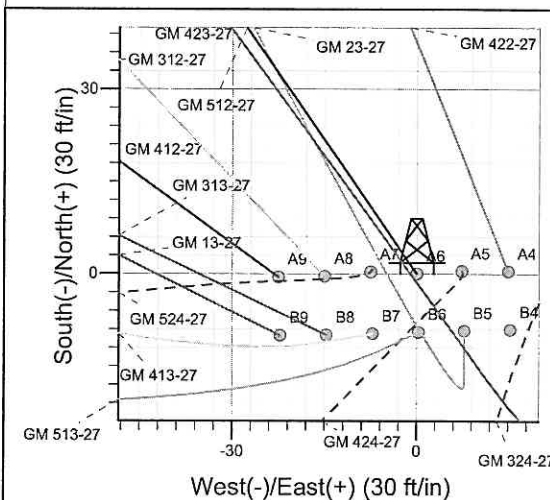
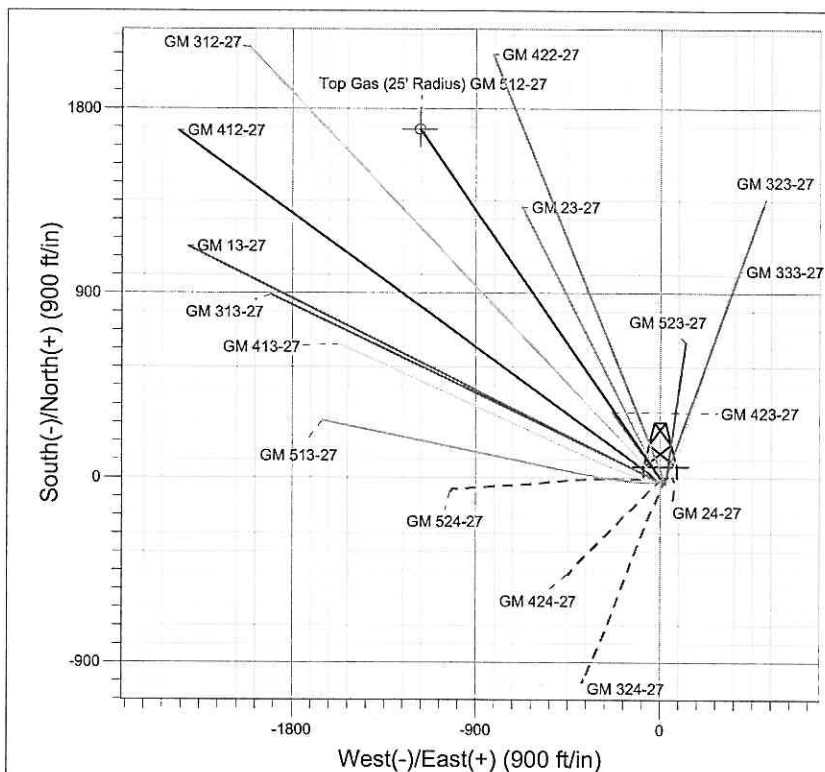
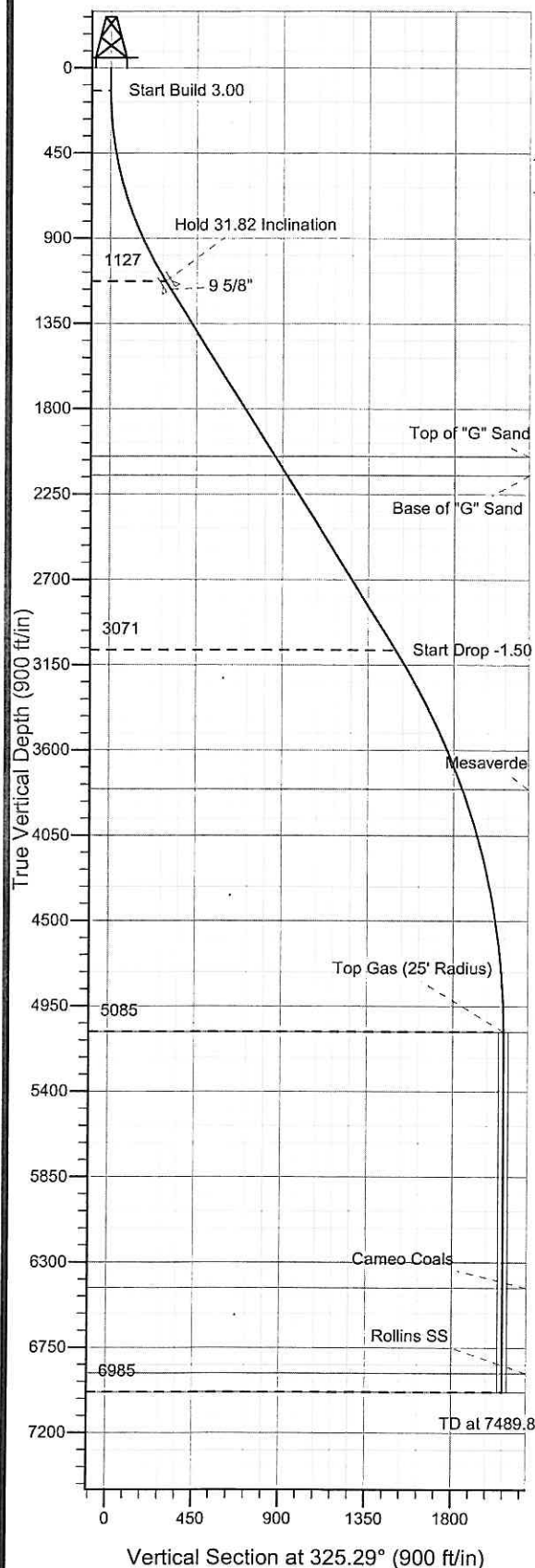




