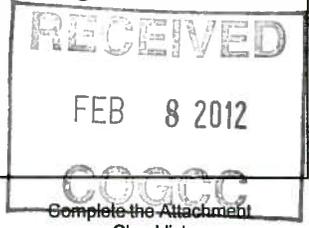




Signature and initials

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
4. Contact Name: Howard Harris
5. API Number: 05-045-10469-00
6. Well/Facility Name: Clough
7. Well/Facility Number: RWF 434-21
8. Location: SWSE SEC. 21 T6S-R94W 6TH PM
9. County: Garfield
10. Field Name: Rulison

Table with columns for Survey Plat, Directional Survey, Surface Eqpmt Diagram, Technical Info Page, and checkboxes for X.

General Notice

CHANGE OF LOCATION: Attach New Survey Plat
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
Bottomhole location Qtr/Qtr, Sec, Twp, Rng, Mer
Latitude, Longitude, Ground Elevation
Distance to nearest property line, lease line, well same formation
Is location in a High Density Area (rule 603b)? Yes/No

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, To, Effective Date, NUMBER

ABANDONED LOCATION: Was location ever built? Is site ready for inspection? Date Ready for Inspection?

NOTICE OF CONTINUED SHUT IN STATUS: Date well shut in or temporarily abandoned: Has Production Equipment been removed from site? MIT required if shut in longer than two years.

SPUD DATE:

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

SUBSEQUENT REPORT OF STAGE, SQUEEZE OR REMEDIAL CEMENT WORK: 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)
Change Drilling Plans
Gross Interval Changed?
Casing/Cementing Program Change
Request to Vent or Flare
Repair Well
Rule 502 variance requested
Other: Convert to Injection
E&P Waste Disposal
Beneficial Reuse of E&P Waste
Status Update/Change of Remediation Plans for Spills and Releases

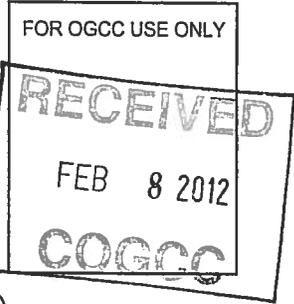
I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

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

COGCC Approved: [Signature] 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: 05-045-10469-00
- 2. Name of Operator: Williams Production RMT Company LLC OGCC Facility ID # \_\_\_\_\_
- 3. Well/Facility Name: Clough Well/Facility Number: RWF 434-21
- 4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWSE 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. Se Attached 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.



VPX Energy, Inc.  
Injection Well Completion Procedure

*Operations Summary*

Well: RWF 434-21  
Surf Loc: SWSE S21 T6S R94W  
Field: RULISON  
Production Casing: 4-1/2" 11.6# 1-80  
Correlate Log: RMWS CBL - 2/4/05

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

Form 4  
2287364

Date: 2/2/12

Stage Top    Stage Btm    Gross Int    Top Perf    Btm Perf    Holes    Gross Pay

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 +/- 5450 ft  
If unable to get Gauge Ring on depth, RIH with bit & scraper and 2 3/8" workstring  
RIH with wireline set CIBP at +/- 5390 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 4,915 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 ~100 bbils (150% of pumped fluid) to obtain a water sample for the State.

8. Sand Frac Interval #1 as outlined below:

Upper WF Stg 1	5013	5259	246	5013	5015	4	19	<b>Perforations:</b> Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t) <b>Breakdown:</b> Acid ballout will be pumped, so pad only here <b>Fluids:</b> Water + 0.5 gpt FR66 + 0.5 gpt LS300D + 1 gal/Miba SW WF <b>Proppant:</b> 30/50 High Crush <b>Pump Schd:</b> 0.5 ppg to 1.5 ppg SLF <b>Comments:</b> Perform acid ballout prior to frac job Overflush Btm Perf By 10 bbils Monitor Backside Pressure on all Stages
Casing Collar Depth	5064			5035	5037	4	19	
Plug Type	N/A			5123	5125	4	39	
Job Size	646,800	Gals Sand Laden Fluid		5170	5172	4	21	
Pump Rate	64	bbils/min		5185	5187	4	21	
Est Pump Time	246	min		5239	5241	4	10	
Proppant	325,000	lbs 30/50 HC		5259	5261	4	17	
Scale Inhibitor	177	gals	7 Intervals			28	146	

9. SI to set 8K CIBP @ 4,995 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	4722	4945	223	4722	4723	2	7	<b>Perforations:</b> Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t) <b>Breakdown:</b> Acid ballout will be pumped, so pad only here <b>Fluids:</b> Water + 0.5 gpt FR66 + 0.5 gpt LS300D + 1 gal/Miba SW WF <b>Proppant:</b> 30/50 High Crush <b>Pump Schd:</b> 0.5 ppg to 1.5 ppg SLF <b>Comments:</b> Perform acid ballout prior to frac job Overflush Btm Perf By 10 bbils Monitor Backside Pressure on all Stages
Casing Collar Depth	4842			4743	4745	4	12	
Plug Type	8K CIBP			4757	4758	2	6	
Job Size	391,600	Gals Sand Laden Fluid		4804	4806	4	10	
Pump Rate	64	bbils/min		4816	4818	4	10	
Est Pump Time	151	min		4916	4918	4	15	
Proppant	200,000	lbs 30/50 HC		4927	4929	4	15	
Scale Inhibitor	107	gals	8 Intervals	4945	4947	4	15	

