

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	4. Contact Name: Howard Harris
2. Name of Operator: Williams Production RMT Company LLC	Phone: (303) 606-4086
3. Address: 1001 17th Street, Suite 1200	Fax: (303) 629-8268
City: Denver State: CO Zip: 80202	
5. API Number 05-045-07465-00	OGCC Facility ID Number
6. Well/Facility Name: Clough	7. Well/Facility Number RMV 215-21
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian):	NESW SEC. 21 T6S-R94W 6TH PM
9. County: Garfield	10. Field Name: Rulison
11. Federal, Indian or State Lease Number:	

Complete the Attachment Checklist

OP OGCC

Survey Plat		
Directional Survey		
Surface Eqpm Diagram		
Technical Info Page	X	X

operations smy 2287368
wellbore dia 2287369

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></td><td>FNL/FSL</td><td></td><td>FEL/FWL</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>Change of Surface Footage to Exterior Section Lines:</td><td></td><td></td><td></td></tr><tr><td>Change of Bottomhole Footage from Exterior Section Lines:</td><td></td><td></td><td></td></tr><tr><td>Change of Bottomhole Footage to Exterior Section Lines:</td><td></td><td></td><td></td></tr></table>		FNL/FSL		FEL/FWL					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
	FNL/FSL		FEL/FWL																			
Change of Surface Footage to Exterior Section Lines:																						
Change of Bottomhole Footage from Exterior Section Lines:																						
Change of Bottomhole Footage to Exterior Section Lines:																						
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer																						
Latitude	Distance to nearest property line	Distance to nearest bldg, public rd, utility or RR																				
Longitude	Distance to nearest lease line	Is location in a High Density Area (rule 603b)? Yes/No																				
Ground Elevation	Distance to nearest well same formation	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

From: NUMBER
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: 4/1/12

☐ 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)

☐ Request to Vent or Flare

☐ E&P Waste Disposal

☐ Change Drilling Plans

☐ Repair Well

☐ Beneficial Reuse of E&P Waste

☐ Gross Interval Changed?

☐ Rule 502 variance requested

☐ Status Update/Change of Remediation Plans

☐ Casing/Cementing Program Change

☒ Other: Convert to Injection

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: Howard Harris
Print Name: Howard Harris

Date: 2/7/12 Email: Howard.Harris@Williams.com
Title: Sr. Regulatory Specialist

COGCC Approved:

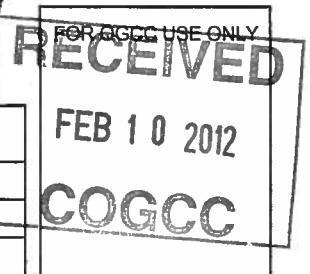
Title: NWAE

Date: 2/28/12

CONDITIONS OF APPROVAL, IF ANY:

See COA's on Form 2 Recomplete & on
doc # 2121401

TECHNICAL INFORMATION PAGE



1. OGCC Operator Number:	96850	API Number:	05-045-07465-00
2. Name of Operator:	Williams Production RMT Company LLC OGCC Facility ID #		
3. Well/Facility Name:	Clough	Well/Facility Number:	RMV 215-24
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	NESW 21-T6S-R94W		

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 convert the subject well to injection (Water Disposal). A CIBP will be set to isolate the existing perms and water will be injected into the upper Williams Fork. Tached procedure and well bore diagram for additional information. A form 2, form 26, form 31 and form 33 along with other supporting documents are also being submitted.



Operations Summary

Form 4

2287367

RECEIVED

FEB 10 2012

COGCC



WPX Energy, Inc.
Injection Well Completion Procedure

Well: RMV 215-21
Surf Loc: NESW S21 T6S R94W
Field: RULISON
Production Casing: 4-1/2" 11.6g I-80
Correlate Log: RMWS CBL - 2000??

