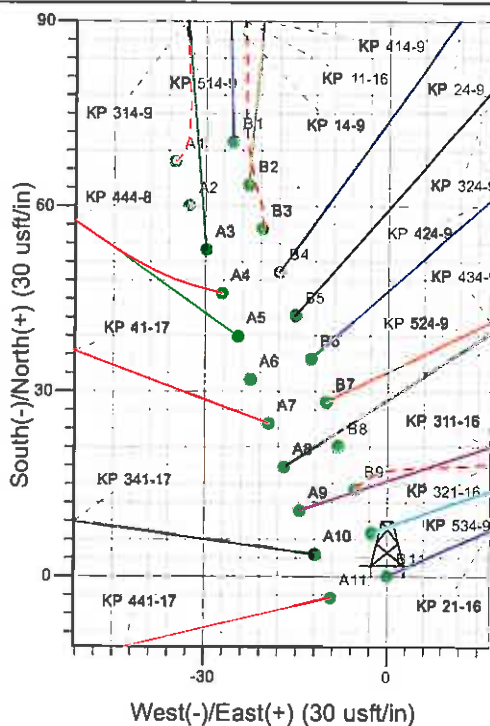
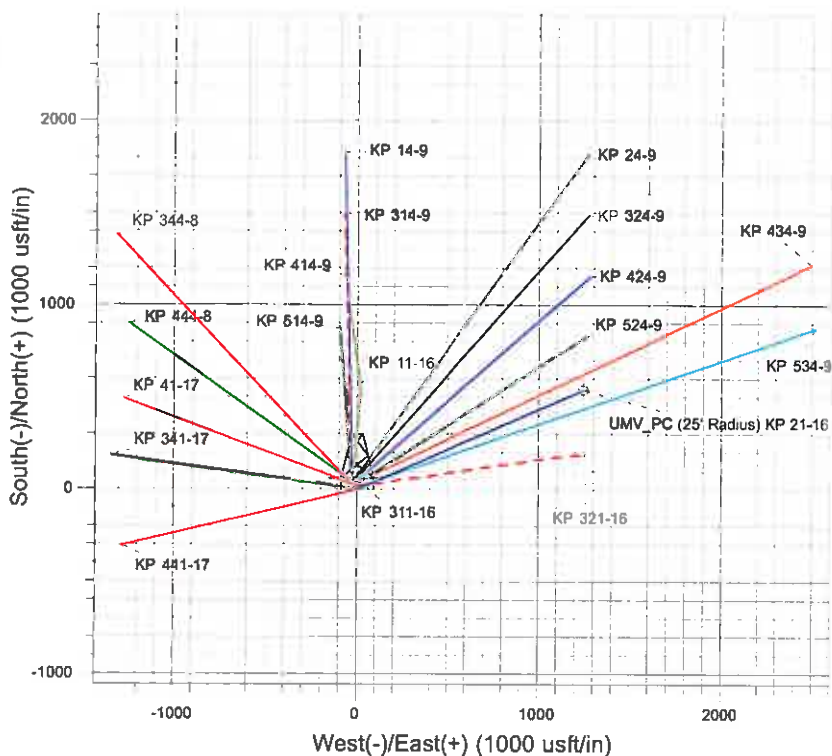
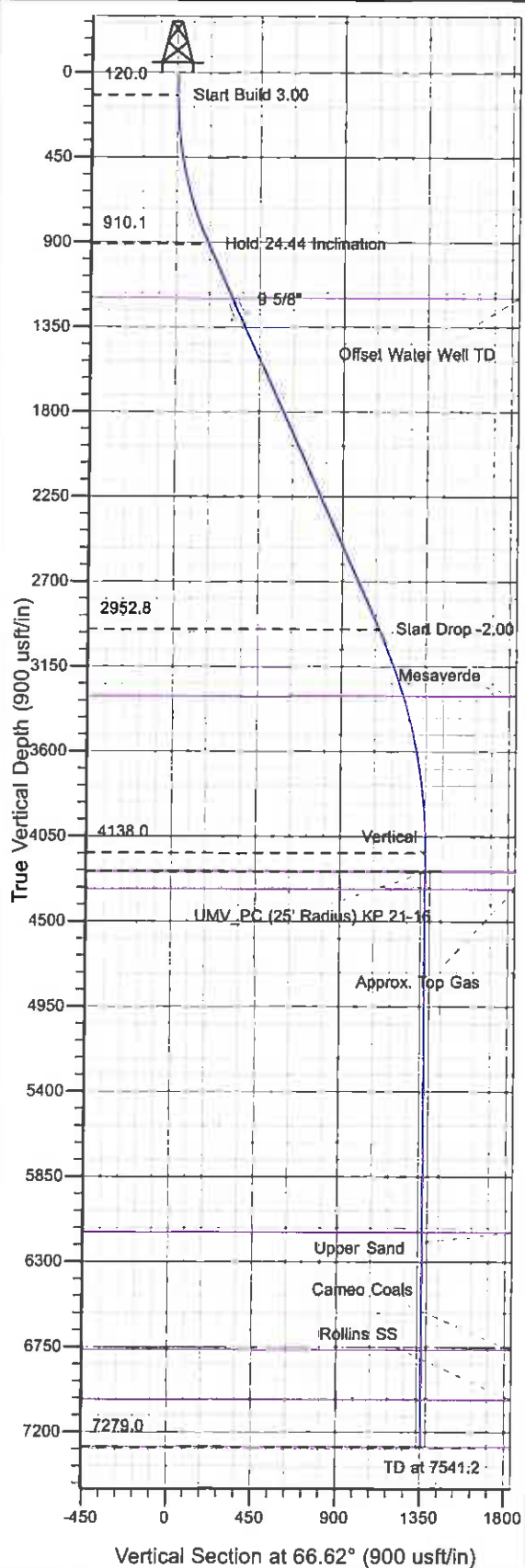




