02445693

Rev 12/05

# State of Colorado
# Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax:(303)894-2109

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COGCC

## SUNDRY NOTICE

Submit original plus one copy. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full on Technical Information Page (Page 2 of this form.) Identify well or other facility by API Number or by OGCC Facility ID. Operator shall send an informational copy of all sundry notices for wells located in High Density Areas to the Local Government Designee (Rule 603b.)

1. OGCC Operator Number: 96850
2. Name of Operator: Williams Production RMT Company LLC
3. Address: 1001 17th Street, Suite 1200
   City: Denver State: CO Zip 80202
4. Contact Name: Greg Davis
   Phone: (303) 606-4071
   Fax: (303) 629-8268
5. API Number 05-045-20632-00
6. Well/Facility Name: Federal
7. Well/Facility Number KP 44-18
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSE 18-T6S-91W 6PM
9. County: Garfield
10. Field Name: Kokopelli
11. Federal, Indian or State Lease Number:

OGCC Facility ID Number

Complete the Attachment Checklist

| | OP | OGCC |
|---|---|---|
| Survey Plat | | |
| Directional Survey | | |
| Surface Eqpmt Diagram | | |
| Technical Info Page | X | X |
| Other | | |

## General Notice

☐ **CHANGE OF LOCATION:** Attach New Survey Plat (a change of surface qtr/qtr is substantive and requires a new permit)

| | FNL/FSL | | FEL/FWL | |
|---|---|---|---|---|
| Change of Surface Footage from Exterior Section Lines: | | | | |
| Change of Surface Footage to Exterior Section Lines: | | | | |
| Change of Bottomhole Footage from Exterior Section Lines: | | | | |
| Change of Bottomhole Footage to Exterior Section Lines: | | | | |

attach directional survey

Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer

Latitude
Longitude
Ground Elevation

Distance to nearest property line
Distance to nearest lease line
Distance to nearest well same formation

Distance to nearest bldg, public rd, utility or RR
Is location in a High Density Area (rule 603b)? Yes/No
Surface owner consultation date:

**GPS DATA:**
Date of Measurement PDOP Reading Instrument Operator's Name

☐ **CHANGE SPACING UNIT**

| Formation | Formation Code | Spacing order number | Unit Acreage | Unit configuration |
|---|---|---|---|---|
| | | | | |

☐ **Remove from surface bond**
Signed surface use agreement attached

☐ **CHANGE OF OPERATOR (prior to drilling):**
Effective Date:
Plugging Bond: ☐ Blanket ☐ Individual

☐ **CHANGE WELL NAME** NUMBER
From:
To:
Effective Date:

☐ **ABANDONED LOCATION:**
Was location ever built? ☐ Yes ☐ No
Is site ready for Inspection? ☐ Yes ☐ No
Date Ready for Inspection:

☐ **NOTICE OF CONTINUED SHUT IN STATUS**
Date well shut in or temporarily abandoned:
Has Production Equipment been removed from site? ☐ Yes ☐ No
MIT required if shut in longer than two years. Date of last MIT

☐ **SPUD DATE:**

☐ **REQUEST FOR CONFIDENTIAL STATUS** (6 mos from date casing set)

☐ **SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK** *submit cbl and cement job summaries

| Method used | Cementing tool setting/perf depth | Cement volume | Cement top | Cement bottom | Date |
|---|---|---|---|---|---|
| | | | | | |

☐ **RECLAMATION:** Attach technical page describing final reclamation procedures per Rule 1004.
Final reclamation will commence on approximately
☐ Final reclamation is completed and site is ready for inspection.

## Technical Engineering/Environmental Notice

☐ Notice of Intent
Approximate Start Date:

☐ Report of Work Done
Date Work Completed:

**Details of work must be described in full on Technical Information Page (Page 2 must be submitted.)**

☐ Intent to Recomplete (submit form 2)
☒ Change Drilling Plans
☐ Gross Interval Changed?
☐ Casing/Cementing Program Change
☐ Request to Vent or Flare
☐ Repair Well
☐ Rule 502 variance requested
☐ Other:
☐ E&P Waste Disposal
☐ Beneficial Reuse of E&P Waste
☐ Status Update/Change of Remediation Plans for Spills and Releases

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: Greg Davis Date: 11/10/11 Email: Greg.J.Davis@Williams.com

Print Name: Greg Davis Title: Supervisor Permits

COGCC Approved: Title NWAE Date: 2/7/12

CONDITIONS OF APPROVAL, IF ANY:

FORM 4 Rev 12/05



# TECHNICAL INFORMATION PAGE

FOR OGCC USE ONLY

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1. OGCC Operator Number: 96850 API Number: 05-045-20632-00
2. Name of Operator: Williams Production RMT Company LLC OGCC Facility ID #
3. Well/Facility Name: Federal Well/Facility Number: KP 44-18
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSE Sec 18 T6S-R91W

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS**

Williams requests permission to increase the permitted TMD from 7354' to 7454'. 11.6# 4 1/2" Production Casing will be set at 7454' with 682 sx cmt. An additional 100' of depth is required to get perf guns lower to test additional pay. Surface csg depth will remain the same.