Prepared By: Chris Caplis
Cell Phone: (303) 601-4884
Office Phone: (303) 606-4041
Fax: (303) 629-8282

Stage Top	Stage Btm	Gross Int	Top Perf	Btm Perf	Holes	Gross Pay
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MAX Pressure 6000 psi
RMWS Conventional Perf

Completion Procedure + Operational notes:

1. Contact Production guys to remove any necessary production equipment or sensors and secure well.
2. MIRU Service Unit. Kill well and pull 2 3/8" tubing.
Inspect for holes, kinks and scale and note depths in report.
3. RIH with Wireline Gauge Ring to +/- 5300 ft
If unable to get Gauge Ring on depth, RIH with bit & scraper and 2 3/8" workstring
RIH with wireline set CIBP at +/- 5248 ft.
Dump bail 2-4 sks cement on top of plug. Let Cement set overnight.
4. NU Frac tree, Pressure test casing to 6000 psi.
5. Perforate the intervals as outlined below
6. Perform Acid Breakdown/Ballout:

RIH with packer and 2 3/8" workstring, set at 4,874 ft, pressure test packer ~1,000 psi
Pump 1000 gals 7.5% HCl and 56, 1.1 sg, 7/8" Ball Sealers
(Pump 250 gal HCl ahead, then drop a ball every 1/3 of a bbl or 13 gals)
Recover Ball Sealers with Junk Basket Run If necessary

7. Open tubing to tank, RU Swab, need to recover ~95 bbbls (150% of pumped fluid) to obtain a water sample for the State.
8. Sand Frac Interval #1 as outlined below:

Upper WF Stg 1	4972	5206	234	4972	4974	4	29	Perforations: Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t) Breakdown: Acid ballout will be pumped, so pad only here Fluids: Water + 0.5 gpt FR68 + 0.5 gpt LS300D + 1 gal/Mlbs SW WF Proppant: 30/50 High Crush Pump Schd: 0.5 ppg to 1.5 ppg SLF Comments: Perform acid ballout prior to frac job Overflush Btm Perf By 10 bbis Monitor Backside Pressure on all Stages
Casing Collar Depth				4986	4988	4	29	
Plug Type	N/A			5090	5092	4	7	
Job Size	561,440	Gals Sand Laden Fluid		5137	5139	4	15	
Pump Rate	64	bbis/min		5173	5175	4	16	
Est Pump Time	209	min		5192	5194	4	16	
Proppant	280,700	lbs 30/50 HC		5206	5208	4	5	
Scale Inhibitor	309	gals	7 Intervals			28	117	

9. Si to set 8K CIBP @ 4,950 ft
10. Pressure test CIBP & csg to 6,000 psi with acid pumper
Perforate the intervals as outlined below
11. Perform Acid Breakdown/Ballout:

**Pump 1000 gals 7.5% HCl and 56, 1.1 sg, 7/8" Ball Sealers
(Pump 250 gal HCl ahead, then drop a ball every 1/3 of a bbl or 13 gals)
Recover Ball Sealers with Junk Basket Run if necessary**

12. Sand Frac Interval #2 as outlined below:

Upper WF Stg 2	4483	4714	231	4483	4485	4	23	Perforations:	Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t)
Casing Collar Depth				4505	4507	4	23	Breakdown:	Acid ballout will be pumped, so pad only here
Plug Type	8K CIBP			4545	4547	4	24	Fluids:	Water + 0.5 gpt FR66 + 0.5 gpt LS300D + 1 gal/Mlbs SW WF
Job Size	638,880	Gals Sand Laden Fluid		4576	4578	4	12	Proppant:	30/50 High Crush
Pump Rate	64	bbls/min		4606	4608	4	13	Pump Schd:	0.5 ppg to 1.5 ppg SLF
Est Pump Time	238	min		4623	4625	4	13	Comments:	Perform acid ballout prior to frac job
Proppant	319,500	lbs 30/50 HC		4714	4716	4	24		Overflush Btm Perf By 10 bbls
Scale Inhibitor	351	gals							Monitor Backside Pressure on all Stages
				7 Intervals		28	132		

21. SI well after frac. Prep to MIRU Service unit, set kill plug and drill out plugs/clean out sand, land FJ tubing and packer @ 4,426 ft

	Gals SLF	Total Scale Inhibitor	Gross Int	Slages	Sands	Holes	Gross Pay	Top of Cmt	Top of MV	Top of Gas	Tubing Depth
Well Totals	1,200,320	660	465	2	14	56	249	4335	4070	5283	4426
	Horz Rch		Max Angle	@ Depth	Max DLS	@ Depth		MD-TVD	CIBP	CBL TMO	
	318		5.3	4700	0.87	5800		11	5248		



