



02541525

State of Colorado  
Oil and Gas Conservation Commission

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

## 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.)

RECEIVED  
DEC 23 2011  
COGCCComplete the Attachment  
Checklist

OP OGCC

1. OGCC Operator Number: 96850	4. Contact Name: Greg Davis
2. Name of Operator: Williams Production RMT Company LLC	Phone: (303) 606-4071
3. Address: 1001 17th Street, Suite 1200	Fax: (303) 629-8268
City: Denver State: CO Zip: 80202	
5. API Number 05-045-20628-00	OGCC Facility ID Number
6. Well/Facility Name: Federal	7. Well/Facility Number: KP 533-18
8. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSE 18-T6S-91W	
9. County: Garfield	10. Field Name: Kokopeli
11. Federal, Indian or State Lease Number:	

Survey Plat		
Directional Survey		
Surface Eqpmt Diagram		
Technical Info Page	X	X
Other		

## General Notice

<input type="checkbox"/> CHANGE OF LOCATION: Attach New Survey Plat	(a change of surface qtr/qtr is substantive and requires a new permit)				
Change of Surface Footage from Exterior Section Lines:	<table><tr><td>FNL/FSL</td><td>FEL/FWL</td></tr><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	FNL/FSL	FEL/FWL	<input type="checkbox"/>	<input type="checkbox"/>
FNL/FSL	FEL/FWL				
<input type="checkbox"/>	<input type="checkbox"/>				
Change of Surface Footage to Exterior Section Lines:	<table><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>				
Change of Bottomhole Footage from Exterior Section Lines:	<table><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>				
Change of Bottomhole Footage to Exterior Section Lines:	<table><tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></table>	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>				
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer					
Latitude	Distance to nearest property line				
Longitude	Distance to nearest bldg, public rd, utility or RR				
Ground Elevation	Distance to nearest lease line				
	Is location in a High Density Area (rule 603b)? Yes/No NO				
	Distance to nearest well same formation				
	Surface owner consultation date:				

## GPS DATA:

Date of Measurement PDOP Reading Instrument Operator's Name

<input type="checkbox"/> CHANGE SPACING UNIT	<input type="checkbox"/> Remove from surface bond
Formation Formation Code Spacing order number Unit Acreage Unit configuration	Signed surface use agreement attached

<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input type="checkbox"/> CHANGE WELL NAME	NUMBER
Effective Date:	From:	
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	To:	
	Effective Date:	

<input type="checkbox"/> ABANDONED LOCATION:	<input type="checkbox"/> NOTICE OF CONTINUED SHUT IN STATUS
Was location ever built? <input type="checkbox"/> Yes <input type="checkbox"/> No	Date well shut in or temporarily abandoned:
Is site ready for inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No	Has Production Equipment been removed from site? <input type="checkbox"/> Yes <input type="checkbox"/> No
Date Ready for Inspection:	MIT required if shut in longer than two years. Date of last MIT

<input type="checkbox"/> SPUD DATE:	<input type="checkbox"/> REQUEST FOR CONFIDENTIAL STATUS (6 mos from date casing set)
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<input type="checkbox"/> 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	

<input type="checkbox"/> RECLAMATION: Attach technical page describing final reclamation procedures per Rule 1004.	
Final reclamation will commence on approximately	<input type="checkbox"/> Final reclamation is completed and site is ready for inspection.

## Technical Engineering/Environmental Notice

<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Report of Work Done
Approximate Start Date:	Date Work Completed:

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

<input type="checkbox"/> Intent to Recomplete (submit form 2)	<input type="checkbox"/> Request to Vent or Flare	<input type="checkbox"/> E&P Waste Disposal
<input checked="" type="checkbox"/> Change Drilling Plans	<input type="checkbox"/> Repair Well	<input type="checkbox"/> Beneficial Reuse of E&P Waste
<input type="checkbox"/> Gross Interval Changed?	<input type="checkbox"/> Rule 502 variance requested	<input type="checkbox"/> Status Update/Change of Remediation Plans
<input checked="" type="checkbox"/> Casing/Cementing Program Change	<input type="checkbox"/> Other:	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: 12/21/11 Email: Greg.J.Davis@Williams.com  
Print Name: Greg Davis Title: Supervisor PermitsCOGCC Approved: Title: NWA Engineer Date: 1/20/12  
CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