See attached revised Directional Plot and Plan.

Williams

Well Name: KP 44-18
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 | 1621927.80 | 2409148.20 | 39° 31' 20.174 N | 107° 35' 40.913 W | B5 |

KELLY BUSHING @ 5941.0usft (Cyclone 30 (23' RKB) kjs)

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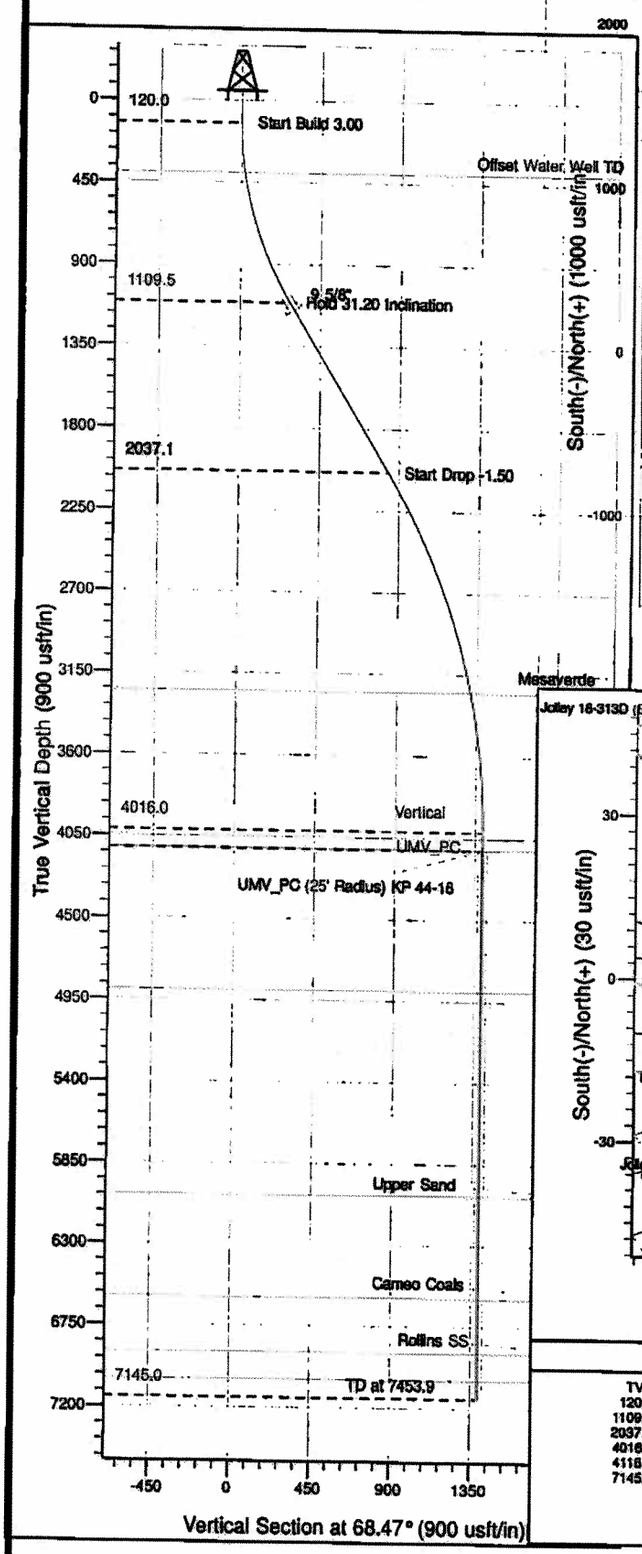


