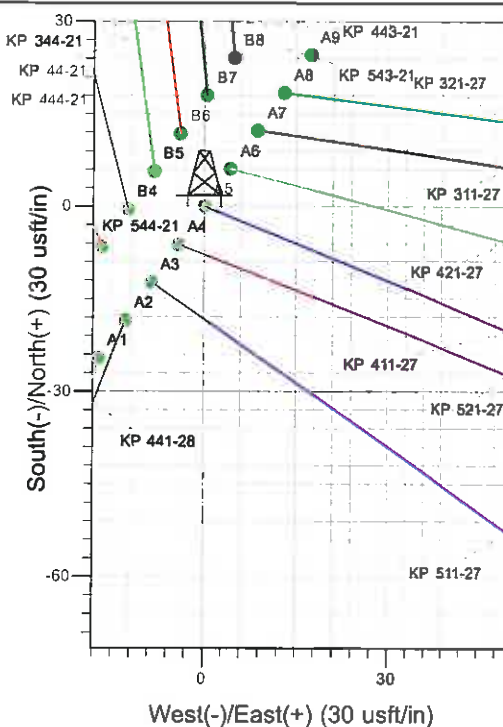
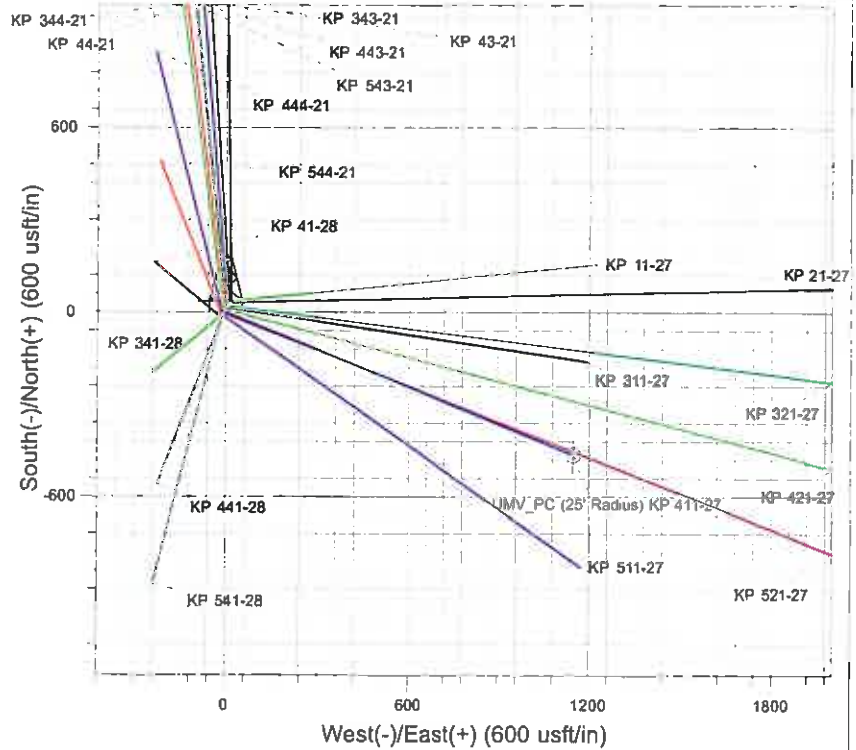
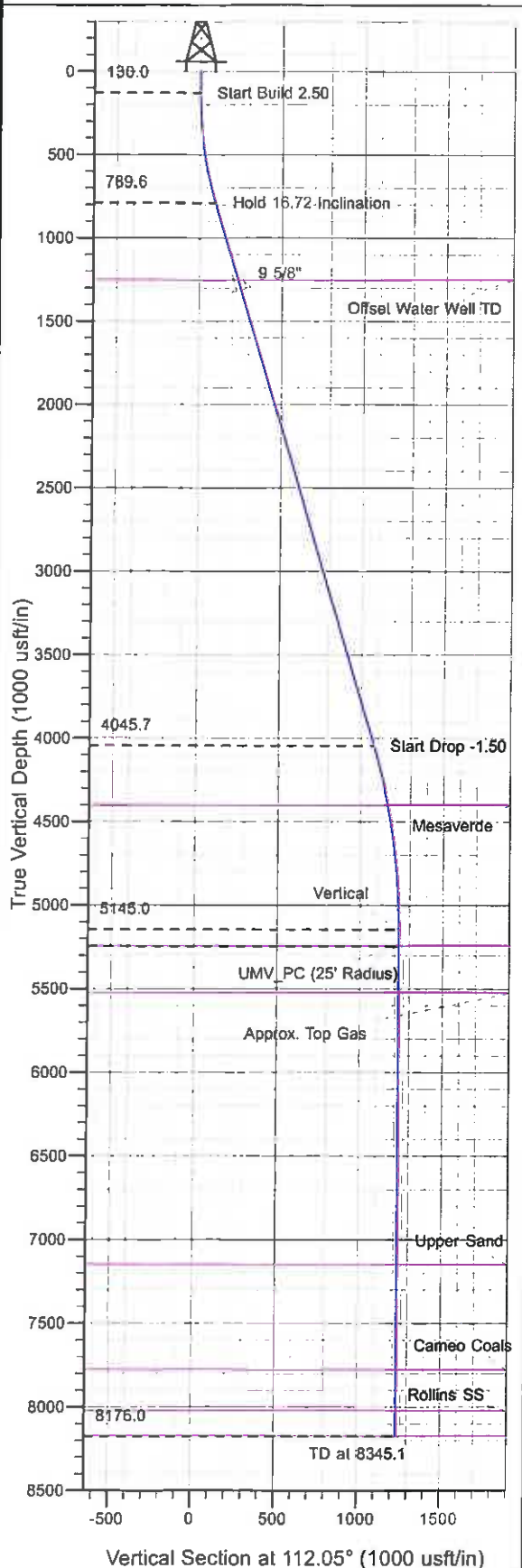




