

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.
COC062053

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Williams Production RMT Company

3a. Address
**1515 Arapahoe Street, Tower 3, Suite 1000
Denver, Colorado 80202**

3b. Phone No. (include area code)
(303) 606-4342

7. If Unit of CA/Agreement, Name and/or No.
Federal Ryan Gulch Unit COC068239X

8. Well Name and No.
Federal RGU 441-1-298

9. API Well No.
05-103-11434-00

10. Field and Pool or Exploratory Area
Sulphur Creek

4. Location of Well (Footage, Sec., T, R, M., or Survey Description)
SHL: 798' FNL, 551' FEL; NENE of Sec. 1, T2S-R98W 6th P.M.
BHL: 920' FNL, 591' FEL; NENE of Sec. 1, T2S-R98W 6th P.M.

11. Country or Parish, State
Rio Blanco, Colorado

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Bottom Hole</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>Location</u>

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Request authorization to change Bottom Hole Location.

Change of Bottom Hole footage FROM: 1016' FNL, 622' FEL
Change of Bottom Hole footage TO: 920' FNL, 591' FEL

The Directional Plan has been modified accordingly.

Please reference attached documents:

- 1) Revised Final Plat
- 2) Directional Page Plot
- 3) Directional Plan

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Matt Barber

Title **Sr. Regulatory Specialist**

Signature



Date **08/27/2010**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

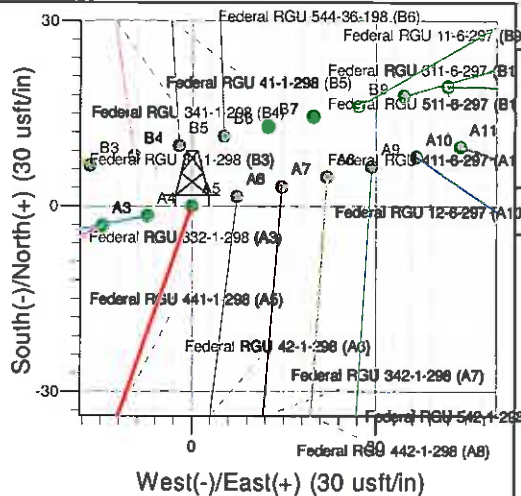
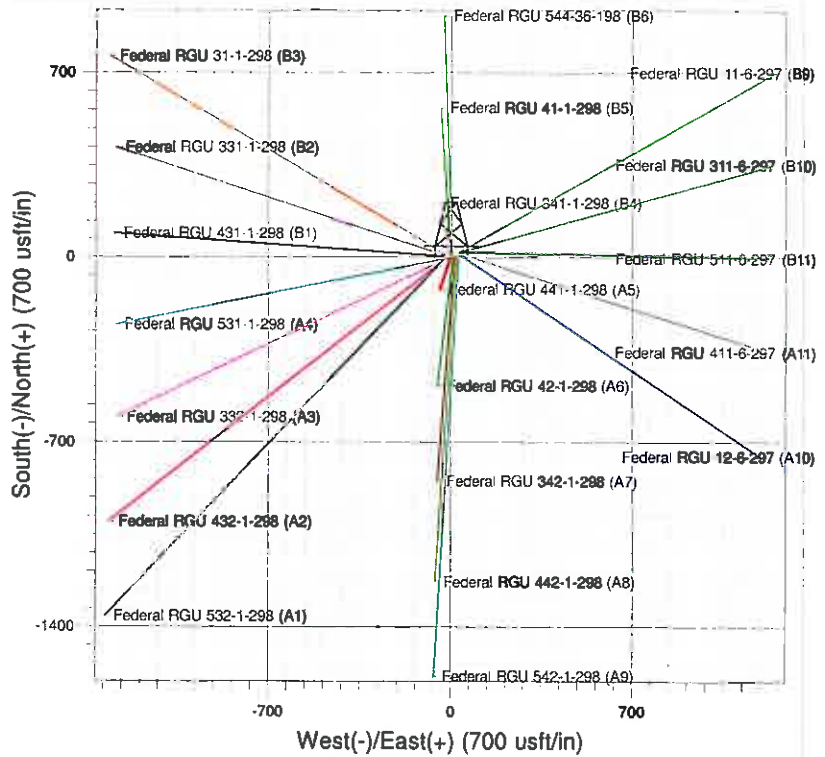
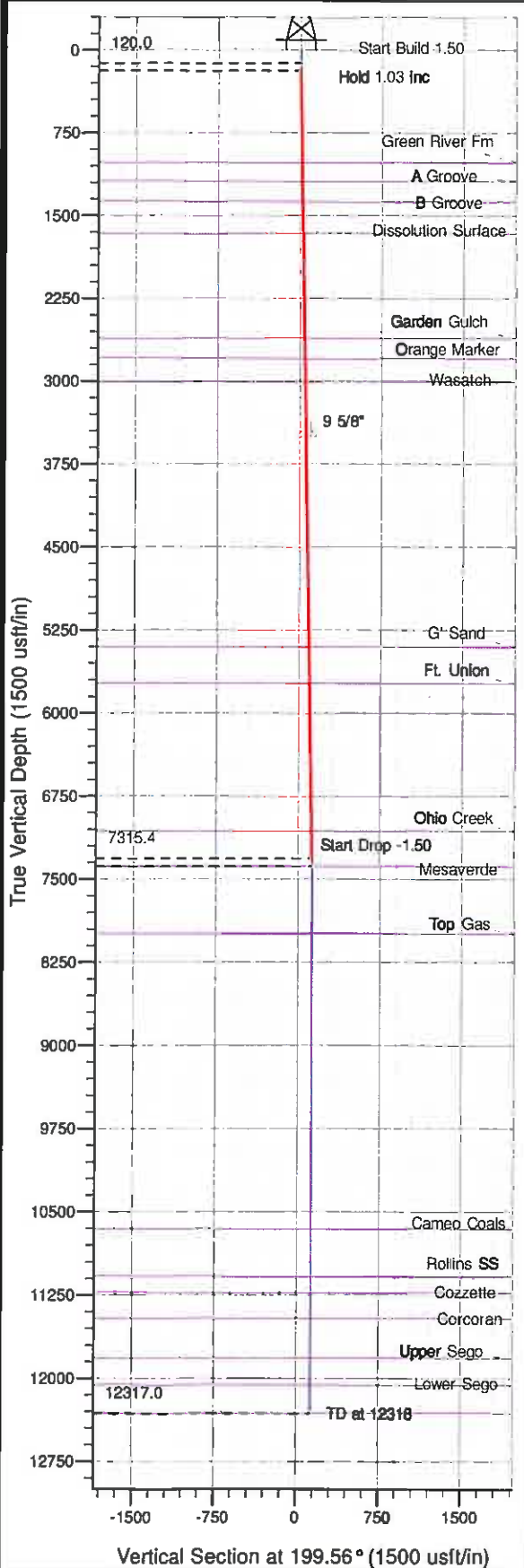
Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



Well Name: Federal RGU 441-1-298
 Surface Location: RGU 41-1-298 Pad
 North American Datum 1983 , US State Plane 1983 , Colorado Central Zone
 Ground Elevation: 6573.0
 Northing 1768861.43 Easting 2204777.32 Latitude 39° 54' 36.983 N Longitude 108° 20' 6.291 W
 Slot A5
 KELLY BUSHING @ 6594.0usft



Project: RG 01-02S-098W
 Site: RGU 41-1-298 Pad
 Well: Federal RGU 441-1-298
 Plan #2 30Mar10 kjs

M Azimuths to True North
 Magnetic North: 10.56°
 Magnetic Field
 Strength: 52423.6snT
 Dip Angle: 66.02°
 Date: 6/22/2011
 Model: IGRF2010

