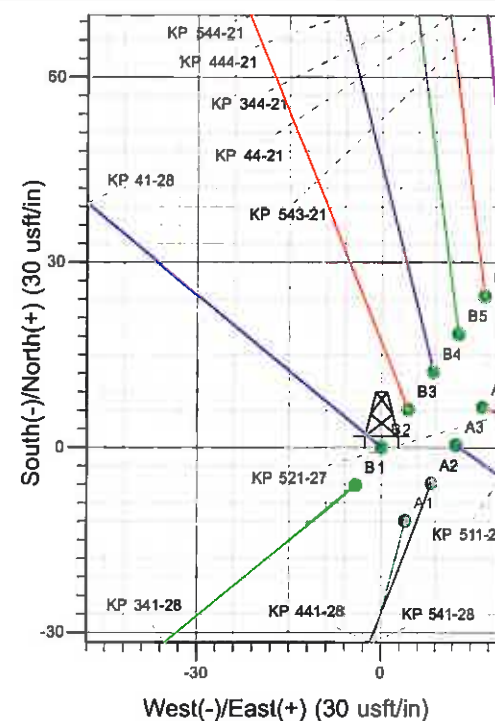
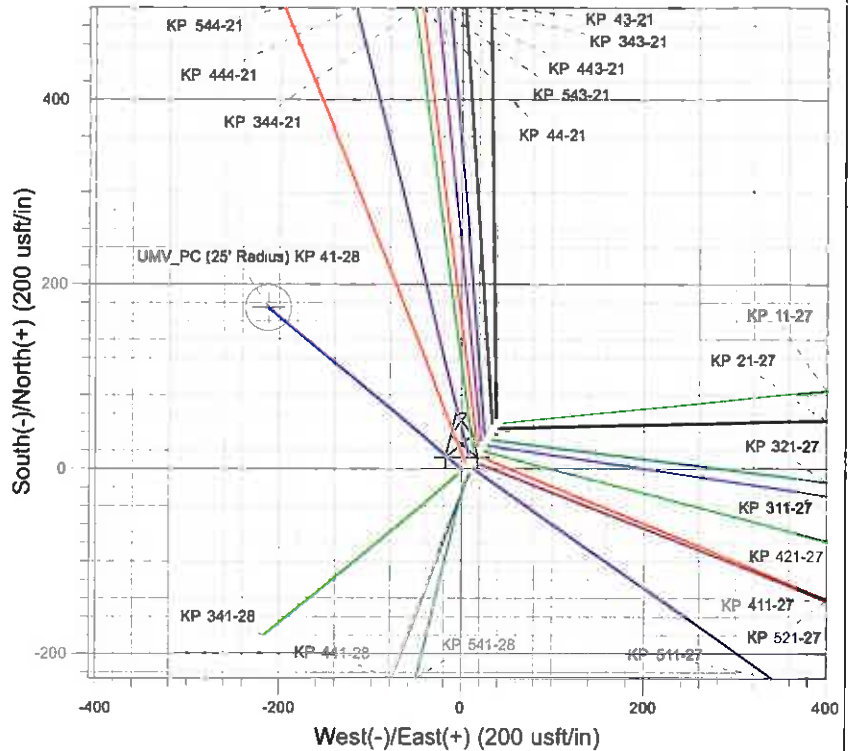
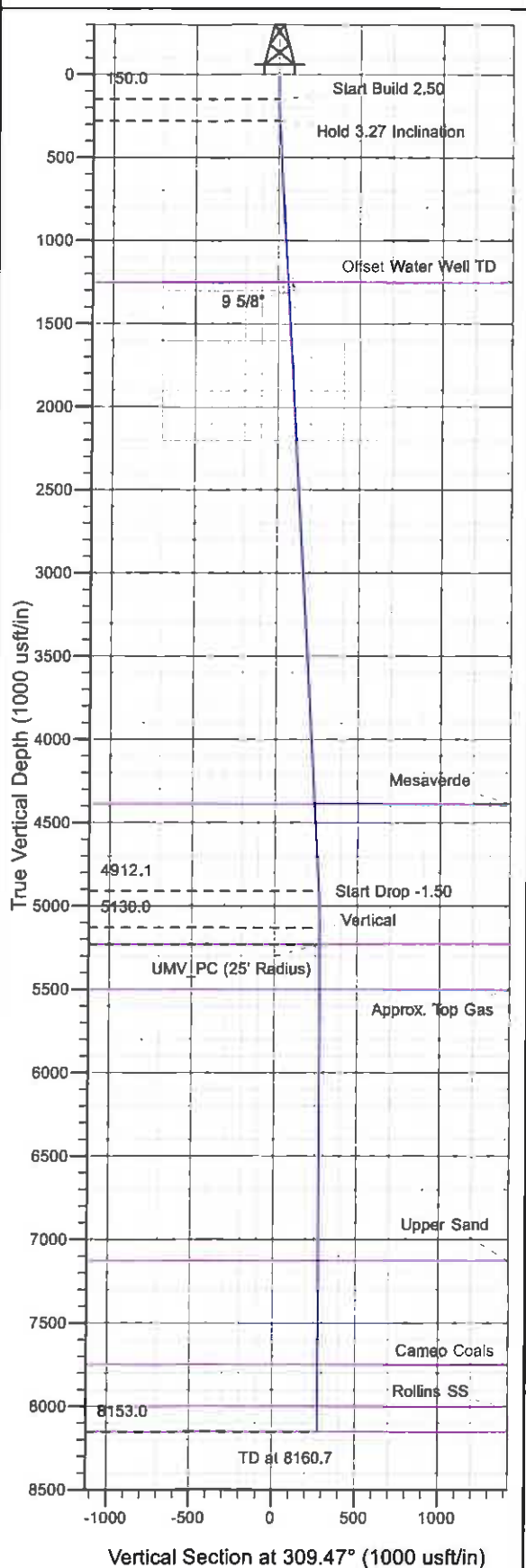