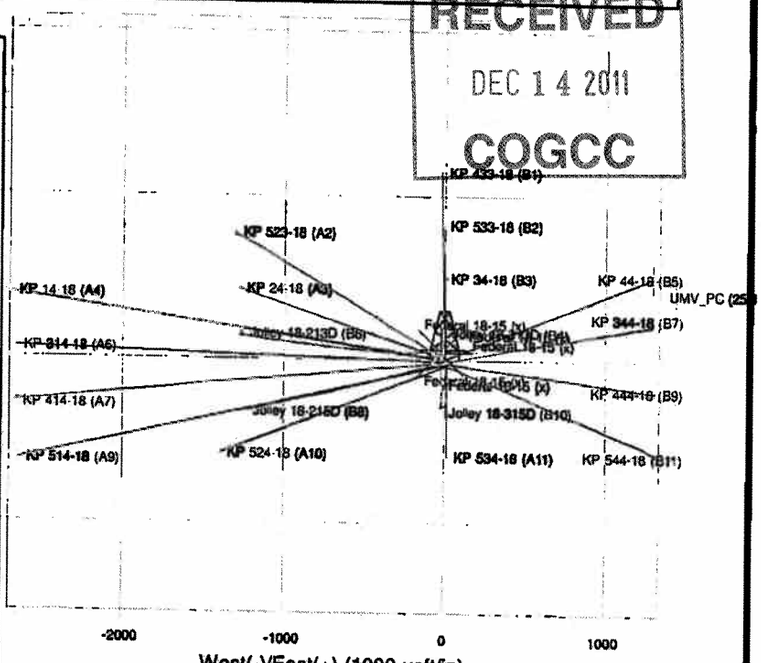


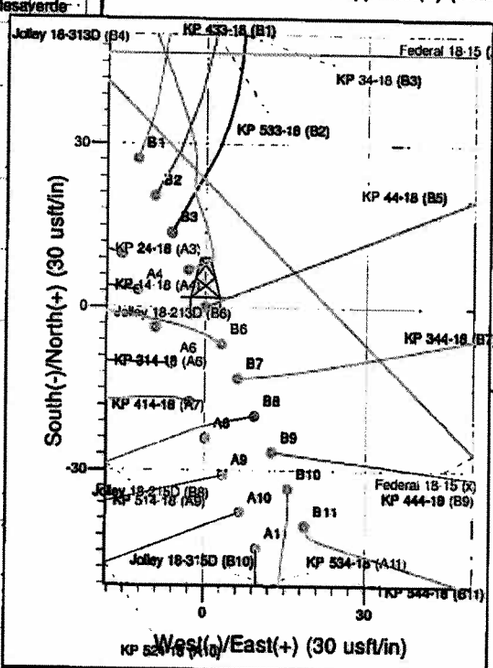


Project: Sec. 18-T8S-R91W
Site: KP 34-18 Pad
Well: KP 44-18
Design #1 07Dec09 kjs

Azimuths to True North
Magnetic North: 10.35°
Magnetic Field
Strength: 52498.3snT
Dip Angle: 65.89°
Date: 12/7/2009
Model: IGRF2005-10

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 |
| 1109.5 | 1160.1 | 31.20 | 68.47 | 101.4 | 257.0 | 276.3 | 276.3 | Hold 31.20 Inclination |
| 2037.1 | 2244.6 | 31.20 | 68.47 | 307.6 | 779.7 | 838.2 | 838.2 | Start Drop -1.50 |
| 4016.0 | 4324.9 | 0.00 | 0.00 | 510.4 | 1293.7 | 1390.8 | 1390.8 | Vertical |
| 4116.0 | 4424.9 | 0.00 | 0.00 | 510.4 | 1293.7 | 1390.8 | 1390.8 | UMV_PC |
| 7145.0 | 7453.9 | 0.00 | 0.00 | 510.4 | 1293.7 | 1390.8 | 1390.8 | TD at 7453.9 |

# KOKOPELLI FIELD

**Sec. 18-T6S-R91W**
**KP 34-18 Pad**
**KP 44-18 - Slot B5**

**Wellbore #1**

**Plan: Design #1 07Dec09 kjs**

# Standard Planning Report - Geographic

**29 September, 2011**

# Williams
## Planning Report - Geographic

| | | | |
|---|---|---|---|
| **Database:** | COMPASS-PICEANCE | **Local Co-ordinate Reference:** | Well KP 44-18 (B5) - Slot B5 |
| **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 44-18 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #1 07Dec09 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 44-18 - Slot B5

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.0 usft | **Northing:** | 1,621,927.80 usft | **Latitude:** | 39° 31' 20.174 N |
| | **+E/-W** | 0.0 usft | **Easting:** | 2,409,148.20 usft | **Longitude:** | 107° 35' 40.913 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 | 12/7/2009 | 10.35 | 65.89 | 52,498 |