- |  |                                 |
|--|---------------------------------|
| 1. OGCC Operator Number: 96850                           | API Number: 05-045-20628-00     |
| 2. Name of Operator: Williams Production RMT Company LLC | OGCC Facility ID #              |
| 3. Well/Facility Name: Federal                           | Well/Facility Number: KP 533-18 |
| 4. Location (QtrQtr, Sec, Twp, Rng, Meridian):           | SWSE Sec 18 T6S-R91W            |

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COGCC

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.

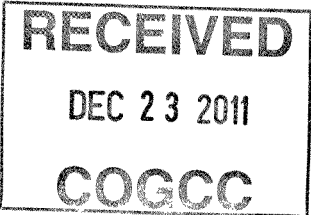
5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Williams requests permission to change the depth of the 32.3# 9 5/8" Sfc Csg from:1025' to: 947' set with 253 sx cmt. and the 11.6# 4 1/2" Prod Csg from: 7277' to:7274' set with 680 sx cmt.

See attached revised Directional Plot and Plan.

GEOLOGIC & DRILLING PROGNOSIS

Prepared: 25-Mar-11 TGG  
Casing depth changed: 14-Dec-11 TGG



WELL NAME: KP 533-18  
Directional from the KP 34-18 pad

STATE: Colorado  
COUNTY: Garfield  
LOCATION: Sec. 18 T 6 S R 91 W: 10 ACRE FED  
TYPE OF UNIT: Sec. 18 Federal Unspaced  
SURFACE HOLE: 757' FSL, 1963' FEL  
BOTTOM HOLE: 1561' FSL, 1960' FEL  
FEDERAL EA: DOI-BLM-CO-NO402008-0016  
WASATCH CEMENT: No

ELEVATION (ft): PAD: 5918  
GROUND: 5918  
KELLY BUSHING: 5944

RIG INFORMATION:  
RIG NAME: Nabors 574  
KB HEIGHT (ft): 26

ESTIMATE TOPS:	Formation	TVD	MD	Comments
	Wasatch	Surface	Surface	
	Offset Water Well TD	397	398	Deepest known water well within one mile. TVDSS related to TVD and MD at this location.
	Mesaverde	3300	3386	
	UMV_PC	4172	4263	(Water zones may be encountered within the upper portion of the Mesaverde)
	Approx. Top Gas	4934	5025	2000' Gas Column as defined in the KP 523-18 well
	Upper Sand	6063	6154	
	Cameo Coals	6639	6730	
	Rollins SS	6934	7025	
	TD	7184	7275	

MUD LOGGING (md): 3186 to TD. (One man or computer unit with at least total gas and drill rate.)

LOGGING PROGRAM: Type of Log: Open-hole Triple-Combo (DIL-GR-SP-Neutron Density)  
Interval (md): GR from TD to surface, DIL-SP from TD to surface casing.  
Neutron Density from TD to 200ft above the Mesaverde top (md)

Strap drill pipe by latest trip prior to TD

CSG & CEMENT PROGRAM: SHOE TEST REQUIRED

	csg size (in)	depth set at (tvd)	depth set at (md)	hole size (in)	Approximate Cmt (ft3) Tail	Tail Yield ft3/Sx	Approx. Sx Tail	Approximate Cmt (ft3) Leac	Lead Yield ft3/Sx	Approx. Sx Lead	WQC (hrs)
Conductor:											
Surface:	9 5/8"	932	947	13 1/2"	352	2.11	167	204	2.37	86	8
Intermediate:											
Liner or Production:	4 1/2"	7184	7275	7 7/8"	639	1.41	453	411	1.81	227	
					Surface (sacks): 253		Prod. (sacks): 680				

Surface cement volumes are calculated w/ 20% excess in gauge hole,  
Production cement: tail is calculated to be 300 ft above geologists pick of top of gas, lead TOC is calculated 300 ft above top of MVRD. 10% Excess added.