Well Name: GM 512-27
 Surface Location: GM 24-27 Pad
 North American Datum 1983, US State Plane 1983 Colorado Central Zone
 Ground Elevation: 5604.0

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|------------|------------|------------------|------------------|------|
| 0.0 | 0.0 | 1614217.70 | 2267675.30 | 39° 29' 27.907 N | 108° 5' 42.803 W | A6 |

KELLY BUSHING @ 5628.0ft (H&P 278 (24") kjs)



Project: GV 27-06S-096W
 Site: GM 24-27 Pad
 Well: GM 512-27
 Plan #1 11Dec08 kjs

T M Azimuths to True North
 Magnetic North: 10.70°
 Magnetic Field
 Strength: 52560.6snT
 Dip Angle: 65.79°
 Date: 12/10/2008
 Model: IGRF2005-10

| SECTION DETAILS | | | | | | | | | | |
|-----------------|--------|-------|--------|--------|--------|---------|------|--------|--------|--------------------------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1180.6 | 31.82 | 325.29 | 1126.9 | 235.9 | -163.4 | 3.00 | 325.29 | 287.0 | |
| 4 | 3468.7 | 31.82 | 325.29 | 3071.2 | 1227.6 | -850.3 | 0.00 | 0.00 | 1493.3 | |
| 5 | 5589.8 | 0.00 | 0.00 | 5085.0 | 1699.4 | -1177.1 | 1.50 | 180.00 | 2067.3 | Top Gas (25' Radius) GM 512-27 |
| 6 | 7489.8 | 0.00 | 0.00 | 6985.0 | 1699.4 | -1177.1 | 0.00 | 0.00 | 2067.3 | |

| ANNOTATIONS | | |
|-------------|--------|------------------------|
| TVD | MD | Annotation |
| 120.0 | 120.0 | Start Build 3.00 |
| 1126.9 | 1180.6 | Hold 31.82 Inclination |
| 3071.2 | 3468.7 | Start Drop -1.50 |
| 5085.0 | 5589.8 | Top Gas |
| 6985.0 | 7489.8 | TD at 7489.8 |