**Design** Design #1 07Dec09 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 | 68.47 |

**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 | 0.00 | |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,160.1 | 31.20 | 68.47 | 1,109.5 | 101.4 | 257.0 | 3.00 | 3.00 | 0.00 | 68.47 | |
| 2,244.6 | 31.20 | 68.47 | 2,037.1 | 307.6 | 779.7 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,324.9 | 0.00 | 0.00 | 4,016.0 | 510.4 | 1,293.7 | 1.50 | -1.50 | 0.00 | 180.00 | |
| 4,424.9 | 0.00 | 0.00 | 4,116.0 | 510.4 | 1,293.7 | 0.00 | 0.00 | 0.00 | 0.00 | UMV_PC (25' Radius |
| 7,453.9 | 0.00 | 0.00 | 7,145.0 | 510.4 | 1,293.7 | 0.00 | 0.00 | 0.00 | 0.00 | |

# Williams

## Planning Report - Geographic

| | | | |
|---|---|---|---|
| **Database:** | COMPASS-PICEANCE | **Local Co-ordinate Reference:** | Well KP 44-18 (B5) - Slot B5 |
| **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 44-18 | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | Design #1 07Dec09 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 | 1,621,927.80 | 2,409,148.20 | 39° 31' 20.174 N | 107° 35' 40.913 W |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 1,621,927.80 | 2,409,148.20 | 39° 31' 20.174 N | 107° 35' 40.913 W |
| 1,160.1 | 31.20 | 68.47 | 1,109.5 | 101.4 | 257.0 | 1,622,023.24 | 2,409,407.49 | 39° 31' 21.176 N | 107° 35' 37.633 W |
| 2,244.6 | 31.20 | 68.47 | 2,037.1 | 307.6 | 779.7 | 1,622,217.31 | 2,409,934.74 | 39° 31' 23.214 N | 107° 35' 30.963 W |
| 4,324.9 | 0.00 | 0.00 | 4,016.0 | 510.4 | 1,293.7 | 1,622,408.20 | 2,410,453.30 | 39° 31' 25.218 N | 107° 35' 24.403 W |
| 4,424.9 | 0.00 | 0.00 | 4,116.0 | 510.4 | 1,293.7 | 1,622,408.20 | 2,410,453.30 | 39° 31' 25.218 N | 107° 35' 24.403 W |
| 7,453.9 | 0.00 | 0.00 | 7,145.0 | 510.4 | 1,293.7 | 1,622,408.20 | 2,410,453.30 | 39° 31' 25.218 N | 107° 35' 24.403 W |

**Design Targets**

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| UMV_PC (25' Radius) K<br>- plan hits target center<br>- Circle (radius 25.0) | 0.00 | 0.00 | 4,116.0 | 510.4 | 1,293.7 | 1,622,408.20 | 2,410,453.30 | 39° 31' 25.218 N | 107° 35' 24.403 W |

**Casing Points**

| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") |
|---|---|---|---|---|
| 1,210.0 | 1,152.1 | 9 5/8" | 9-5/8 | 12-1/4 |

**Formations**

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---|---|---|---|---|---|
| 398.0 | 397.0 | Offset Water Well TD | | | |
| 3,553.6 | 3,250.0 | Mesaverde | | | |
| 4,424.9 | 4,116.0 | UMV_PC | | | |
| 5,203.9 | 4,895.0 | Approx. Top Gas | | | |
| 6,338.9 | 6,030.0 | Upper Sand | | | |
| 6,902.9 | 6,594.0 | Cameo Coals | | | |
| 7,203.9 | 6,895.0 | Rollins SS | | | |
| 7,353.9 | 7,045.0 | TD | | | |

**Plan Annotations**

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | Local Coordinates +E/-W (usft) | Comment |
|---|---|---|---|---|
| 120.0 | 120.0 | 0.0 | 0.0 | Start Build 3.00 |
| 1,160.1 | 1,109.5 | 101.4 | 257.0 | Hold 31.20 Inclination |
| 2,244.6 | 2,037.1 | 307.6 | 779.7 | Start Drop -1.50 |
| 4,324.9 | 4,016.0 | 510.4 | 1,293.7 | Vertical |
| 4,424.9 | 4,116.0 | 510.4 | 1,293.7 | UMV_PC |
| 7,453.9 | 7,145.0 | 510.4 | 1,293.7 | TD at 7453.9 |