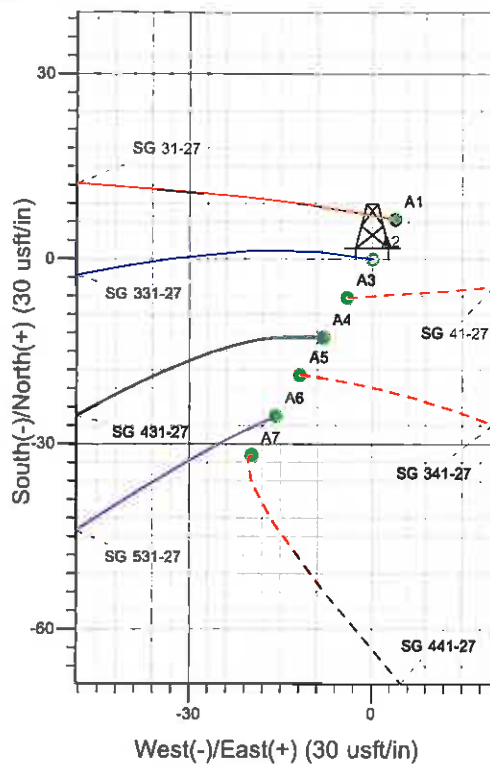
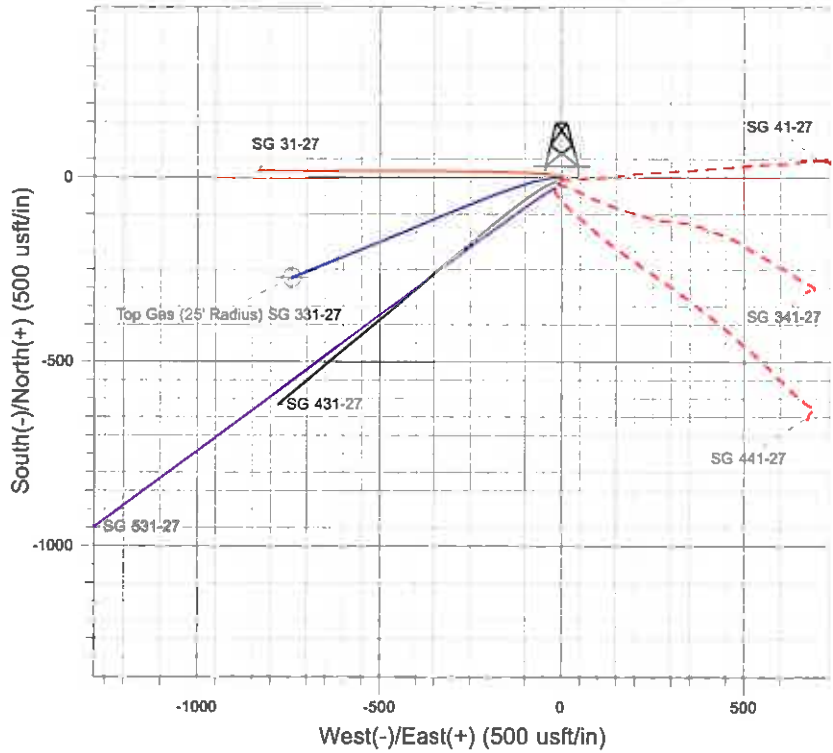
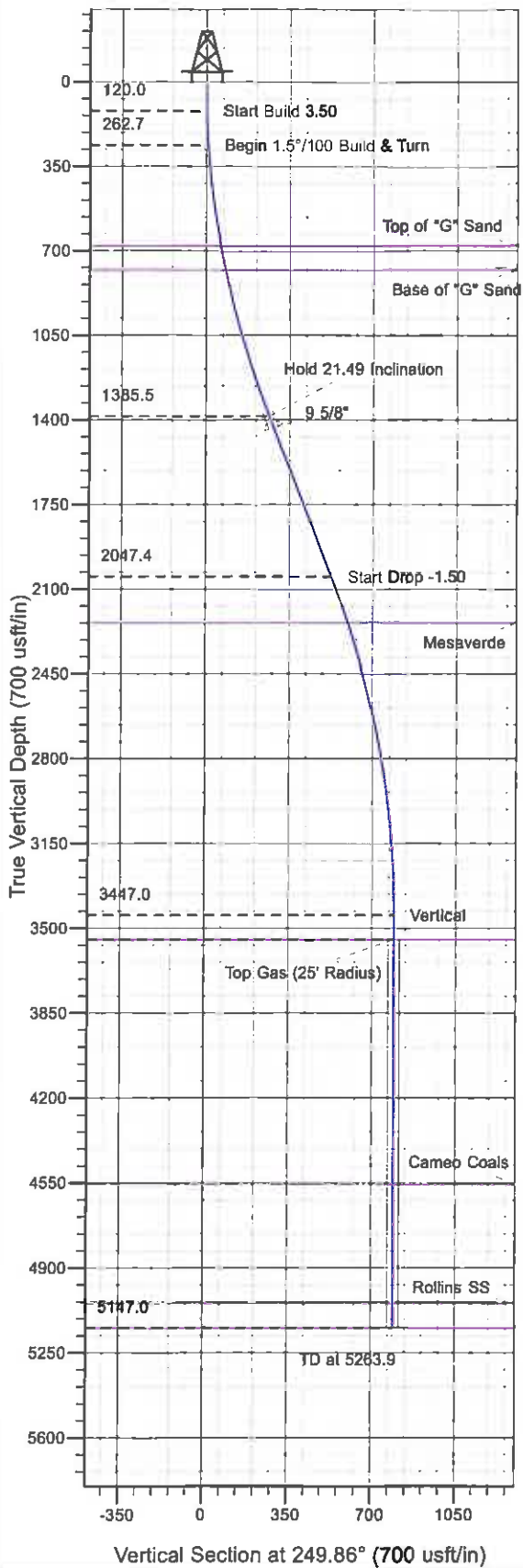