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.000	0.0	
2	120.0	0.00	0.00	120.0	0.0	0.0	0.00	0.000	0.0	
3	188.6	1.03	199.56	188.6	-0.8	-0.2	1.50	199.557	0.6	
4	7316.6	1.03	199.56	7315.4	-121.1	-43.0	0.00	0.000	128.6	
5	7385.2	0.00	0.00	7384.0	-121.7	-43.2	1.50	180.000	129.2	Mesaverde (25' Radius) Federal RGU 441-1-298
6	12318.2	0.00	0.00	12317.0	-121.7	-43.2	0.00	0.000	129.2	

ANNOTATIONS										
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSecl	Departure	Annotation		
120.0	120.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	Start Build 1.50
188.6	188.6	1.03	199.56	-0.8	-0.2	0.6	0.6	0.6	0.6	Hold 1.03 Inc
7315.4	7316.6	1.03	199.56	-121.1	-43.0	128.6	128.6	128.6	128.6	Start Drop 1.50
7384.0	7385.2	0.00	0.00	-121.7	-43.2	129.2	129.2	129.2	129.2	Vertical
12317.0	12318.2	0.00	0.00	-121.7	-43.2	129.2	129.2	129.2	129.2	TD at 12318

PICEANCE HL NAD 83

RG 01-02S-098W

RGU 41-1-298 Pad

Federal RGU 441-1-298 - Slot A5

Federal RGU 441-1-298

Plan: Plan #2 30Mar10 kjs

Standard Planning Report - Geographic

26 August, 2010

Williams
Planning Report - Geographic

Database:	Compass R5000 WIN AUTH	Local Co-ordinate Reference:	Well Federal RGU 441-1-298 (A5) - Slot A5
Company:	PICEANCE HL NAD 83	TVD Reference:	KELLY BUSHING @ 6594.0usft
Project:	RG 01-02S-098W	MD Reference:	KELLY BUSHING @ 6594.0usft
Site:	RGU 41-1-298 Pad	North Reference:	True
Well:	Federal RGU 441-1-298	Survey Calculation Method:	Minimum Curvature
Wellbore:	Federal RGU 441-1-298		
Design:	Plan #2 30Mar10 kjs		

Project	RG 01-02S-098W, Rio Blanco County, CO, RG 01-02S-098W		
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	RGU 41-1-298 Pad				
Site Position:	Northing:	1,768,871.26 usft	Latitude:	39° 54' 37.079 N	
From: Map	Easting:	2,204,775.51 usft	Longitude:	108° 20' 6.318 W	
Position Uncertainty:	0.0 usft	Slot Radius:	13.200 in	Grid Convergence:	-1.788 °

Well	Federal RGU 441-1-298 - Slot A5					
Well Position	+N/-S	0.0 usft	Northing:	1,768,861.42 usft	Latitude:	39° 54' 36.983 N
	+E/-W	0.0 usft	Easting:	2,204,777.32 usft	Longitude:	108° 20' 6.291 W
Position Uncertainty	0.0 usft		Wellhead Elevation:		Ground Level:	6,573.0 usft

Wellbore	Federal RGU 441-1-298				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/22/2011	10.556	66.016	52,424

Design	Plan #2 30Mar10 kjs			
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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	199.56

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	
120.0	0.00	0.00	120.0	0.0	0.0	0.00	0.00	0.00	0.000	
188.6	1.03	199.56	188.6	-0.6	-0.2	1.50	1.50	0.00	199.557	
7,316.6	1.03	199.56	7,315.4	-121.1	-43.0	0.00	0.00	0.00	0.000	
7,385.2	0.00	0.00	7,384.0	-121.7	-43.2	1.50	-1.50	0.00	180.000	Mesaverde (25' Radial)
12,318.2	0.00	0.00	12,317.0	-121.7	-43.2	0.00	0.00	0.00	0.000	