Well Name: KP 21-16
 Surface Location: KP 11-16 Pad
 North American Datum 1983 US State Plane 1983 Colorado Central Zone
 Ground Elevation: 6632.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1625761.40 2417125.10 39° 31' 59.859 N 107° 34' 0.254 W B11
 KELLY BUSHING @ 6654.0usft (Cyclone 17 (22' RKB) kjs)



Project: Sec. 16-T6S-R91W
 Site: KP 11-16 Pad
 Well: KP 21-16
 Plan #3 12Aug11 kjs



Azimuths to True North
 Magnetic North: 10.13°
 Magnetic Field
 Strength: 52296.0snT
 Dip Angle: 65.84°
 Date: 9/13/2011
 Model: IGRF2010

ANNOTATIONS

| 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 3.00 |
| 910.1 | 934.6 | 24.44 | 66.82 | 67.9 | 157.1 | 171.1 | 171.1 | Hold 24.44 Inclination |
| 2952.8 | 3178.3 | 24.44 | 66.62 | 436.2 | 1009.1 | 1099.3 | 1099.3 | Start Drop -2.00 |
| 4138.0 | 4400.2 | 0.00 | 0.00 | 538.1 | 1244.7 | 1356.0 | 1356.0 | Vertical |
| 4238.0 | 4500.2 | 0.00 | 0.00 | 538.1 | 1244.7 | 1356.0 | 1356.0 | UMV_PC |
| 7279.0 | 7541.2 | 0.00 | 0.00 | 538.1 | 1244.7 | 1356.0 | 1356.0 | TD at 7541.2 |

KOKOPELLI FIELD

Sec. 16-T6S-R91W

KP 11-16 Pad

KP 21-16 - Slot B11

Wellbore #1

Plan: Plan #3 12Aug11 kjs

Standard Planning Report - Geographic

13 October, 2011

Williams
Planning Report - Geographic

| | | | |
|-----------|---------------------|------------------------------|---|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well KP 21-16 - Slot B11 |
| Company: | KOKOPELLI FIELD | TVD Reference: | KELLY BUSHING @ 6654.0usft (Cyclone 17 (22' RKB) kjs) |
| Project: | Sec. 16-T6S-R91W | MD Reference: | KELLY BUSHING @ 6654.0usft (Cyclone 17 (22' RKB) kjs) |
| Site: | KP 11-16 Pad | North Reference: | True |
| Well: | KP 21-16 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #3 12Aug11 kjs | | |

| | | | |
|-------------|---------------------------------------|---------------|----------------|
| Project | Sec. 16-T6S-R91W, Garfield County, CO | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | |

