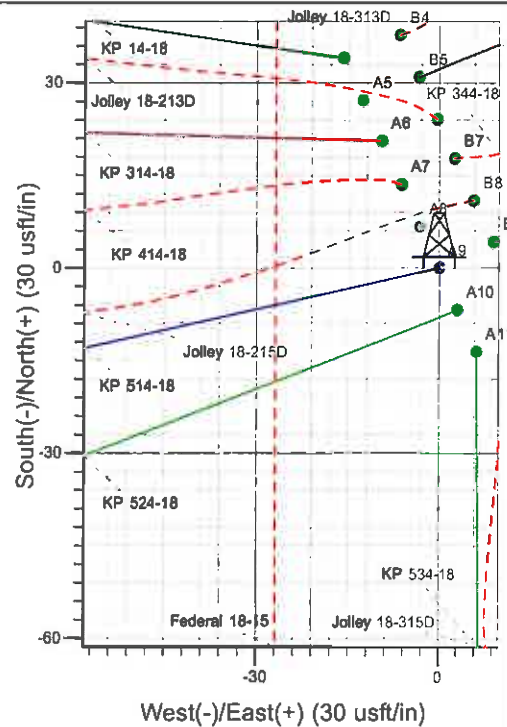
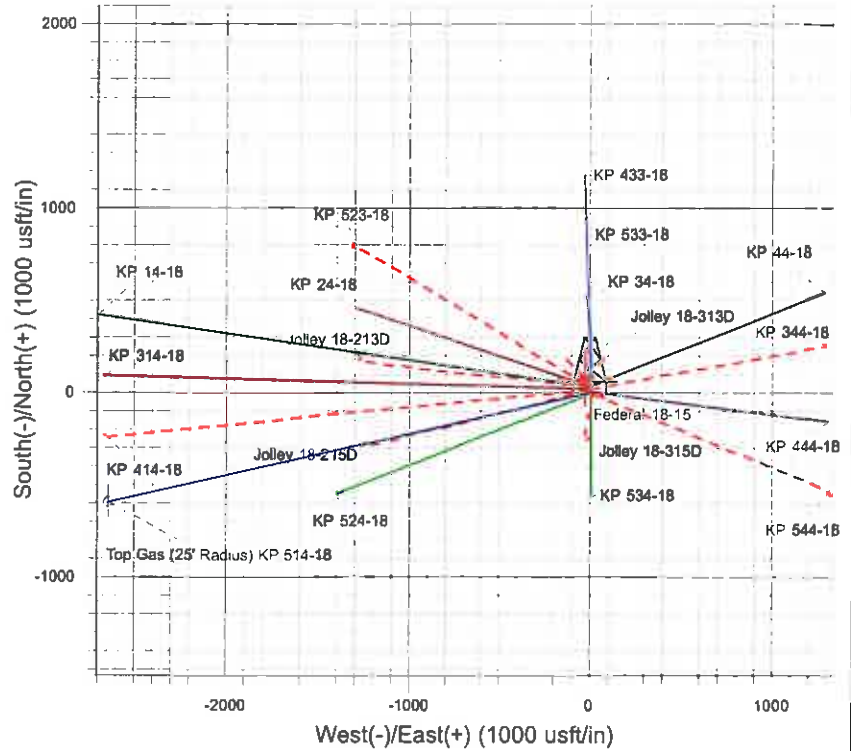
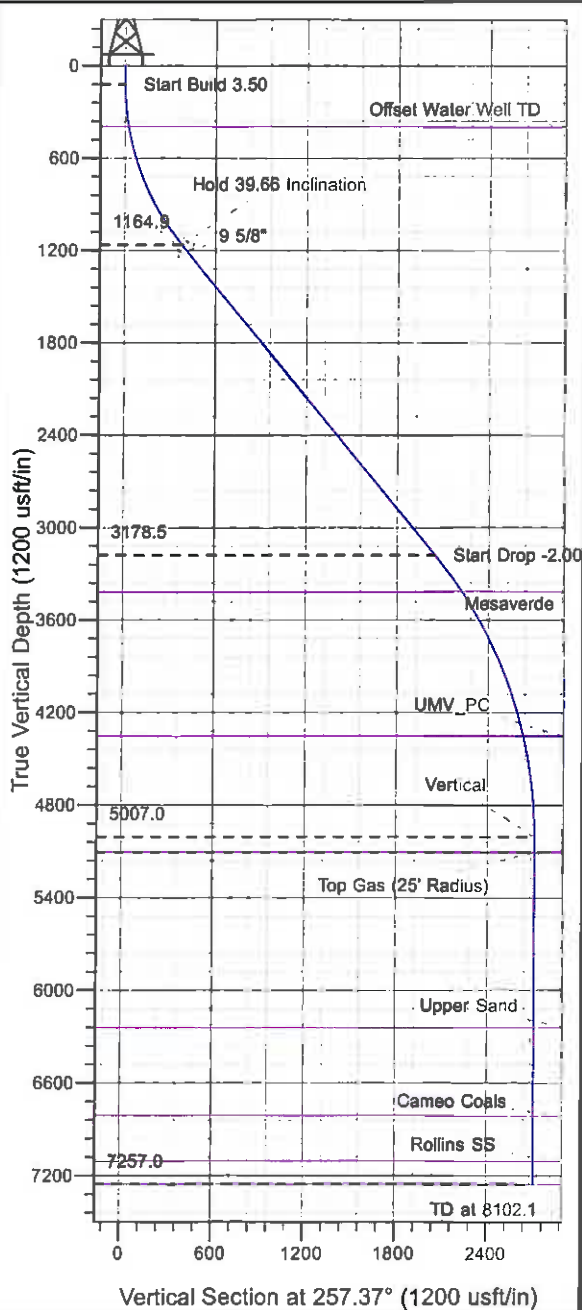