Well Name: SG 331-27
 Surface Location: SG 41-27 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 5085.0
 +N/-S 0.0 +E/-W 0.0 Northing 1586638.80 Easting 2268084.40 Latitude 39° 24' 55.552 N Longitude 108° 5' 27.555 W Slot A2
 KELLY BUSHING @ 5109.0usft (H&P (24' KB) kjs)



Project: SG 27-07S-096W
 Site: SG 41-27 Pad
 Well: SG 331-27
 Plan #1 14Dec07 kje

M Azimuths to True North
 Magnetic North: 10.82°
 Magnetic Field
 Strength: 52575.0snT
 Dip Angle: 65.76°
 Date: 12/13/2007
 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 |
| 262.7 | 262.9 | 5.00 | 278.00 | 0.9 | -6.2 | 5.5 | 6.2 | Begin 1.5°/100 Build & Turn |
| 1385.5 | 1419.5 | 21.49 | 247.78 | -72.8 | -254.1 | 263.7 | 266.5 | Hold 21.49 Inclination |
| 2047.4 | 2130.9 | 21.49 | 247.78 | -171.4 | -495.5 | 524.2 | 527.1 | Start Drop -1.50 |
| 3447.0 | 3563.9 | 0.00 | 0.00 | -271.9 | -741.4 | 789.7 | 792.8 | Vertical |
| 3547.0 | 3663.9 | 0.00 | 0.00 | -271.9 | -741.4 | 789.7 | 792.8 | Top Gas |
| 5147.0 | 5283.9 | 0.00 | 0.00 | -271.9 | -741.4 | 789.7 | 792.8 | TD at 5263.9 |

PICEANCE VLY NAD 83

SG 27-07S-096W

SG 41-27 Pad

SG 331-27 - Slot A2

Wellbore #1

Plan: Plan #1 14Dec07 kjs

Standard Planning Report - Geographic

27 January, 2011

Williams
Planning Report - Geographic

| | | | |
|------------------|------------------------|-------------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well SG 331-27 - Slot A2 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 5109.0usft (H&P (24' KB) kjs) |
| Project: | SG 27-07S-096W | MD Reference: | KELLY BUSHING @ 5109.0usft (H&P (24' KB) kjs) |
| Site: | SG 41-27 Pad | North Reference: | True |
| Well: | SG 331-27 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 14Dec07 kjs | | |