| | | | | | | | |
|-----------------------|-----|--------------|--------------|-------------------|------------|-------------------|---------|
| Site | | KP 11-16 Pad | | | | | |
| Site Position: | | Northing: | | 1,625,762.90 usft | Latitude: | 39° 31' 59.871 N | |
| From: | Map | Easting: | | 2,417,113.40 usft | Longitude: | 107° 34' 0.404 W | |
| Position Uncertainty: | | 0.0 usft | Slot Radius: | | 0 " | Grid Convergence: | -1.30 " |

| | | | | | | |
|----------------------|---------------------|----------|---------------------|-------------------|---------------|------------------|
| Well | KP 21-16 - Slot B11 | | | | | |
| Well Position | +N/-S | 0.0 usft | Northing: | 1,625,761.40 usft | Latitude: | 39° 31' 59.859 N |
| | +E/-W | 0.0 usft | Easting: | 2,417,125.10 usft | Longitude: | 107° 34' 0.254 W |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | | Ground Level: | 6,632.0 usft |

| | | | | | |
|-----------|-------------|-------------|-----------------|---------------|---------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 9/13/2011 | 10.13 | 65.84 | 52,296 |

| | | | | |
|-------------------|-------------------------|--------------|---------------|---------------|
| Design | Plan #3 12Aug11 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 | 66.62 |

| 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 | 0.00 | |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 934.6 | 24.44 | 66.62 | 910.1 | 67.9 | 157.1 | 3.00 | 3.00 | 0.00 | 66.62 | |
| 3,178.3 | 24.44 | 66.62 | 2,952.8 | 436.2 | 1,009.1 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,400.2 | 0.00 | 0.00 | 4,138.0 | 538.1 | 1,244.7 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 4,500.2 | 0.00 | 0.00 | 4,238.0 | 538.1 | 1,244.7 | 0.00 | 0.00 | 0.00 | 0.00 | UMV_PC (25' Radius) |
| 7,541.2 | 0.00 | 0.00 | 7,279.0 | 538.1 | 1,244.7 | 0.00 | 0.00 | 0.00 | 0.00 | |