Well Name: KP 411-27
 Surface Location: KP 41-28 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 7056.0

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Spot |
|-------|-------|------------|------------|------------------|------------------|------|
| 0.0 | 0.0 | 1615590.50 | 2421189.50 | 39° 30' 20.271 N | 107° 33' 5.459 W | A5 |

KELLY BUSHING @ 7079.0usft (Cyclone 30 (23' RKB) kjs)



Project: Sec 28-T6S-R91W
 Site: KP 41-28 Pad
 Well: KP 411-27
 Design #1 31Jan11 kjs



Azimuths to True North
 Magnetic North: 10.20°
 Magnetic Field
 Strength: 52342.0nT
 Dip Angle: 65.84°
 Date: 1/31/2011
 Model: IGRF2010

ANNOTATIONS

| TVD | MD | Inc | Azi | +N/-S | +E/-W | VSec | Departure | Annotation |
|--------|--------|-------|--------|--------|--------|--------|-----------|------------------------|
| 130.0 | 130.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | Start Build 2.50 |
| 789.6 | 799.0 | 16.73 | 112.05 | -36.4 | 89.9 | 97.0 | 97.0 | Hold 16.72 Inclination |
| 4045.7 | 4199.0 | 16.73 | 112.05 | -403.8 | 996.8 | 1075.5 | 1075.5 | Start Drop -1.50 |
| 5145.0 | 5314.1 | 0.00 | 0.00 | -464.4 | 1146.6 | 1237.1 | 1237.1 | Vertical |
| 5245.0 | 5414.1 | 0.00 | 0.00 | -464.4 | 1146.6 | 1237.1 | 1237.1 | UMV_PC |
| 8176.0 | 8345.1 | 0.00 | 0.00 | -464.4 | 1146.6 | 1237.1 | 1237.1 | TD at 8345.1 |

KOKOPELLI FIELD

Sec. 28-T6S-R91W

KP 41-28 Pad

KP 411-27 - Slot A5

Wellbore #1

Plan: Design #1 31Jan11 kjs

Standard Planning Report - Geographic

04 April, 2011

Williams
Planning Report - Geographic

| | | | |
|-----------|------------------------|------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well KP 411-27 - Slot A5 |
| Company: | KOKOPELLI FIELD | TVD Reference: | KELLY BUSHING @ 7079.0usft (Cyclone 30 (23' RKB) kjs) |
| Project: | Sec. 28-T6S-R91W | MD Reference: | KELLY BUSHING @ 7079.0usft (Cyclone 30 (23' RKB) kjs) |
| Site: | KP 41-28 Pad | North Reference: | True |
| Well: | KP 411-27 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 31Jan11 kjs | | |

| | | | |
|-------------|---------------------------|---------------|----------------|
| Project | Sec. 28-T6S-R91W | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | |

