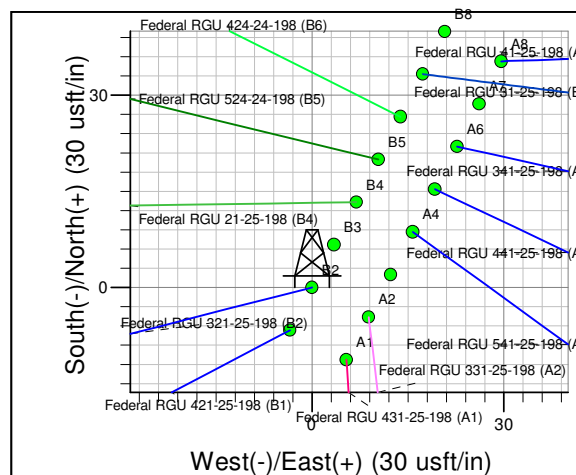
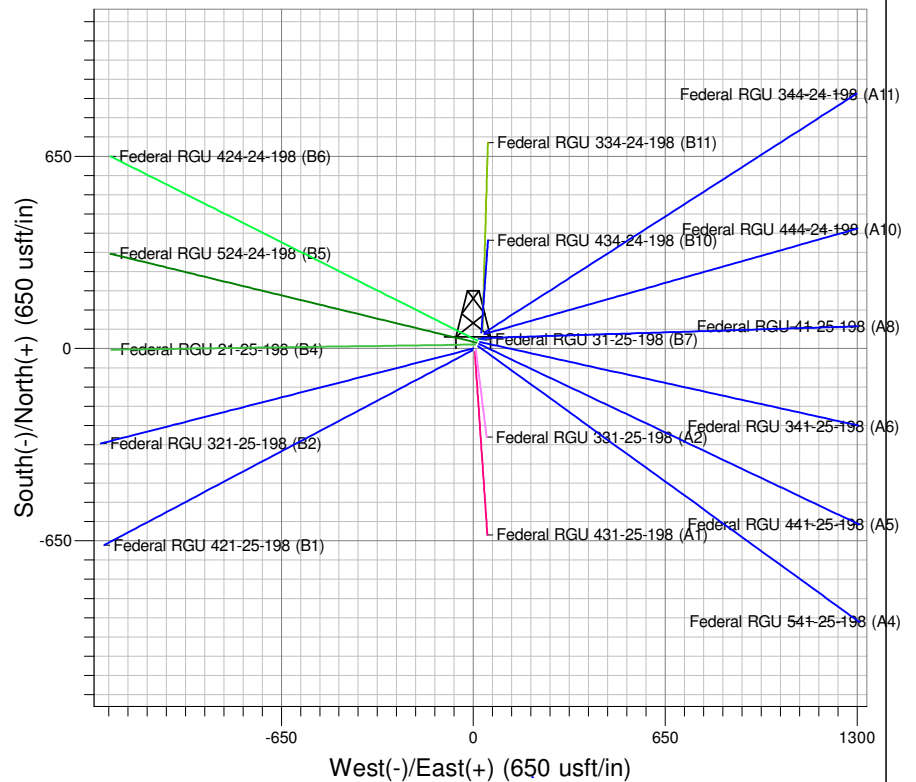


Well Name: Federal RGU 321-25-198
 Surface Location: RGU 31-25-198 Pad
 NAD 1927 (NADCON CONUS), US State Plane 1927 (Exact solution) Colorado North 501
 Ground Elevation: 6640.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 234046.87 1203909.50 39° 56' 27.094 N 108° 20' 22.453 W B2
 Cyclone 29 (21' RKB) jlb BUSHING @ 6661.0usft (Cyclone 29 (21' RKB) jlb)



Project: RG 25-01S-098W
 Site: RGU 31-25-198 Pad
 Well: Federal RGU 321-25-198
 Plan: Plan #1 14Jan09 kjs

Azimuths to True North
 Magnetic North: 10.86°
 Magnetic Field
 Strength: 52710.0snT
 Dip Angle: 66.12°
 Date: 1/12/2009
 Model: IGRF200510