Williams
Planning Report - Geographic

| | | | |
|------------------|---------------------|-------------------------------------|---|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well KP 21-16 - Slot B11 |
| Company: | KOKOPELLI FIELD | TVD Reference: | KELLY BUSHING @ 6854.0usft (Cyclone 17 (22' RKB) kjs) |
| Project: | Sec. 16-T6S-R81W | MD Reference: | KELLY BUSHING @ 6654.0usft (Cyclone 17 (22' RKB) kjs) |
| Site: | KP 11-16 Pad | North Reference: | True |
| Well: | KP 21-16 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #3 12Aug11 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 | 1,625,761.40 | 2,417,125.10 | 39° 31' 59.859 N | 107° 34' 0.254 W |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 1,625,761.40 | 2,417,125.10 | 39° 31' 59.859 N | 107° 34' 0.254 W |
| Start Build 3.00 | | | | | | | | | |
| 934.6 | 24.44 | 66.62 | 910.1 | 67.9 | 157.1 | 1,625,825.70 | 2,417,283.67 | 39° 32' 0.530 N | 107° 33' 58.249 W |
| Hold 24.44 Inclination | | | | | | | | | |
| 1,248.6 | 24.44 | 66.62 | 1,196.0 | 119.4 | 276.3 | 1,625,874.52 | 2,417,404.05 | 39° 32' 1.040 N | 107° 33' 56.727 W |
| Offset Water Well TD | | | | | | | | | |
| 1,358.4 | 24.44 | 66.62 | 1,296.0 | 137.5 | 318.0 | 1,625,891.60 | 2,417,446.16 | 39° 32' 1.218 N | 107° 33' 56.195 W |
| 9 5/8" | | | | | | | | | |
| 3,178.3 | 24.44 | 66.62 | 2,952.8 | 436.2 | 1,009.1 | 1,626,174.54 | 2,418,143.86 | 39° 32' 4.170 N | 107° 33' 47.374 W |
| Start Drop -2.00 | | | | | | | | | |
| 3,557.1 | 16.86 | 66.62 | 3,307.0 | 489.2 | 1,131.6 | 1,626,224.71 | 2,418,267.56 | 39° 32' 4.694 N | 107° 33' 45.810 W |
| Mesaverde | | | | | | | | | |
| 4,400.2 | 0.00 | 0.00 | 4,138.0 | 538.1 | 1,244.7 | 1,626,271.00 | 2,418,381.70 | 39° 32' 5.177 N | 107° 33' 44.367 W |
| Vertical | | | | | | | | | |
| 4,500.2 | 0.00 | 0.00 | 4,238.0 | 538.1 | 1,244.7 | 1,626,271.00 | 2,418,381.70 | 39° 32' 5.177 N | 107° 33' 44.367 W |
| UMV_PC - UMV_PC - UMV_PC (25' Radius) KP 21-16 | | | | | | | | | |
| 4,591.2 | 0.00 | 0.00 | 4,329.0 | 538.1 | 1,244.7 | 1,626,271.00 | 2,418,381.70 | 39° 32' 5.177 N | 107° 33' 44.367 W |
| Approx. Top Gas | | | | | | | | | |
| 6,406.2 | 0.00 | 0.00 | 6,144.0 | 538.1 | 1,244.7 | 1,626,271.00 | 2,418,381.70 | 39° 32' 5.177 N | 107° 33' 44.367 W |
| Upper Sand | | | | | | | | | |
| 7,028.2 | 0.00 | 0.00 | 6,766.0 | 538.1 | 1,244.7 | 1,626,271.00 | 2,418,381.70 | 39° 32' 5.177 N | 107° 33' 44.367 W |
| Cameo Coals | | | | | | | | | |
| 7,291.2 | 0.00 | 0.00 | 7,029.0 | 538.1 | 1,244.7 | 1,626,271.00 | 2,418,381.70 | 39° 32' 5.177 N | 107° 33' 44.367 W |
| Rollins SS | | | | | | | | | |
| 7,541.2 | 0.00 | 0.00 | 7,279.0 | 538.1 | 1,244.7 | 1,626,271.00 | 2,418,381.70 | 39° 32' 5.177 N | 107° 33' 44.367 W |
| TD at 7541.2 - 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 | 4,238.0 | 538.1 | 1,244.7 | 1,626,271.00 | 2,418,381.70 | 39° 32' 5.177 N | 107° 33' 44.367 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 25.0) | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,358.4 | 1,296.0 | 9 5/8" | 9-5/8 | 12-1/4 | |

Williams
Planning Report - Geographic

| | | | |
|------------------|---------------------|-------------------------------------|---|
| Database: | COMPASS-PICEANCE | Local Co-ordinate Reference: | Well KP 21-16 - Slot B11 |
| Company: | KOKOPELLI FIELD | TVD Reference: | KELLY BUSHING @ 6654.0usft (Cyclone 17 (22' RKB) kjs) |
| Project: | Sec. 16-T6S-R91W | MD Reference: | KELLY BUSHING @ 6654.0usft (Cyclone 17 (22' RKB) kjs) |
| Site: | KP 11-16 Pad | North Reference: | True |
| Well: | KP 21-16 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #3 12Aug11 kjs | | |

| Formations | | | | | | |
|-----------------------|-----------------------|----------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 1,248.6 | 1,196.0 | Offset Water Well TD | | | | |
| 3,557.1 | 3,307.0 | Mesaverde | | | | |
| 4,500.2 | 4,238.0 | UMV_PC | | | | |
| 4,591.2 | 4,329.0 | Approx. Top Gas | | | | |
| 6,406.2 | 6,144.0 | Upper Sand | | | | |
| 7,028.2 | 6,766.0 | Cameo Coals | | | | |
| 7,291.2 | 7,029.0 | Rollins SS | | | | |
| 7,541.2 | 7,279.0 | 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 3.00 |
| 934.6 | 910.1 | 67.9 | 157.1 | Hold 24.44 Inclination |
| 3,178.3 | 2,952.8 | 436.2 | 1,009.1 | Start Drop -2.00 |
| 4,400.2 | 4,138.0 | 538.1 | 1,244.7 | Vertical |
| 4,500.2 | 4,238.0 | 538.1 | 1,244.7 | UMV_PC |
| 7,541.2 | 7,279.0 | 538.1 | 1,244.7 | TD at 7541.2 |