Williams
Planning Report - Geographic

Database:	Compass R5000 WIN AUTH	Local Co-ordinate Reference:	Well Federal RGU 441-1-298 (A5) - Slot A5
Company:	PICEANCE HL NAD 83	TVD Reference:	KELLY BUSHING @ 6594.0usft
Project:	RG 01-02S-098W	MD Reference:	KELLY BUSHING @ 6594.0usft
Site:	RGU 41-1-298 Pad	North Reference:	True
Well:	Federal RGU 441-1-298	Survey Calculation Method:	Minimum Curvature
Wellbore:	Federal RGU 441-1-298		
Design:	Plan #2 30Mar10 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	1,768,861.42	2,204,777.32	39° 54' 36.983 N	108° 20' 6.291 W
120.0	0.00	0.00	120.0	0.0	0.0	1,768,861.42	2,204,777.32	39° 54' 36.983 N	108° 20' 6.291 W
188.6	1.03	199.56	188.6	-0.6	-0.2	1,768,860.85	2,204,777.10	39° 54' 36.977 N	108° 20' 6.294 W
7,316.6	1.03	199.56	7,315.4	-121.1	-43.0	1,768,741.67	2,204,730.52	39° 54' 35.785 N	108° 20' 6.843 W
7,385.2	0.00	0.00	7,384.0	-121.7	-43.2	1,768,741.10	2,204,730.30	39° 54' 35.780 N	108° 20' 6.846 W
12,318.2	0.00	0.00	12,317.0	-121.7	-43.2	1,768,741.10	2,204,730.30	39° 54' 35.780 N	108° 20' 6.846 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
Mesaverde (50' Radius) - plan hits target center - Circle (radius 50.0)	0.00	0.00	7,384.0	-121.7	-43.2	1,768,741.10	2,204,730.30	39° 54' 35.780 N	108° 20' 6.846 W
Mesaverde (25' Radius) - plan hits target center - Circle (radius 25.0)	0.00	0.00	7,384.0	-121.7	-43.2	1,768,741.10	2,204,730.30	39° 54' 35.780 N	108° 20' 6.846 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
3,510.0	3,509.5	9 5/8"	9.625	13.500

Williams

Planning Report - Geographic

Database:	Compass R5000 WIN AUTH	Local Co-ordinate Reference:	Well Federal RGU 441-1-298 (A5) - Slot A5
Company:	PICEANCE HL NAD 83	TVD Reference:	KELLY BUSHING @ 6594.0usft
Project:	RG 01-02S-098W	MD Reference:	KELLY BUSHING @ 6594.0usft
Site:	RGU 41-1-298 Pad	North Reference:	True
Well:	Federal RGU 441-1-298	Survey Calculation Method:	Minimum Curvature
Wellbore:	Federal RGU 441-1-298		
Design:	Plan #2 30Mar10 kjs		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (")	Dip Direction (")
1,019.1	1,019.0	Green River Fm			
1,189.2	1,189.0	A Groove			
1,374.2	1,374.0	B Groove			
1,664.2	1,664.0	Dissolution Surface			
2,614.4	2,614.0	Garden Gulch			
2,794.4	2,794.0	Orange Marker			
3,009.5	3,009.0	Wasatch			
5,404.8	5,404.0	G' Sand			
5,734.9	5,734.0	Ft. Union			
7,065.1	7,064.0	Ohio Creek			
7,385.2	7,384.0	Mesaverde			
7,995.2	7,994.0	Top Gas			
10,655.2	10,654.0	Cameo Coals			
11,085.2	11,084.0	Rollins SS			
11,230.2	11,229.0	Cozzette			
11,460.2	11,459.0	Corcoran			
11,820.2	11,819.0	Upper Sego			
12,065.2	12,064.0	Lower Sego			
12,315.2	12,314.0	TD		0.000	

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 1.50
188.6	188.6	-0.6	-0.2	Hold 1.03 Inc
7,316.6	7,315.4	-121.1	-43.0	Start Drop -1.50
7,385.2	7,384.0	-121.7	-43.2	Vertical
12,318.2	12,317.0	-121.7	-43.2	TD at 12318