Well Name: KP 514-18
 Surface Location: KP 34-18 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 5918.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1621896.80 2409150.90 39° 31' 19.869 N 107° 35' 40.870 W A9
 KELLY BUSHING @ 5941.0usft (Cyclone 30 (23' RKB) kjs)



Project: Sec 18-T6S-R91W
 Site: KP 34-18 Pad
 Well: KP 514-18
 Design #1 04Dec09 kjs



Azimuths to True North
 Magnetic North: 10.35°
 Magnetic Field
 Strength: 52499.1nT
 Dip Angle: 65.89°
 Date: 12/4/2009
 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 |
| 1164.9 | 1253.2 | 39.66 | 257.37 | -82.4 | -367.7 | 376.8 | 376.8 | Hold 39.66 Inclination |
| 3178.5 | 3869.0 | 39.66 | 257.37 | -447.5 | -1996.9 | 2046.4 | 2046.4 | Start Drop -2.00 |
| 5007.0 | 5852.1 | 0.00 | 0.00 | -591.7 | -2640.4 | 2705.8 | 2705.8 | Vertical |
| 5107.0 | 5952.1 | 0.00 | 0.00 | -591.7 | -2640.4 | 2705.8 | 2705.8 | Top Gas |
| 7257.0 | 8102.1 | 0.00 | 0.00 | -591.7 | -2640.4 | 2705.8 | 2705.8 | TD at 8102.1 |

KOKOPELLI FIELD

Sec. 18-T6S-R91W

KP 34-18 Pad

KP 514-18 - Slot A9

Wellbore #1

Plan: Design #1 04Dec09 kjs

Standard Planning Report - Geographic

18 March, 2011

Williams
Planning Report - Geographic

| | | | |
|-----------|------------------------|------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well KP 514-18 - Slot A9 |
| Company: | KOKOPELLI FIELD | TVD Reference: | KELLY BUSHING @ 5941.0usft (Cyclone 30 (23' RKB) kjs) |
| Project: | Sec. 18-T6S-R91W | MD Reference: | KELLY BUSHING @ 5941.0usft (Cyclone 30 (23' RKB) kjs) |
| Site: | KP 34-18 Pad | North Reference: | True |
| Well: | KP 514-18 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 04Dec09 kjs | | |

| | | | |
|-------------|---------------------------------------|---------------|-----------------------------|
| Project | Sec. 18-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 | | Using geodetic scale factor |