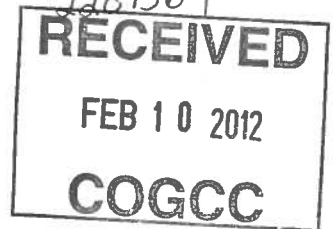
Wellbore diagram

Form 4

2287367

Page 1

RMV 215-21 Wellbore Schematic
2/3/12
Current and Proposed Configuration



Perf Depths (MD)		WELLBORE	DEPTH (MD)	
Top	Bottom			
			0	
			13 1/2	OH
			1,089	Surface Casing Depth 1,089' 9 5/8", 36 lb/ft 540 sks cmt Cement to surface (visual)
			4,250	7 7/8 OH Top of Prod Cmt 4,250' (CBL)
			4,426'	Proposed 4 1/2" packer set at 4,446', 2 3/8" J-55 Tubing
UWF 2	4,483 4,505 4,545 4,576 4,606 4,623 4,714	4,485 4,507 4,547 4,578 4,608 4,625 4,716		Proposed WMFK Perfs: 4,483 ft to 4,485 ft : 4 shots Proposed WMFK Perfs: 4,505 ft to 4,507 ft : 4 shots Proposed WMFK Perfs: 4,545 ft to 4,547 ft : 4 shots Proposed WMFK Perfs: 4,576 ft to 4,578 ft : 4 shots Proposed WMFK Perfs: 4,606 ft to 4,608 ft : 4 shots Proposed WMFK Perfs: 4,623 ft to 4,625 ft : 4 shots Proposed WMFK Perfs: 4,714 ft to 4,716 ft : 4 shots 28
UWF 1	4,972 4,986 5,090 5,137 5,173 5,192 5,206	4,974 4,988 5,092 5,139 5,175 5,194 5,208		Proposed WMFK Perfs: 4,972 ft to 4,974 ft : 4 shots Proposed WMFK Perfs: 4,986 ft to 4,988 ft : 4 shots Proposed WMFK Perfs: 5,090 ft to 5,092 ft : 4 shots Proposed WMFK Perfs: 5,137 ft to 5,139 ft : 4 shots Proposed WMFK Perfs: 5,173 ft to 5,175 ft : 4 shots Proposed WMFK Perfs: 5,192 ft to 5,194 ft : 4 shots Proposed WMFK Perfs: 5,206 ft to 5,208 ft : 4 shots 28
			5,340	CIBP @ 5,340' w/ 2-4 sxs cmt on top
Mesa Verde 3	5,324	5,666		Existing Williams Fork / Cameo perfs from 5,324'-7,392' 70 holes - 4 frac stages Lower Mesaverde and Cameo production to be temporarily abandoned
Mesa Verde 2	5,798	6,152		
Mesa Verde 1	6,589	6,776		
Cameo	6,967	7,392		
			7,549	7,549 BOC 4 1/2", 11.6 lb/ft 1,315 sks cmt



Krabacher, Jay

From: Onyskiw, Denise
Sent: Tuesday, February 28, 2012 1:40 PM
To: Krabacher, Jay
Cc: Andrews, David
Subject: RE: Sundries for wells to be converted to Injection

Jay,
Sundries to convert to injection can be processed by your group if they are on the west side. Just remember to make sure their procedure is to get a water sample for analysis BEFORE fracing or other stuff that may affect the integrity of the sample. If they want to do a step-rate test, they must send us the results so we can calculate the fracture gradient (but not the every-two-second data logger data). If they want to do an injectivity test, then they are limited to 10 000 bbls over ten days.

Denise

From: Krabacher, Jay
Sent: Tuesday, February 28, 2012 1:06 PM
To: Onyskiw, Denise
Cc: Andrews, David
Subject: Sundries for wells to be converted to Injection

Greetings:

“As promised” (or maybe ‘as threatened’) I will summarize our brief phone conversation regarding some Sundries sent to me from Denver COGCC recently. I believe it is because the “intent to recomplete” block is checked on these.

These are for:

Williams	045-10389	Clough RWF 623-21	2287361
Williams	045-10469	Clough RWF 434-21	2287364
Williams	045-07465	Clough RMV 215-21	2287367
Encana	045-11293	S G U 8506B F26 496	2287458

Each has apparently been reviewed and ‘passed’ by Permitting (either R E or B W initials in the Permit block). I will look at each well’s files, to check if the UIC Forms (33, 26, and 31) etc. are present.

Since I’m not sure if I should review/approve these, I’ll review anyway, but leave “in process.”

The doc #’s are in the corresponding 4th column, above.

Regards,

Jay Krabacher