| | | | | |
|-----------------------|--------------|--------------|-------------------|-----------------------------|
| Site | KP 41-28 Pad | | | |
| Site Position: | | Northing: | 1,615,566.30 usft | Latitude: 39° 30' 20.028 N |
| From: | Map | Easting: | 2,421,171.70 usft | Longitude: 107° 33' 5.679 W |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13.200 in | Grid Convergence: -1.294 ° |

| | | | | |
|----------------------|---------------------|---------------------|-----------|----------------------------|
| Well | KP 411-27 - Slot A5 | | | |
| Well Position | +N/-S | 0.0 usft | Northing: | 1,615,590.50 usft |
| | +E/-W | 0.0 usft | Easting: | 2,421,189.50 usft |
| Position Uncertainty | 0.0 usft | Wellhead Elevation: | | Ground Level: 7,056.0 usft |

| | | | | |
|----------|-------------|--|--|--|
| Wellbore | Wellbore #1 | | | |
|----------|-------------|--|--|--|

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| | IGRF2010 | 1/31/2011 | 10.200 | 65.840 | 52,342 |

| | | | | |
|--------|-----------------------|--|--|--|
| Design | Design #1 31Jan11 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 | 112.05 |

| 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 | |
| 130.0 | 0.00 | 0.00 | 130.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 799.0 | 16.73 | 112.05 | 789.6 | -36.4 | 89.9 | 2.50 | 2.50 | 0.00 | 112.051 | |
| 4,199.0 | 16.73 | 112.05 | 4,045.7 | -403.8 | 996.8 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 5,314.1 | 0.00 | 0.00 | 5,145.0 | -464.4 | 1,146.6 | 1.50 | -1.50 | 0.00 | 180.000 | |
| 5,414.1 | 0.00 | 0.00 | 5,245.0 | -464.4 | 1,146.6 | 0.00 | 0.00 | 0.00 | 0.000 | UMV_PC (25' Radius) |
| 8,345.1 | 0.00 | 0.00 | 8,176.0 | -464.4 | 1,146.6 | 0.00 | 0.00 | 0.00 | 0.000 | |

Williams
Planning Report - Geographic

| | | | |
|-----------|------------------------|------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well KP 411-27 - Slot A5 |
| Company: | KOKOPELLI FIELD | TVD Reference: | KELLY BUSHING @ 7079.0usft (Cyclone 30 (23' RKB) kjs) |
| Project: | Sec. 28-T6S-R91W | MD Reference: | KELLY BUSHING @ 7079.0usft (Cyclone 30 (23' RKB) kjs) |
| Site: | KP 41-28 Pad | North Reference: | True |
| Well: | KP 411-27 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 31Jan11 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 | 1,615,590.50 | 2,421,189.50 | 39° 30' 20.271 N | 107° 33' 5.459 W |
| 130.0 | 0.00 | 0.00 | 130.0 | 0.0 | 0.0 | 1,615,590.50 | 2,421,189.50 | 39° 30' 20.271 N | 107° 33' 5.459 W |
| Start Build 2.50 | | | | | | | | | |
| 799.0 | 16.73 | 112.05 | 789.6 | -36.4 | 89.9 | 1,615,552.07 | 2,421,278.53 | 39° 30' 19.911 N | 107° 33' 4.313 W |
| Hold 16.72 Inclination | | | | | | | | | |
| 1,280.8 | 16.73 | 112.05 | 1,251.0 | -88.5 | 218.4 | 1,615,497.13 | 2,421,405.84 | 39° 30' 19.397 N | 107° 33' 2.673 W |
| Offset Water Well TD | | | | | | | | | |
| 1,343.5 | 16.73 | 112.05 | 1,311.0 | -95.2 | 235.1 | 1,615,489.98 | 2,421,422.40 | 39° 30' 19.330 N | 107° 33' 2.460 W |
| 9 5/8" | | | | | | | | | |
| 4,199.0 | 16.73 | 112.05 | 4,045.7 | -403.8 | 996.8 | 1,615,164.33 | 2,422,176.93 | 39° 30' 16.280 N | 107° 32' 52.742 W |
| Start Drop -1.50 | | | | | | | | | |
| 4,567.3 | 11.20 | 112.05 | 4,403.0 | -437.1 | 1,079.1 | 1,615,129.13 | 2,422,258.50 | 39° 30' 15.951 N | 107° 32' 51.691 W |
| Mesaverde | | | | | | | | | |
| 5,314.1 | 0.00 | 0.00 | 5,145.0 | -464.4 | 1,146.6 | 1,615,100.30 | 2,422,325.30 | 39° 30' 15.681 N | 107° 32' 50.831 W |
| Vertical | | | | | | | | | |
| 5,414.1 | 0.00 | 0.00 | 5,245.0 | -464.4 | 1,146.6 | 1,615,100.30 | 2,422,325.30 | 39° 30' 15.681 N | 107° 32' 50.831 W |
| UMV_PC - UMV_PC | | | | | | | | | |
| 5,695.1 | 0.00 | 0.00 | 5,526.0 | -464.4 | 1,146.6 | 1,615,100.30 | 2,422,325.30 | 39° 30' 15.681 N | 107° 32' 50.831 W |
| Approx. Top Gas | | | | | | | | | |
| 7,321.1 | 0.00 | 0.00 | 7,152.0 | -464.4 | 1,146.6 | 1,615,100.30 | 2,422,325.30 | 39° 30' 15.681 N | 107° 32' 50.831 W |
| Upper Sand | | | | | | | | | |
| 7,949.1 | 0.00 | 0.00 | 7,780.0 | -464.4 | 1,146.6 | 1,615,100.30 | 2,422,325.30 | 39° 30' 15.681 N | 107° 32' 50.831 W |
| Cameo Coals | | | | | | | | | |
| 8,195.1 | 0.00 | 0.00 | 8,026.0 | -464.4 | 1,146.6 | 1,615,100.30 | 2,422,325.30 | 39° 30' 15.681 N | 107° 32' 50.831 W |
| Rollins SS | | | | | | | | | |
| 8,345.1 | 0.00 | 0.00 | 8,176.0 | -464.4 | 1,146.6 | 1,615,100.30 | 2,422,325.30 | 39° 30' 15.681 N | 107° 32' 50.831 W |
| TD at 8345.1 - TD | | | | | | | | | |