| | | | |
|--------------------|--|----------------------|-----------------------------|
| Project | SG 27-07S-096W, Garfield County, CO, 27-07S-096W | | |
| 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 | SG 41-27 Pad | | | | |
| Site Position: | | Northing: | 1,586,632.60 usft | Latitude: | 39° 24' 55.489 N |
| From: | Map | Easting: | 2,268,080.20 usft | Longitude: | 108° 5' 27.606 W |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13.200 in | Grid Convergence: | -1.634 ° |

| | | | | | | |
|-----------------------------|---------------------|----------|----------------------------|-------------------|----------------------|------------------|
| Well | SG 331-27 - Slot A2 | | | | | |
| Well Position | +N/-S | 0.0 usft | Northing: | 1,586,638.80 usft | Latitude: | 39° 24' 55.552 N |
| | +E/-W | 0.0 usft | Easting: | 2,268,084.40 usft | Longitude: | 108° 5' 27.555 W |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | | Ground Level: | 5,085.0 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2005-10 | 12/13/2007 | 10.817 | 65.757 | 52,575 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Plan #1 14Dec07 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 | 249.86 |

| 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 | |
| 262.9 | 5.00 | 278.00 | 262.7 | 0.9 | -6.2 | 3.50 | 3.50 | 0.00 | 278.000 | |
| 1,419.5 | 21.49 | 247.78 | 1,385.5 | -72.8 | -254.1 | 1.50 | 1.43 | -2.61 | -38.206 | |
| 2,130.9 | 21.49 | 247.78 | 2,047.4 | -171.4 | -485.5 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 3,563.9 | 0.00 | 0.00 | 3,447.0 | -271.9 | -741.4 | 1.50 | -1.50 | 0.00 | 180.000 | |
| 5,263.9 | 0.00 | 0.00 | 5,147.0 | -271.9 | -741.4 | 0.00 | 0.00 | 0.00 | 0.000 | TD / PBHL SG 331-27 |

Williams
Planning Report - Geographic

| | | | |
|------------------|------------------------|-------------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well SG 331-27 - Slot A2 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 5109.0usft (H&P (24' KB) kjs) |
| Project: | SG 27-07S-096W | MD Reference: | KELLY BUSHING @ 5109.0usft (H&P (24' KB) kjs) |
| Site: | SG 41-27 Pad | North Reference: | True |
| Well: | SG 331-27 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 14Dec07 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 | 1,586,638.80 | 2,268,084.40 | 39° 24' 55.552 N | 108° 5' 27.555 W | |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 1,586,638.80 | 2,268,084.40 | 39° 24' 55.552 N | 108° 5' 27.555 W | |
| Start Build 3.50 | | | | | | | | | | |
| 262.9 | 5.00 | 278.00 | 262.7 | 0.9 | -6.2 | 1,586,639.84 | 2,268,078.26 | 39° 24' 55.560 N | 108° 5' 27.633 W | |
| Begin 1.5"/100 Build & Turn | | | | | | | | | | |
| 681.2 | 10.66 | 256.57 | 677.0 | -5.6 | -61.9 | 1,586,634.97 | 2,268,022.36 | 39° 24' 55.496 N | 108° 5' 28.344 W | |
| Top of "G" Sand | | | | | | | | | | |
| 783.2 | 12.13 | 254.44 | 777.0 | -10.7 | -81.4 | 1,586,630.46 | 2,268,002.72 | 39° 24' 55.446 N | 108° 5' 28.582 W | |
| Base of "G" Sand | | | | | | | | | | |
| 1,419.5 | 21.49 | 247.78 | 1,385.5 | -72.8 | -254.1 | 1,586,573.26 | 2,267,828.30 | 39° 24' 54.832 N | 108° 5' 30.793 W | |
| Hold 21.49 Inclination | | | | | | | | | | |
| 1,470.0 | 21.49 | 247.78 | 1,432.5 | -79.8 | -271.3 | 1,586,566.75 | 2,267,810.97 | 39° 24' 54.763 N | 108° 5' 31.011 W | |
| 9 5/8" | | | | | | | | | | |
| 2,130.9 | 21.49 | 247.78 | 2,047.4 | -171.4 | -495.5 | 1,586,481.60 | 2,267,584.26 | 39° 24' 53.858 N | 108° 5' 33.868 W | |
| Start Drop -1.50 | | | | | | | | | | |
| 2,332.7 | 18.47 | 247.78 | 2,237.0 | -197.5 | -559.3 | 1,586,457.36 | 2,267,519.75 | 39° 24' 53.600 N | 108° 5' 34.681 W | |
| Mesaverde | | | | | | | | | | |
| 3,583.9 | 0.00 | 0.00 | 3,447.0 | -271.9 | -741.4 | 1,586,388.20 | 2,267,335.60 | 39° 24' 52.865 N | 108° 5' 37.001 W | |
| Vertical | | | | | | | | | | |
| 3,663.9 | 0.00 | 0.00 | 3,547.0 | -271.9 | -741.4 | 1,586,388.20 | 2,267,335.60 | 39° 24' 52.865 N | 108° 5' 37.001 W | |
| Top Gas - Approx. Top Gas | | | | | | | | | | |
| 4,673.9 | 0.00 | 0.00 | 4,557.0 | -271.9 | -741.4 | 1,586,388.20 | 2,267,335.60 | 39° 24' 52.865 N | 108° 5' 37.001 W | |
| Cameo Coals | | | | | | | | | | |
| 5,163.9 | 0.00 | 0.00 | 5,047.0 | -271.9 | -741.4 | 1,586,388.20 | 2,267,335.60 | 39° 24' 52.865 N | 108° 5' 37.001 W | |
| Rollins SS | | | | | | | | | | |
| 5,263.9 | 0.00 | 0.00 | 5,147.0 | -271.9 | -741.4 | 1,586,388.20 | 2,267,335.60 | 39° 24' 52.865 N | 108° 5' 37.001 W | |
| TD at 5263.9 - TD | | | | | | | | | | |