| | | | | | |
|-----------------------|--------------|--------------|-------------------|-------------------|-------------------|
| Site | KP 34-18 Pad | | | | |
| Site Position: | | Northing: | 1,621,893.85 usft | Latitude: | 39° 31' 19.842 N |
| From: | Map | Easting: | 2,409,163.01 usft | Longitude: | 107° 35' 40.714 W |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 0 " | Grid Convergence: | -1.32 ° |

| | | | | | | |
|----------------------|---------------------|---------------------|-----------|-------------------|--------------|-------------------|
| Well | KP 514-18 - Slot A9 | | | | | |
| Well Position | +N/-S | 0.0 usft | Northing: | 1,621,896.80 usft | Latitude: | 39° 31' 19.869 N |
| | +E/-W | 0.0 usft | Easting: | 2,409,150.90 usft | Longitude: | 107° 35' 40.870 W |
| Position Uncertainty | 0.0 usft | Wellhead Elevation: | | Ground Level: | 5,918.0 usft | |

| | | | | | |
|-----------|-------------|-------------|-----------------|---------------|---------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2005-10 | 12/4/2009 | 10.35 | 65.89 | 52,499 |

| | | | | |
|-------------------|-------------------------|--------------|---------------|---------------|
| Design | Design #1 04Dec09 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 | 257.37 |

| 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 | |
| 1,253.2 | 39.66 | 257.37 | 1,164.9 | -82.4 | -367.7 | 3.50 | 3.50 | 0.00 | 257.37 | |
| 3,869.0 | 39.66 | 257.37 | 3,178.5 | -447.5 | -1,996.9 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,852.1 | 0.00 | 0.00 | 5,007.0 | -591.7 | -2,640.4 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 5,952.1 | 0.00 | 0.00 | 5,107.0 | -591.7 | -2,640.4 | 0.00 | 0.00 | 0.00 | 0.00 | Top Gas (25' Radius) |
| 8,102.1 | 0.00 | 0.00 | 7,257.0 | -591.7 | -2,640.4 | 0.00 | 0.00 | 0.00 | 0.00 | |