ANTICIPATED PRESSURES

MASP	Prod Csg Test Pressure	BHP	
2,150	7,000	4,023	Pressure (psi)

MUD PROGRAM: (Do not deviate from mud engineer's recommendation without prior consent from Parachute office)

FROM (md)	TO (md)	TYPE MUD	#GAL	VIS	WL	CHEMICALS
0	947	Spud	9.0-9.5	45-50		
947	7275	LSND	9.0-10.8	40-50	8-10	Visease & 507

(Write mud added to system on tour sheets and report all mud mixed and daily cost in morning report)

LOST CIRCULATION: Report depth and bbls of mud lost on morning report and tour sheet - Any severe lost circulation problems should be reported immediately to well supervisor.

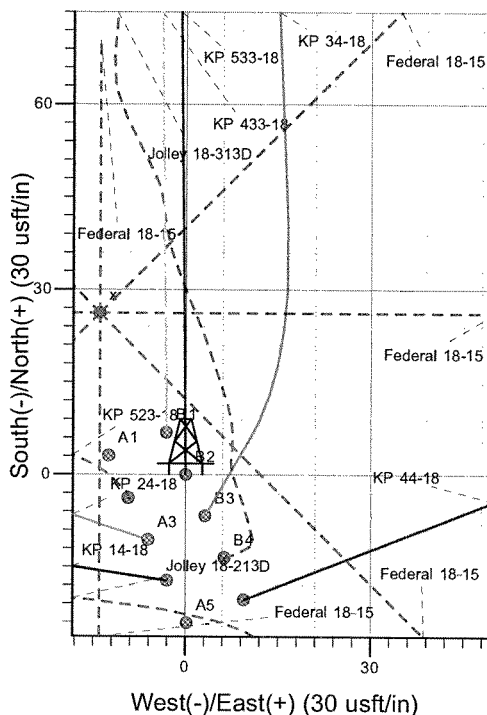
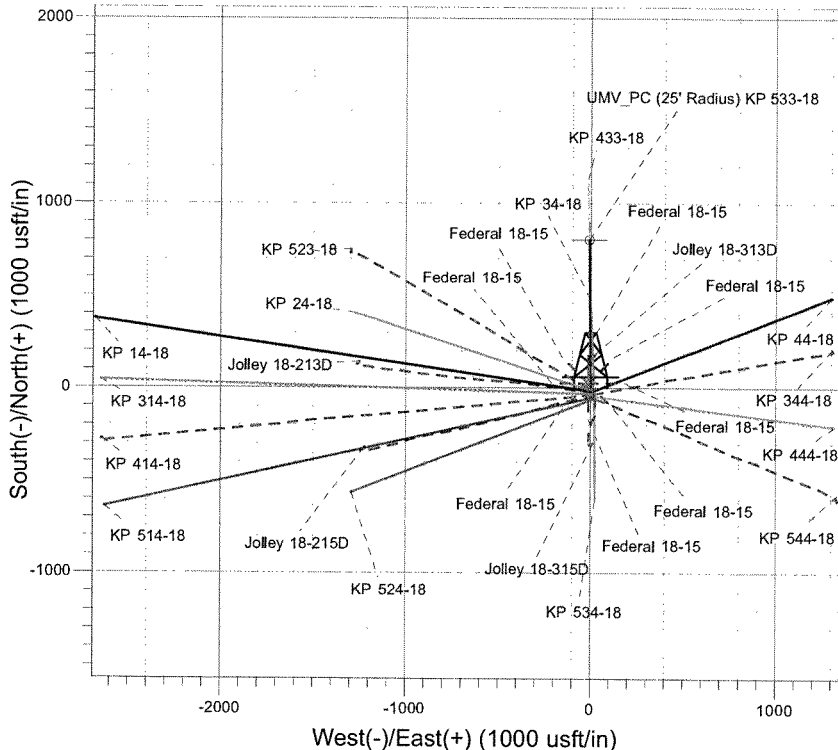
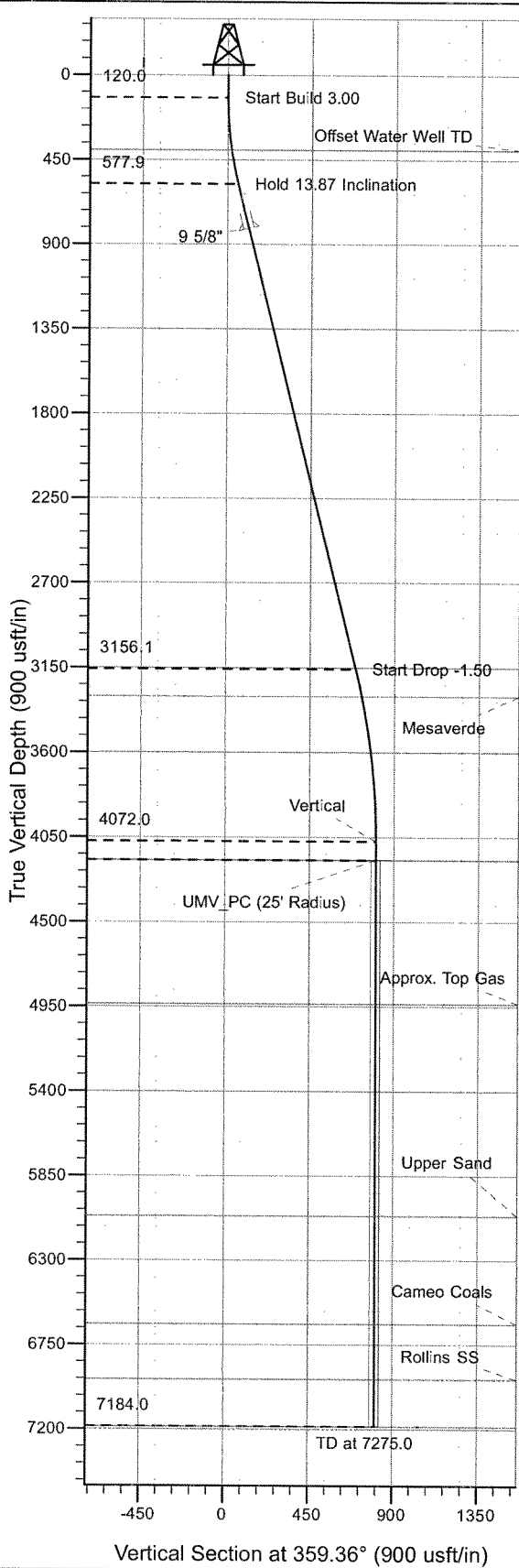
SURVEYS: Run every 100' on surface hole and trips unless otherwise instructed.