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | Vsect | Target |
|--------|-------|--------|---------|--------|---------|------|---------|--------|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.0 | |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.00 | 0.000 | 0.0 | |
| 636.8 | 10.34 | 255.72 | 634.0 | -11.5 | -45.1 | 2.00 | 255.721 | 46.5 | |
| 7286.3 | 10.34 | 255.72 | 7175.6 | -305.7 | -1201.3 | 0.00 | 0.000 | 1239.6 | |
| 7975.4 | 0.00 | 0.00 | 7861.0 | -321.0 | -1261.4 | 1.50 | 180.000 | 1301.6 | Mesaverde (25' Radius) Federal RGU 321-25-198 |
| 2875.4 | 0.00 | 0.00 | 12761.0 | -321.0 | -1261.4 | 0.00 | 0.000 | 1301.6 | |

| TVD | MD | Inc | Azi | +N/-S | +E/-W | Vsect | Departure | Annotation |
|---------|---------|-------|--------|--------|---------|--------|-----------|------------------|
| 120.0 | 120.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | Start Build 2.00 |
| 634.0 | 636.8 | 10.34 | 255.72 | -11.5 | -45.1 | 46.5 | 46.5 | Hold 10.34 inc |
| 7175.6 | 7286.3 | 10.34 | 255.72 | -305.7 | -1201.3 | 1239.6 | 1239.6 | Start Drop -1.50 |
| 7861.0 | 7975.4 | 0.00 | 0.00 | -321.0 | -1261.4 | 1301.6 | 1301.6 | Vertical |
| 12761.0 | 12875.4 | 0.00 | 0.00 | -321.0 | -1261.4 | 1301.6 | 1301.6 | TD at 12875.4 |

PICEANCE HL NAD 27

RG 25-01S-098W

RGU 31-25-198 Pad

Federal RGU 321-25-198 - Slot B2

Wellbore #1

Plan: Plan #1 14Jan09 kjs

Standard Planning Report - Geographic

25 January, 2010

Williams
Planning Report - Geographic

| | | | |
|------------------|------------------------|-------------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well Federal RGU 321-25-198 (B2) - Slot B2 |
| Company: | PICEANCE HL NAD 27 | TVD Reference: | KELLY BUSHING @ 6661.0usft (Cyclone 29 (21' RKB) jib) |
| Project: | RG 25-01S-098W | MD Reference: | KELLY BUSHING @ 6661.0usft (Cyclone 29 (21' RKB) jib) |
| Site: | RGU 31-25-198 Pad | North Reference: | True |
| Well: | Federal RGU 321-25-198 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 14Jan09 kjs | | |

| | | | |
|--------------------|---|----------------------|-----------------------------|
| Project | RG 25-01S-098W, Rio Blanco County, CO, RG 25-01S-098W | | |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | Colorado North 501 | | Using geodetic scale factor |

| | | | |
|------------------------------|-------------------|--------------------------|-------------------|
| Site | RGU 31-25-198 Pad | | |
| Site Position: | | Northing: | 234,112.07 usft |
| From: | Map | Easting: | 1,203,931.20 usft |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 0.000 in |
| | | Latitude: | 39° 56' 27.745 N |
| | | Longitude: | 108° 20' 22.202 W |
| | | Grid Convergence: | -1.835 ° |

| | | | |
|-----------------------------|----------------------------------|----------------------------|-------------------------------------|
| Well | Federal RGU 321-25-198 - Slot B2 | | |
| Well Position | +N/-S | 0.0 usft | Northing: 234,046.87 usft |
| | +E/-W | 0.0 usft | Easting: 1,203,909.50 usft |
| Position Uncertainty | 0.0 usft | Wellhead Elevation: | Latitude: 39° 56' 27.094 N |
| | | | Longitude: 108° 20' 22.453 W |
| | | | Ground Level: 6,640.0 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 1/12/2009 | 10.859 | 66.115 | 52,710 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Plan #1 14Jan09 kjs | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 255.72 |

| 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 | |
| 636.8 | 10.34 | 255.72 | 634.0 | -11.5 | -45.1 | 2.00 | 2.00 | 0.00 | 255.721 | |
| 7,286.3 | 10.34 | 255.72 | 7,175.6 | -305.7 | -1,201.3 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 7,975.4 | 0.00 | 0.00 | 7,861.0 | -321.0 | -1,261.4 | 1.50 | -1.50 | 0.00 | 180.000 | Mesaverde (25' Radiu |
| 12,875.4 | 0.00 | 0.00 | 12,761.0 | -321.0 | -1,261.4 | 0.00 | 0.00 | 0.00 | 0.000 | |