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 | | | | | | | | | |
| UMV_PC (25' Radius) K | 0.00 | 0.00 | 5,245.0 | -464.4 | 1,146.6 | 1,615,100.30 | 2,422,325.30 | 39° 30' 15.681 N | 107° 32' 50.831 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 25.0) | | | | | | | | | |

Casing Points

| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (in) | Hole Diameter (in) |
|-----------------------|-----------------------|--------|----------------------|--------------------|
| 1,343.5 | 1,311.0 | 9 5/8" | 9.625 | 12.250 |

Williams
Planning Report - Geographic

| | | | |
|-----------|------------------------|------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well KP 411-27 - Slot A5 |
| Company: | KOKOPELLI FIELD | TVD Reference: | KELLY BUSHING @ 7079.0usft (Cyclone 30 (23' RKB) kjs) |
| Project: | Sec. 28-T6S-R91W | MD Reference: | KELLY BUSHING @ 7079.0usft (Cyclone 30 (23' RKB) kjs) |
| Site: | KP 41-28 Pad | North Reference: | True |
| Well: | KP 411-27 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 31Jan11 kjs | | |

| Formations | | | | | | |
|-----------------------|-----------------------|----------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (") | Dip Direction (") | |
| 1,280.8 | 1,251.0 | Offset Water Well TD | | | | |
| 4,567.3 | 4,403.0 | Mesaverde | | | | |
| 5,414.1 | 5,245.0 | UMV_PC | | | | |
| 5,695.1 | 5,526.0 | Approx. Top Gas | | | | |
| 7,321.1 | 7,152.0 | Upper Sand | | | | |
| 7,949.1 | 7,780.0 | Cameo Coals | | | | |
| 8,195.1 | 8,026.0 | Rollins SS | | | | |
| 8,345.1 | 8,176.0 | TD | | | | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 130.0 | 130.0 | 0.0 | 0.0 | Start Build 2.50 | |
| 799.0 | 789.6 | -36.4 | 89.9 | Hold 16.72 Inclination | |
| 4,199.0 | 4,045.7 | -403.8 | 996.8 | Start Drop -1.50 | |
| 5,314.1 | 5,145.0 | -464.4 | 1,146.6 | Vertical | |
| 5,414.1 | 5,245.0 | -464.4 | 1,146.6 | UMV_PC | |
| 8,345.1 | 8,176.0 | -464.4 | 1,146.6 | TD at 8345.1 | |