| Design Targets | | | | | | | | | | |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------------|------------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| Top Gas (25' Radius) SC - hit/miss target - Shape - Circle (radius 25.0) | 0.00 | 0.00 | 3,547.0 | -271.9 | -741.4 | 1,586,388.20 | 2,267,335.60 | 39° 24' 52.865 N | 108° 5' 37.001 W | |
| TD / PBHL SG 331-27 - plan hits target center - Point | 0.00 | 0.00 | 5,147.0 | -271.9 | -741.4 | 1,586,388.20 | 2,267,335.60 | 39° 24' 52.865 N | 108° 5' 37.001 W | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 1,470.0 | 1,432.5 | 9 5/8" | 9.625 | 12.250 | |

Williams
Planning Report - Geographic

| | | | |
|-----------|------------------------|------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well SG 331-27 - Slot A2 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 5109.0usft (H&P (24' KB) kjs) |
| Project: | SG 27-07S-096W | MD Reference: | KELLY BUSHING @ 5109.0usft (H&P (24' KB) kjs) |
| Site: | SG 41-27 Pad | North Reference: | True |
| Well: | SG 331-27 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 14Dec07 kjs | | |

| Formations | | | | | | |
|-----------------------|-----------------------|------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 681.2 | 677.0 | Top of "G" Sand | | | | |
| 783.2 | 777.0 | Base of "G" Sand | | | | |
| 2,332.7 | 2,237.0 | Mesaverde | | | | |
| 3,663.9 | 3,547.0 | Approx. Top Gas | | | | |
| 4,673.9 | 4,557.0 | Cameo Coals | | | | |
| 5,163.9 | 5,047.0 | Rollins SS | | | | |
| 5,263.9 | 5,147.0 | TD | | | | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|-----------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment | |
| | | +N/-S (usft) | +E/-W (usft) | | |
| 120.0 | 120.0 | 0.0 | 0.0 | Start Build 3.50 | |
| 262.9 | 262.7 | 0.9 | -6.2 | Begin 1.5°/100 Build & Turn | |
| 1,419.5 | 1,385.5 | -72.8 | -254.1 | Hold 21.49 Inclination | |
| 2,130.9 | 2,047.4 | -171.4 | -495.5 | Start Drop -1.50 | |
| 3,563.9 | 3,447.0 | -271.9 | -741.4 | Vertical | |
| 3,663.9 | 3,547.0 | -271.9 | -741.4 | Top Gas | |
| 5,263.9 | 5,147.0 | -271.9 | -741.4 | TD at 5263.9 | |