Williams
Planning Report - Geographic

| | | | |
|-----------|------------------------|------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well KP 514-18 - Slot A9 |
| Company: | KOKOPELLI FIELD | TVD Reference: | KELLY BUSHING @ 5941.0usft (Cyclone 30 (23' RKB) kjs) |
| Project: | Sec. 18-T6S-R91W | MD Reference: | KELLY BUSHING @ 5941.0usft (Cyclone 30 (23' RKB) kjs) |
| Site: | KP 34-18 Pad | North Reference: | True |
| Well: | KP 514-18 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 04Dec09 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 | 1,621,896.80 | 2,409,150.90 | 39° 31' 19.869 N | 107° 35' 40.870 W |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 1,621,896.80 | 2,409,150.90 | 39° 31' 19.869 N | 107° 35' 40.870 W |
| Start Build 3.50 | | | | | | | | | |
| 398.3 | 9.74 | 257.37 | 397.0 | -5.2 | -23.0 | 1,621,892.17 | 2,409,127.76 | 39° 31' 19.818 N | 107° 35' 41.164 W |
| Offset Water Well TD | | | | | | | | | |
| 1,253.2 | 39.66 | 257.37 | 1,164.9 | -82.4 | -367.7 | 1,621,822.90 | 2,408,781.40 | 39° 31' 19.054 N | 107° 35' 45.562 W |
| Hold 39.66 Inclination | | | | | | | | | |
| 1,303.0 | 39.66 | 257.37 | 1,203.2 | -89.3 | -398.7 | 1,621,816.67 | 2,408,750.26 | 39° 31' 18.986 N | 107° 35' 45.958 W |
| 9 5/8" | | | | | | | | | |
| 3,869.0 | 39.66 | 257.37 | 3,178.5 | -447.5 | -1,996.9 | 1,621,495.51 | 2,407,144.33 | 39° 31' 15.445 N | 107° 36' 6.351 W |
| Start Drop -2.00 | | | | | | | | | |
| 4,167.7 | 33.69 | 257.37 | 3,418.0 | -486.5 | -2,170.9 | 1,621,460.53 | 2,406,969.42 | 39° 31' 15.060 N | 107° 36' 8.573 W |
| Mesaverde | | | | | | | | | |
| 5,192.3 | 13.20 | 257.37 | 4,353.0 | -575.1 | -2,566.5 | 1,621,381.03 | 2,406,571.88 | 39° 31' 14.183 N | 107° 36' 13.621 W |
| UMV_PC | | | | | | | | | |
| 5,852.1 | 0.00 | 0.00 | 5,007.0 | -591.7 | -2,640.4 | 1,621,366.20 | 2,406,497.70 | 39° 31' 14.020 N | 107° 36' 14.563 W |
| Vertical | | | | | | | | | |
| 5,952.1 | 0.00 | 0.00 | 5,107.0 | -591.7 | -2,640.4 | 1,621,366.20 | 2,406,497.70 | 39° 31' 14.020 N | 107° 36' 14.563 W |
| Top Gas - Approx. Top Gas | | | | | | | | | |
| 7,088.1 | 0.00 | 0.00 | 6,243.0 | -591.7 | -2,640.4 | 1,621,366.20 | 2,406,497.70 | 39° 31' 14.020 N | 107° 36' 14.563 W |
| Upper Sand | | | | | | | | | |
| 7,660.1 | 0.00 | 0.00 | 6,815.0 | -591.7 | -2,640.4 | 1,621,366.20 | 2,406,497.70 | 39° 31' 14.020 N | 107° 36' 14.563 W |
| Cameo Coals | | | | | | | | | |
| 7,952.1 | 0.00 | 0.00 | 7,107.0 | -591.7 | -2,640.4 | 1,621,366.20 | 2,406,497.70 | 39° 31' 14.020 N | 107° 36' 14.563 W |
| Rollins SS | | | | | | | | | |
| 8,102.1 | 0.00 | 0.00 | 7,257.0 | -591.7 | -2,640.4 | 1,621,366.20 | 2,406,497.70 | 39° 31' 14.020 N | 107° 36' 14.563 W |
| TD at 8102.1 - 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 | | | | | | | | | |
| Top Gas (25' Radius) KF | 0.00 | 0.00 | 5,107.0 | -591.7 | -2,640.4 | 1,621,366.20 | 2,406,497.70 | 39° 31' 14.020 N | 107° 36' 14.563 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 25.0) | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|--------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,303.0 | 1,203.2 | 9 5/8" | 9-5/8 | 12-1/4 | |

Williams
Planning Report - Geographic

| | | | |
|-----------|------------------------|------------------------------|---|
| Database: | Compass R5000 WIN AUTH | Local Co-ordinate Reference: | Well KP 514-18 - Slot A9 |
| Company: | KOKOPELLI FIELD | TVD Reference: | KELLY BUSHING @ 5941.0usft (Cyclone 30 (23' RKB) kjs) |
| Project: | Sec. 18-T6S-R91W | MD Reference: | KELLY BUSHING @ 5941.0usft (Cyclone 30 (23' RKB) kjs) |
| Site: | KP 34-18 Pad | North Reference: | True |
| Well: | KP 514-18 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 04Dec09 kjs | | |

| Formations | | | | | |
|-----------------------|-----------------------|----------------------|-----------|---------|-------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (") | Dip Direction (") |
| 398.3 | 397.0 | Offset Water Well TD | | | |
| 4,167.7 | 3,418.0 | Mesaverde | | | |
| 5,192.3 | 4,353.0 | UMV_PC | | | |
| 5,952.1 | 5,107.0 | Approx. Top Gas | | | |
| 7,088.1 | 6,243.0 | Upper Sand | | | |
| 7,660.1 | 6,815.0 | Cameo Coals | | | |
| 7,952.1 | 7,107.0 | Rollins SS | | | |
| 8,102.1 | 7,257.0 | 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 |
| 1,253.2 | 1,164.9 | -82.4 | -367.7 | Hold 39.66 Inclination |
| 3,869.0 | 3,178.5 | -447.5 | -1,996.9 | Start Drop -2.00 |
| 5,852.1 | 5,007.0 | -591.7 | -2,640.4 | Vertical |
| 5,952.1 | 5,107.0 | -591.7 | -2,640.4 | Top Gas |
| 8,102.1 | 7,257.0 | -591.7 | -2,640.4 | TD at 8102.1 |