PICEANCE VLY NAD 83

GV 27-06S-096W

GM 24-27 Pad

GM 512-27 - Slot A6

Wellbore #1

Plan: Plan #1 11Dec08 kjs

Standard Planning Report - Geographic

11 August, 2009

Williams Production RMT Company

Planning Report - Geographic

| | | | |
|------------------|---------------------|-------------------------------------|--|
| Database: | EDMDB_COMPASS | Local Co-ordinate Reference: | Well GM 512-27 - Slot A6 |
| Company: | PICEANCE VLY NAD 83 | TVD Reference: | KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs) |
| Project: | GV 27-06S-096W | MD Reference: | KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs) |
| Site: | GM 24-27 Pad | North Reference: | True |
| Well: | GM 512-27 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 11Dec08 kjs | | |

| | | | |
|--------------------|--|----------------------|-----------------------------|
| Project | GV 27-06S-096W, Garfield County, CO, 27-06S-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 | GM 24-27 Pad | | |
| Site Position: | | Northing: | 1,614,217.60 ft |
| From: | Map | Easting: | 2,267,712.90 ft |
| Position Uncertainty: | 0.0 ft | Slot Radius: | " |
| | | Latitude: | 39° 29' 27.917 N |
| | | Longitude: | 108° 5' 42.324 W |
| | | Grid Convergence: | -1.64 ° |

| | | | |
|-----------------------------|---------------------|----------------------------|------------------|
| Well | GM 512-27 - Slot A6 | | |
| Well Position | +N/-S | 0.0 ft | Northing: |
| | +E/-W | 0.0 ft | Easting: |
| Position Uncertainty | 0.0 ft | Wellhead Elevation: | ft |
| | | Latitude: | 39° 29' 27.907 N |
| | | Longitude: | 108° 5' 42.803 W |
| | | Ground Level: | 5,604.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2005-10 | 12/10/2008 | 10.70 | 65.79 | 52,561 |

| | | | | |
|--------------------------|-------------------------|--------------|----------------------|------------------|
| Design | Plan #1 11Dec08 kjs | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction |
| | (ft) | (ft) | (ft) | (°) |
| | 0.0 | 0.0 | 0.0 | 325.29 |

| 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 |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,180.6 | 31.82 | 325.29 | 1,126.9 | 235.9 | -163.4 | 3.00 | 3.00 | 0.00 | 325.29 | |
| 3,468.7 | 31.82 | 325.29 | 3,071.2 | 1,227.6 | -850.3 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,589.8 | 0.00 | 0.00 | 5,085.0 | 1,699.4 | -1,177.1 | 1.50 | -1.50 | 0.00 | 180.00 | Top Gas (25' Radius) |
| 7,489.8 | 0.00 | 0.00 | 6,985.0 | 1,699.4 | -1,177.1 | 0.00 | 0.00 | 0.00 | 0.00 | |

Williams Production RMT Company

Planning Report - Geographic

Database: EDMDB_COMPASS
Company: PICEANCE VLY NAD 83
Project: GV 27-06S-096W
Site: GM 24-27 Pad
Well: GM 512-27
Wellbore: Wellbore #1
Design: Plan #1 11Dec08 kjs