(note: if there are questions concerning TD or logging, please call Geologist)

Williams Geologists:	Office	Cell	Home
Trevor Gates (KP Wells)	303-629-8431	720-254-4913	-
Kim Roberts (PA/SP Wells)	303-629-8438	303-646-7411	303-979-2709
Marsha Satorius-Fox (RWF wells)	303-629-8421	303-507-9828	
Ryan Kowalski (GM/SG Wells)	303-606-4051	303-319-4329	303-888-2113
Scott Meade		970-260-8131	



Well Name: KP 533-18  
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 1621948.40 2409139.20 39° 31' 20.376 N 107° 35' 41.034 W B2  
KELLY BUSHING @ 5944.0usft (Nabors 574 (26' RKB) kjs)



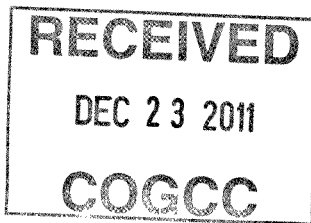
Project: Sec. 18-T6S-R91W  
Site: KP 34-18 Pad  
Well: KP 533-18  
Design #1 04Dec09 kjs

**T M**  
Azimuths to True North  
Magnetic North: 10.35°  
Magnetic Field  
Strength: 52499.2snT  
Dip Angle: 65.89°  
Date: 12/4/2009  
Model: IGRF2005-10

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#### ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.0	Start Build 3.00
582.4	13.87	359.36	577.9	55.7	-0.6	55.7	55.7	Hold 13.87 Inclination
3238.1	13.87	359.36	3156.1	692.4	-7.8	692.5	692.5	Start Drop -1.50
4163.0	0.00	0.00	4072.0	803.8	-9.0	803.9	803.9	Vertical
4263.0	0.00	0.00	4172.0	803.8	-9.0	803.9	803.9	UMV_PC
7275.0	0.00	0.00	7184.0	803.8	-9.0	803.9	803.9	TD at 7275.0



# **KOKOPELLI FIELD**

**Sec. 18-T6S-R91W**

**KP 34-18 Pad**

**KP 533-18 - Slot B2**

**Wellbore #1**

**Plan: Design #1 04Dec09 kjs**

## **Standard Planning Report - Geographic**

**12 December, 2011**

Williams  
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well KP 533-18 - Slot B2
Company:	KOKOPELLI FIELD	TVD Reference:	KELLY BUSHING @ 5944.0usft (Nabors 574 (26' RKB) kjs)
Project:	Sec. 18-T6S-R91W	MD Reference:	KELLY BUSHING @ 5944.0usft (Nabors 574 (26' RKB) kjs)
Site:	KP 34-18 Pad	North Reference:	True
Well:	KP 533-18	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 533-18 - Slot B2					
Well Position	+N/-S	0.0 usft	Northing:	1,621,948.40 usft	Latitude:	39° 31' 20.376 N
	+E/-W	0.0 usft	Easting:	2,409,139.20 usft	Longitude:	107° 35' 41.034 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	359.36

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	
582.4	13.87	359.36	577.9	55.7	-0.6	3.00	3.00	0.00	359.36	
3,238.1	13.87	359.36	3,156.1	692.4	-7.8	0.00	0.00	0.00	0.00	
4,163.0	0.00	0.00	4,072.0	803.8	-9.0	1.50	-1.50	0.00	180.00	
4,263.0	0.00	0.00	4,172.0	803.8	-9.0	0.00	0.00	0.00	0.00	UMV_PC (25' Radius)
7,275.0	0.00	0.00	7,184.0	803.8	-9.0	0.00	0.00	0.00	0.00	