Williams
Planning Report - Geographic

| | | | |
|------------------|------------------------|-------------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well Federal RGU 321-25-198 (B2) - Slot B2 |
| Company: | PICEANCE HL NAD 27 | TVD Reference: | KELLY BUSHING @ 6661.0usft (Cyclone 29 (21' RKB) jjb) |
| Project: | RG 25-01S-098W | MD Reference: | KELLY BUSHING @ 6661.0usft (Cyclone 29 (21' RKB) jjb) |
| Site: | RGU 31-25-198 Pad | North Reference: | True |
| Well: | Federal RGU 321-25-198 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 14Jan09 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 | 234,046.87 | 1,203,909.50 | 39° 56' 27.094 N | 108° 20' 22.453 W |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 234,046.87 | 1,203,909.50 | 39° 56' 27.094 N | 108° 20' 22.453 W |
| 636.8 | 10.34 | 255.72 | 634.0 | -11.5 | -45.1 | 234,036.85 | 1,203,864.10 | 39° 56' 26.981 N | 108° 20' 23.032 W |
| 7,286.3 | 10.34 | 255.72 | 7,175.6 | -305.7 | -1,201.3 | 233,779.75 | 1,202,699.03 | 39° 56' 24.072 N | 108° 20' 37.876 W |
| 7,975.4 | 0.00 | 0.00 | 7,861.0 | -321.0 | -1,261.4 | 233,766.40 | 1,202,638.50 | 39° 56' 23.921 N | 108° 20' 38.647 W |
| 12,875.4 | 0.00 | 0.00 | 12,761.0 | -321.0 | -1,261.4 | 233,766.40 | 1,202,638.50 | 39° 56' 23.921 N | 108° 20' 38.647 W |

| 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 | | | | | | | | | |
| Mesaverde (25' Radius) | 0.00 | 0.00 | 7,861.0 | -321.0 | -1,261.4 | 233,766.40 | 1,202,638.50 | 39° 56' 23.921 N | 108° 20' 38.647 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 25.0) | | | | | | | | | |
| Mesaverde (50' Radius) | 0.00 | 0.00 | 7,861.0 | -321.0 | -1,261.4 | 233,766.40 | 1,202,638.50 | 39° 56' 23.921 N | 108° 20' 38.647 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.0) | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 3,980.0 | 3,922.9 | 9 5/8" | 9.625 | 13.500 | |

Williams
Planning Report - Geographic

| | | | |
|------------------|------------------------|-------------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well Federal RGU 321-25-198 (B2) - Slot B2 |
| Company: | PICEANCE HL NAD 27 | TVD Reference: | KELLY BUSHING @ 6661.0usft (Cyclone 29 (21' RKB) jjb) |
| Project: | RG 25-01S-098W | MD Reference: | KELLY BUSHING @ 6661.0usft (Cyclone 29 (21' RKB) jjb) |
| Site: | RGU 31-25-198 Pad | North Reference: | True |
| Well: | Federal RGU 321-25-198 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 14Jan09 kjs | | |

| Formations | | | | | | |
|-----------------------|-----------------------|---------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 1,284.3 | 1,271.0 | Green River Fm | | | | |
| 1,482.5 | 1,466.0 | A Groove | | | | |
| 1,690.9 | 1,671.0 | B Groove | | | | |
| 1,985.7 | 1,961.0 | Dissolution Surface | | | | |
| 3,068.3 | 3,026.0 | Garden Gulch | | | | |
| 3,246.1 | 3,201.0 | Orange Marker | | | | |
| 3,479.9 | 3,431.0 | Wasatch | | | | |
| 5,904.3 | 5,816.0 | G' Sand | | | | |
| 6,285.5 | 6,191.0 | Ft. Union | | | | |
| 7,685.2 | 7,571.0 | Ohio Creek | | | | |
| 7,975.4 | 7,861.0 | Mesaverde | | | | |
| 8,975.4 | 8,861.0 | Top Gas | | | | |
| 11,265.4 | 11,151.0 | Cameo Coals | | | | |
| 11,645.4 | 11,531.0 | Rollins SS | | | | |
| 11,780.4 | 11,666.0 | Cozzette | | | | |
| 11,995.4 | 11,881.0 | Corcoran | | | | |
| 12,395.4 | 12,281.0 | Upper Sego | | | | |
| 12,625.4 | 12,511.0 | Lower Sego | | | | |
| 12,875.4 | 12,761.0 | TD | | 0.000 | | |

| 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 2.00 | |
| 636.8 | 634.0 | -11.5 | -45.1 | Hold 10.34 inc | |
| 7,286.3 | 7,175.6 | -305.7 | -1,201.3 | Start Drop -1.50 | |
| 7,975.4 | 7,861.0 | -321.0 | -1,261.4 | Vertical | |
| 12,875.4 | 12,761.0 | -321.0 | -1,261.4 | TD at 12875.4 | |