Well Name: KP 41-28  
 Surface Location: KP 41-28 Pad  
 North American Datum 1983, US State Plane 1983, Colorado Central Zone  
 Ground Elevation: 7056.0  
 +N/-S +E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1615578.30 2421168.10 39° 30' 20.146 N 107° 33' 5.729 W B2  
 KELLY BUSHING @ 7079.0usft (Cyclone 30 (23' RKB) kjs)



Project: Sec. 28-T6S-R91W  
 Site: KP 41-28 Pad  
 Well: KP 41-28  
 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            |
|--------|--------|------|--------|-------|--------|-------|-----------|-----------------------|
| 150.0  | 150.0  | 0.00 | 0.00   | 0.0   | 0.0    | 0.0   | 0.0       | Start Build 2.50      |
| 280.8  | 280.8  | 3.27 | 309.47 | 2.4   | -2.9   | 3.7   | 3.7       | Hold 3.27 Inclination |
| 4912.1 | 4919.7 | 3.27 | 309.47 | 170.6 | -207.2 | 268.4 | 268.4     | Start Drop -1.50      |
| 5130.0 | 5137.7 | 0.00 | 0.00   | 174.6 | -212.0 | 274.6 | 274.6     | Vertical              |
| 5230.0 | 5237.7 | 0.00 | 0.00   | 174.6 | -212.0 | 274.6 | 274.6     | UMV_PC                |
| 8153.0 | 8160.7 | 0.00 | 0.00   | 174.6 | -212.0 | 274.6 | 274.6     | TD at 8160.7          |