Local Co-ordinate Reference: Well GM 512-27 - Slot A6
TVD Reference: KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)
MD Reference: KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (ft) | Map Easting (ft) | Latitude | Longitude |
|---------------------|-----------------|-------------|---------------------|------------|------------|-------------------|------------------|------------------|------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 1,614,217.70 | 2,267,675.30 | 39° 29' 27.907 N | 108° 5' 42.803 W |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 1,614,217.70 | 2,267,675.30 | 39° 29' 27.907 N | 108° 5' 42.803 W |
| 1,180.6 | 31.82 | 325.29 | 1,126.9 | 235.9 | -163.4 | 1,614,458.18 | 2,267,518.71 | 39° 29' 30.239 N | 108° 5' 44.887 W |
| 1,231.0 | 31.82 | 325.29 | 1,169.7 | 257.8 | -178.5 | 1,614,480.46 | 2,267,504.20 | 39° 29' 30.455 N | 108° 5' 45.081 W |
| 9 5/8" | | | | | | | | | |
| 2,266.9 | 31.82 | 325.29 | 2,050.0 | 706.7 | -489.5 | 1,614,938.11 | 2,267,206.20 | 39° 29' 34.892 N | 108° 5' 49.047 W |
| Top of "G" Sand | | | | | | | | | |
| 2,384.6 | 31.82 | 325.29 | 2,150.0 | 757.7 | -524.8 | 1,614,990.10 | 2,267,172.35 | 39° 29' 35.396 N | 108° 5' 49.498 W |
| Base of "G" Sand | | | | | | | | | |
| 3,468.7 | 31.82 | 325.29 | 3,071.2 | 1,227.6 | -850.3 | 1,615,469.04 | 2,266,860.48 | 39° 29' 40.040 N | 108° 5' 53.649 W |
| 4,284.6 | 19.58 | 325.29 | 3,805.0 | 1,517.9 | -1,051.3 | 1,615,764.93 | 2,266,667.81 | 39° 29' 42.909 N | 108° 5' 56.214 W |
| Mesaverde | | | | | | | | | |
| 5,589.8 | 0.00 | 0.00 | 5,085.0 | 1,699.4 | -1,177.1 | 1,615,950.00 | 2,266,547.30 | 39° 29' 44.703 N | 108° 5' 57.818 W |
| Approx. Top Gas | | | | | | | | | |
| 6,939.8 | 0.00 | 0.00 | 6,435.0 | 1,699.4 | -1,177.1 | 1,615,950.00 | 2,266,547.30 | 39° 29' 44.703 N | 108° 5' 57.818 W |
| Cameo Coals | | | | | | | | | |
| 7,389.8 | 0.00 | 0.00 | 6,885.0 | 1,699.4 | -1,177.1 | 1,615,950.00 | 2,266,547.30 | 39° 29' 44.703 N | 108° 5' 57.818 W |
| Rollins SS | | | | | | | | | |
| 7,489.8 | 0.00 | 0.00 | 6,985.0 | 1,699.4 | -1,177.1 | 1,615,950.00 | 2,266,547.30 | 39° 29' 44.703 N | 108° 5' 57.818 W |
| TD | | | | | | | | | |

Targets

| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|-------------------------|---------------|--------------|----------|------------|------------|---------------|--------------|------------------|------------------|
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| Top Gas (25' Radius) GI | 0.00 | 0.00 | 5,085.0 | 1,699.4 | -1,177.1 | 1,615,950.00 | 2,266,547.30 | 39° 29' 44.703 N | 108° 5' 57.818 W |
| - plan hits target | | | | | | | | | |
| - Circle (radius 25.0) | | | | | | | | | |

Casing Points

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
|---------------------|---------------------|--------|---------------------|-------------------|
| 1,231.0 | 1,169.7 | 9 5/8" | 9-5/8 | 12-1/4 |

Formations

| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---------------------|---------------------|------------------|-----------|---------|-------------------|
| 2,266.9 | 2,050.00 | Top of "G" Sand | | | |
| 2,384.6 | 2,150.00 | Base of "G" Sand | | | |
| 4,284.6 | 3,805.00 | Mesaverde | | | |
| 5,589.8 | 5,085.00 | Approx. Top Gas | | | |
| 6,939.8 | 6,435.00 | Cameo Coals | | | |
| 7,389.8 | 6,885.00 | Rollins SS | | | |
| 7,489.8 | 6,985.00 | TD | | | |

Williams Production RMT Company

Planning Report - Geographic

Database: EDMDB_COMPASS
Company: PICEANCE VLY NAD 83
Project: GV 27-06S-096W
Site: GM 24-27 Pad
Well: GM 512-27
Wellbore: Wellbore #1
Design: Plan #1 11Dec08 kjs

Local Co-ordinate Reference: Well GM 512-27 - Slot A6
TVD Reference: KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)
MD Reference: KELLY BUSHING @ 5628.0ft (H&P 278 (24') kjs)
North Reference: True
Survey Calculation Method: Minimum Curvature

Plan Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------------|---------------------------|-------------------|---------------|------------------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 120.0 | 120.0 | 0.0 | 0.0 | Start Build 3.00 |
| 1,180.6 | 1,126.9 | 235.9 | -163.4 | Hold 31.82 Inclination |
| 3,468.7 | 3,071.2 | 1,227.6 | -850.3 | Start Drop -1.50 |
| 5,589.8 | 5,085.0 | 1,699.4 | -1,177.1 | Top Gas |
| 7,489.8 | 6,985.0 | 1,699.4 | -1,177.1 | TD at 7489.8 |