Williams  
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well KP 533-18 - Slot B2
Company:	KOKOPELLI FIELD	TVD Reference:	KELLY BUSHING @ 5944.0usft (Nabors 574 (26' RKB) kjs)
Project:	Sec. 18-T6S-R91W	MD Reference:	KELLY BUSHING @ 5944.0usft (Nabors 574 (26' RKB) kjs)
Site:	KP 34-18 Pad	North Reference:	True
Well:	KP 533-18	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	1,621,948.40	2,409,139.20	39° 31' 20.376 N	107° 35' 41.034 W
120.0	0.00	0.00	120.0	0.0	0.0	1,621,948.40	2,409,139.20	39° 31' 20.376 N	107° 35' 41.034 W
Start Build 2.00									
398.0	8.34	359.36	397.0	20.2	-0.2	1,621,968.59	2,409,139.44	39° 31' 20.575 N	107° 35' 41.037 W
Offset Water Well TD									
582.4	13.87	359.36	577.9	55.7	-0.6	1,622,004.10	2,409,139.86	39° 31' 20.926 N	107° 35' 41.042 W
847.1	13.87	359.36	834.8	119.2	-1.3	1,622,067.55	2,409,140.61	39° 31' 21.553 N	107° 35' 41.051 W
Hold 14.54 Inclination									
947.0	13.87	359.36	931.9	143.1	-1.6	1,622,091.50	2,409,140.90	39° 31' 21.790 N	107° 35' 41.055 W
9 5/8"									
3,196.0	13.87	359.36	3,115.2	682.3	-7.7	1,622,630.68	2,409,147.27	39° 31' 27.119 N	107° 35' 41.132 W
Start Drop -1.50									
3,238.1	13.87	359.36	3,156.1	692.4	-7.8	1,622,640.79	2,409,147.39	39° 31' 27.219 N	107° 35' 41.133 W
3,385.6	11.66	359.36	3,300.0	725.0	-8.1	1,622,673.38	2,409,147.77	39° 31' 27.541 N	107° 35' 41.138 W
Mesaverde									
4,163.0	0.00	0.00	4,072.0	803.8	-9.0	1,622,752.20	2,409,148.70	39° 31' 28.320 N	107° 35' 41.149 W
4,165.4	0.00	0.00	4,074.4	803.8	-9.0	1,622,752.20	2,409,148.70	39° 31' 28.320 N	107° 35' 41.149 W
Vertical									
4,263.0	0.00	0.00	4,172.0	803.8	-9.0	1,622,752.20	2,409,148.70	39° 31' 28.320 N	107° 35' 41.149 W
UMV_PC - UMV_PC (25' Radius) KP 533-18									
4,265.4	0.00	0.00	4,174.4	803.8	-9.0	1,622,752.20	2,409,148.70	39° 31' 28.320 N	107° 35' 41.149 W
UMV_PC									
5,025.0	0.00	0.00	4,934.0	803.8	-9.0	1,622,752.20	2,409,148.70	39° 31' 28.320 N	107° 35' 41.149 W
Approx. Top Gas									
6,154.0	0.00	0.00	6,063.0	803.8	-9.0	1,622,752.20	2,409,148.70	39° 31' 28.320 N	107° 35' 41.149 W
Upper Sand									
6,730.0	0.00	0.00	6,639.0	803.8	-9.0	1,622,752.20	2,409,148.70	39° 31' 28.320 N	107° 35' 41.149 W
Cameo Coals									
7,025.0	0.00	0.00	6,934.0	803.8	-9.0	1,622,752.20	2,409,148.70	39° 31' 28.320 N	107° 35' 41.149 W
Rollins SS									
7,275.0	0.00	0.00	7,184.0	803.8	-9.0	1,622,752.20	2,409,148.70	39° 31' 28.320 N	107° 35' 41.149 W
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	4,172.0	803.8	-9.0	1,622,752.20	2,409,148.70	39° 31' 28.320 N	107° 35' 41.149 W
- plan hits target center									
- Circle (radius 25.0)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
947.0	931.9	9 5/8"		9-5/8	12-1/4

Williams  
Planning Report - Geographic

Database:	COMPASS-PICEANCE	Local Co-ordinate Reference:	Well KP 533-18 - Slot B2
Company:	KOKOPELLI FIELD	TVD Reference:	KELLY BUSHING @ 5944.0usft (Nabors 574 (26' RKB) kjs)
Project:	Sec. 18-T6S-R91W	MD Reference:	KELLY BUSHING @ 5944.0usft (Nabors 574 (26' RKB) kjs)
Site:	KP 34-18 Pad	North Reference:	True
Well:	KP 533-18	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 (°)	
398.0	397.0	Offset Water Well TD				
3,385.6	3,300.0	Mesaverde				
4,263.0	4,172.0	UMV_PC				
5,025.0	4,934.0	Approx. Top Gas				
6,154.0	6,063.0	Upper Sand				
6,730.0	6,639.0	Cameo Coals				
7,025.0	6,934.0	Rollins SS				
7,275.0	7,184.0	TD		0.00		

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 2.00
847.1	839.3	91.8	-1.0	Hold 14.54 Inclination
3,196.0	3,113.0	681.5	-7.7	Start Drop -1.50
4,165.4	4,072.0	803.8	-9.0	Vertical
4,265.4	4,172.0	803.8	-9.0	UMV_PC
7,277.4	7,184.0	803.8	-9.0	TD at 7277.4