# **KOKOPELLI FIELD**

**Sec. 28-T6S-R91W**

**KP 41-28 Pad**

**KP 41-28 - Slot B2**

**Wellbore #1**

**Plan: Design #1 31Jan11 kjs**

## **Standard Planning Report - Geographic**

**01 April, 2011**

**Williams**  
Planning Report - Geographic

|           |                        |                              |   |
|-----------|------------------------|------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well KP 41-28 - Slot B2                               |
| 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 41-28               | 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 41-28 - Slot B2 |          |                     |                   |               |                  |
| Well Position        | +N/-S              | 0.0 usft | Northing:           | 1,615,578.30 usft | Latitude:     | 39° 30' 20.146 N |
|                      | +E/-W              | 0.0 usft | Easting:            | 2,421,168.10 usft | Longitude:    | 107° 33' 5.729 W |
| 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           | 309.47        |

| 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   |                     |
| 150.0                 | 0.00            | 0.00        | 150.0                 | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.000   |                     |
| 280.8                 | 3.27            | 309.47      | 280.8                 | 2.4          | -2.9         | 2.50                    | 2.50                   | 0.00                  | 309.468 |                     |
| 4,919.7               | 3.27            | 309.47      | 4,912.1               | 170.6        | -207.2       | 0.00                    | 0.00                   | 0.00                  | 0.000   |                     |
| 5,137.7               | 0.00            | 0.00        | 5,130.0               | 174.6        | -212.0       | 1.50                    | -1.50                  | 0.00                  | 180.000 |                     |
| 5,237.7               | 0.00            | 0.00        | 5,230.0               | 174.6        | -212.0       | 0.00                    | 0.00                   | 0.00                  | 0.000   | UMV_PC (25' Radius) |
| 8,160.7               | 0.00            | 0.00        | 8,153.0               | 174.6        | -212.0       | 0.00                    | 0.00                   | 0.00                  | 0.000   |                     |

**Williams**  
Planning Report - Geographic

|           |                        |                              |   |
|-----------|------------------------|------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well KP 41-28 - Slot B2                               |
| Company:  | KOKEPELLI 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 41-28               | 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          | 1,615,578.30        | 2,421,168.10       | 39° 30' 20.146 N | 107° 33' 5.729 W |
| 150.0                 | 0.00            | 0.00        | 150.0                 | 0.0          | 0.0          | 1,615,578.30        | 2,421,168.10       | 39° 30' 20.146 N | 107° 33' 5.729 W |
| Start Build 2.50      |                 |             |                       |              |              |                     |                    |                  |                  |
| 280.8                 | 3.27            | 309.47      | 280.8                 | 2.4          | -2.9         | 1,615,580.73        | 2,421,165.28       | 39° 30' 20.169 N | 107° 33' 5.766 W |
| Hold 3.27 Inclination |                 |             |                       |              |              |                     |                    |                  |                  |
| 1,252.7               | 3.27            | 309.47      | 1,251.0               | 37.6         | -45.7        | 1,615,616.93        | 2,421,123.28       | 39° 30' 20.518 N | 107° 33' 6.312 W |
| Offset Water Well TD  |                 |             |                       |              |              |                     |                    |                  |                  |
| 1,313.0               | 3.27            | 309.47      | 1,311.2               | 39.8         | -48.3        | 1,615,618.18        | 2,421,120.67       | 39° 30' 20.539 N | 107° 33' 6.346 W |
| 9 5/8"                |                 |             |                       |              |              |                     |                    |                  |                  |
| 4,395.8               | 3.27            | 309.47      | 4,389.0               | 151.6        | -184.1       | 1,615,734.02        | 2,420,987.46       | 39° 30' 21.644 N | 107° 33' 8.078 W |
| Mesaverde             |                 |             |                       |              |              |                     |                    |                  |                  |
| 4,919.7               | 3.27            | 309.47      | 4,912.1               | 170.6        | -207.2       | 1,615,753.53        | 2,420,964.82       | 39° 30' 21.832 N | 107° 33' 8.372 W |
| Start Drop -1.50      |                 |             |                       |              |              |                     |                    |                  |                  |
| 5,137.7               | 0.00            | 0.00        | 5,130.0               | 174.6        | -212.0       | 1,615,757.60        | 2,420,960.10       | 39° 30' 21.871 N | 107° 33' 8.434 W |
| Vertical              |                 |             |                       |              |              |                     |                    |                  |                  |
| 5,237.7               | 0.00            | 0.00        | 5,230.0               | 174.6        | -212.0       | 1,615,757.60        | 2,420,960.10       | 39° 30' 21.871 N | 107° 33' 8.434 W |
| UMV_PC - UMW_PC       |                 |             |                       |              |              |                     |                    |                  |                  |
| 5,510.7               | 0.00            | 0.00        | 5,503.0               | 174.6        | -212.0       | 1,615,757.60        | 2,420,960.10       | 39° 30' 21.871 N | 107° 33' 8.434 W |
| Approx. Top Gas       |                 |             |                       |              |              |                     |                    |                  |                  |
| 7,137.7               | 0.00            | 0.00        | 7,130.0               | 174.6        | -212.0       | 1,615,757.60        | 2,420,960.10       | 39° 30' 21.871 N | 107° 33' 8.434 W |
| Upper Sand            |                 |             |                       |              |              |                     |                    |                  |                  |
| 7,761.7               | 0.00            | 0.00        | 7,754.0               | 174.6        | -212.0       | 1,615,757.60        | 2,420,960.10       | 39° 30' 21.871 N | 107° 33' 8.434 W |
| Cameo Coals           |                 |             |                       |              |              |                     |                    |                  |                  |
| 8,010.7               | 0.00            | 0.00        | 8,003.0               | 174.6        | -212.0       | 1,615,757.60        | 2,420,960.10       | 39° 30' 21.871 N | 107° 33' 8.434 W |
| Rollins SS            |                 |             |                       |              |              |                     |                    |                  |                  |
| 8,160.7               | 0.00            | 0.00        | 8,153.0               | 174.6        | -212.0       | 1,615,757.60        | 2,420,960.10       | 39° 30' 21.871 N | 107° 33' 8.434 W |
| TD at 8160.7 - 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         | 5,230.0    | 174.6        | -212.0       | 1,615,757.60    | 2,420,960.10   | 39° 30' 21.871 N | 107° 33' 8.434 W |
| - plan hits target center |               |              |            |              |              |                 |                |                  |                  |
| - Circle (radius 25.0)    |               |              |            |              |              |                 |                |                  |                  |

