | 0.00 | 7,995.0 | -289.4 | 1,918.4 | 1,617,989.60 | 2,337,692.20 | 39° 30' 23.997 N | 107° 50' 51.208 W | |
| Rollins | | | | | | | | | | |
| 8,546.4 | 0.00 | 0.00 | 8,145.0 | -289.4 | 1,918.4 | 1,617,989.60 | 2,337,692.20 | 39° 30' 23.997 N | 107° 50' 51.208 W | |
| TD at 8546.4 | | | | | | | | | | |

| Design Targets | | | | | | | | | | |
|---------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------------|-------------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| - hit/miss target | | | | | | | | | | |
| - Shape | | | | | | | | | | |
| Top Gas (25 Ft Radius) | 0.00 | 0.00 | 5,595.0 | -289.4 | 1,918.4 | 1,617,989.60 | 2,337,692.20 | 39° 30' 23.997 N | 107° 50' 51.208 W | |
| - plan hits target center | | | | | | | | | | |
| - Circle (radius 25.0) | | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 1,124.5 | 1,100.0 | 9 5/8" | 9.625 | 12.250 | |

Williams

Planning Report - Geographic

| | | | |
|------------------|------------------------|-------------------------------------|-----------------------------------|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well RWF 544-23 - Slot A4 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | WELL @ 5525.5usft (H&P (24') kjs) |
| Project: | RU 23-06S-094W | MD Reference: | WELL @ 5525.5usft (H&P (24') kjs) |
| Site: | RWF 33-23 Pad | North Reference: | True |
| Well: | RWF 544-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #3 11Jun10 kjs | | |

| Formations | | | | | | |
|-----------------------|-----------------------|----------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 1,750.8 | 1,705.0 | Top of "G" Sand | | | | |
| 1,854.4 | 1,805.0 | Base of "G" Sand | | | | |
| 4,613.3 | 4,265.0 | Mesaverde | | | | |
| 5,996.4 | 5,595.0 | Approx. Top Gas | | | | |
| 7,526.4 | 7,125.0 | Cameo Coals | | | | |
| 8,276.4 | 7,875.0 | Base Lower Cameo Pay | | | | |
| 8,286.4 | 7,885.0 | Coal D | | | | |
| 8,396.4 | 7,995.0 | Rollins | | | | |
| 8,546.4 | 8,145.0 | TD | | | | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 120.0 | 120.0 | 0.0 | 0.0 | Start Build 3.50 | |
| 548.6 | 543.7 | -8.3 | 55.2 | Hold 15.00 Inclination | |
| 2,268.5 | 2,205.0 | -74.7 | 495.3 | Start Build 3.50 | |
| 2,688.9 | 2,592.7 | -98.5 | 653.0 | Hold 29.71 Inclination | |
| 4,510.7 | 4,175.0 | -233.2 | 1,545.9 | Start Drop -2.00 | |
| 5,996.4 | 5,595.0 | -289.4 | 1,918.4 | Top Gas | |
| 8,546.4 | 8,145.0 | -289.4 | 1,918.4 | TD at 8546.4 | |