| Casing Points         |                       |        |                      |                    |  |
|-----------------------|-----------------------|--------|----------------------|--------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name   | Casing Diameter (in) | Hole Diameter (in) |  |
| 1,313.0               | 1,311.2               | 9 5/8" | 9.625                | 12.250             |  |

**Williams**  
Planning Report - Geographic

|           |                        |                              |   |
|-----------|------------------------|------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well KP 41-28 - Slot B2                               |
| 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 41-28               | 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 (") |  |
| 1,252.7               | 1,251.0               | Offset Water Well TD |           |         |                   |  |
| 4,395.8               | 4,389.0               | Mesaverde            |           |         |                   |  |
| 5,237.7               | 5,230.0               | UMV_PC               |           |         |                   |  |
| 5,510.7               | 5,503.0               | Approx. Top Gas      |           |         |                   |  |
| 7,137.7               | 7,130.0               | Upper Sand           |           |         |                   |  |
| 7,761.7               | 7,754.0               | Cameo Coals          |           |         |                   |  |
| 8,010.7               | 8,003.0               | Rollins SS           |           |         |                   |  |
| 8,160.7               | 8,153.0               | TD                   |           |         |                   |  |

| Plan Annotations      |                       |                   |              |                       |  |
|-----------------------|-----------------------|-------------------|--------------|-----------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                       |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment               |  |
| 150.0                 | 150.0                 | 0.0               | 0.0          | Start Build 2.50      |  |
| 280.8                 | 280.8                 | 2.4               | -2.9         | Hold 3.27 Inclination |  |
| 4,919.7               | 4,912.1               | 170.6             | -207.2       | Start Drop -1.50      |  |
| 5,137.7               | 5,130.0               | 174.6             | -212.0       | Vertical              |  |
| 5,237.7               | 5,230.0               | 174.6             | -212.0       | UMV_PC                |  |
| 8,160.7               | 8,153.0               | 174.6             | -212.0       | TD at 8160.7          |  |