13. SI to set 8K CIBP @ 4,695 ft

14. Pressure test CIBP & csg to 6,000 psi with acid pumper  
Perforate the intervals as outlined below

15. 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

16. Sand Frac Interval #3 as outlined below:

Upper WF Stg 3	4385	4650	265	4385	4386	3	16	<b>Perforations:</b> Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t) <b>Breakdown:</b> Acid ballout will be pumped, so pad only here <b>Fluids:</b> Water + 0.5 gpt FR66 + 0.5 gpt LS300D + 1 gal/Miba SW WF <b>Proppant:</b> 30/50 High Crush <b>Pump Schd:</b> 0.5 ppg to 1.5 ppg SLF <b>Comments:</b> Perform acid ballout prior to frac job Overflush Btm Perf By 10 bbils Monitor Backside Pressure on all Stages
Casing Collar Depth	4445			4408	4409	2	19	
Plug Type	8K CIBP			4430	4432	4	19	
Job Size	787,600	Gals Sand Laden Fluid		4460	4462	4	47	
Pump Rate	64	bbils/min		4515	4517	4	16	
Est Pump Time	299	min		4557	4559	4	21	
Proppant	395,000	lbs 30/50 HC		4601	4602	2	8	
Scale Inhibitor	216	gals	8 Intervals	4650	4652	5	31	

17. SI to set 8K CIBP @ 4,360 ft

18. Pressure test CIBP & csg to 6,000 psi with acid pumper

19. 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

20. Sand Frac Interval #4 as outlined below:

Upper WF Stg 4	4055	4316	261	4055	4056	4	17	<b>Perforations:</b> Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t) <b>Breakdown:</b> Acid ballout will be pumped, so pad only here <b>Fluids:</b> Water + 0.5 gpt FR66 + 0.5 gpt LS300D + 1 gal/Miba SW WF <b>Proppant:</b> 30/50 High Crush <b>Pump Schd:</b> 0.5 ppg to 1.5 ppg SLF <b>Comments:</b> Perform acid ballout prior to frac job Overflush Btm Perf By 10 bbils Monitor Backside Pressure on all Stages
Casing Collar Depth	4268			4146	4148	4	17	
Plug Type	8K CIBP			4160	4162	4	17	
Job Size	580,800	Gals Sand Laden Fluid		4177	4179	4	17	
Pump Rate	64	bbils/min		4220	4222	4	20	
Est Pump Time	222	min		4248	4250	4	22	
Proppant	290,000	lbs 30/50 HC		4316	4318	4	22	
Scale Inhibitor	159	gals	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 @ 4,000 ft

Well Totals	Gals SLF	Total Scale Inhibitor	Gross Int	Stages	Sands	Holes	Gross Pay	Top of Cmt	Top of MV	Top of Gas	Tubing Depth
	2,406,800	660	995	4	23	84	413	3350	4023	5251	4000
	Horz Rch		Max Angle	@ Depth	Max DLS	@ Depth		MD-TVD	CIBP	CBL TMD	
	562		11.1	2491	3.72	892		38	5390		



Wellbore diagram

Form 4  
2287364

	Perf Depths (MD)		WELLBORE	DEPTH (MD)	
	Top	Bottom			
				0	
					13 1/2 OH
					Surface Casing Depth 1,125' 9 5/8", 36 lb/ft 565 sks cement Cement to surface (visual)
				1,125	
					7 7/8 OH
					Top of Prod Cmt 3,350' (CBL)
				4,000	Proposed 4 1/2" packer set at 4,000', 2 3/8" J-55 Tubing
UWF 4	4,055	4,056			Proposed WMFK Perfs: 4,055 ft to 4,056 ft : 4 shots
	4,146	4,148			Proposed WMFK Perfs: 4,146 ft to 4,148 ft : 4 shots
	4,160	4,162			Proposed WMFK Perfs: 4,160 ft to 4,162 ft : 4 shots
	4,177	4,179			Proposed WMFK Perfs: 4,177 ft to 4,179 ft : 4 shots
	4,220	4,222			Proposed WMFK Perfs: 4,220 ft to 4,222 ft : 4 shots
	4,248	4,250			Proposed WMFK Perfs: 4,248 ft to 4,250 ft : 4 shots
	4,316	4,318			Proposed WMFK Perfs: 4,316 ft to 4,318 ft : 4 shots
					28
UWF 3	4,385	4,386			Proposed WMFK Perfs: 4,385 ft to 4,386 ft : 3 shots
	4,408	4,409			Proposed WMFK Perfs: 4,408 ft to 4,409 ft : 2 shots
	4,430	4,432			Proposed WMFK Perfs: 4,430 ft to 4,432 ft : 4 shots
	4,460	4,462			Proposed WMFK Perfs: 4,460 ft to 4,462 ft : 4 shots
	4,515	4,517			Proposed WMFK Perfs: 4,515 ft to 4,517 ft : 4 shots
	4,557	4,559			Proposed WMFK Perfs: 4,557 ft to 4,559 ft : 4 shots
	4,601	4,602			Proposed WMFK Perfs: 4,601 ft to 4,602 ft : 2 shots
	4,650	4,652			Proposed WMFK Perfs: 4,650 ft to 4,652 ft : 5 shots
					28
UWF 2	4,722	4,723			Proposed WMFK Perfs: 4,722 ft to 4,723 ft : 2 shots
	4,743	4,745			Proposed WMFK Perfs: 4,743 ft to 4,745 ft : 4 shots
	4,757	4,758			Proposed WMFK Perfs: 4,757 ft to 4,758 ft : 2 shots
	4,804	4,806			Proposed WMFK Perfs: 4,804 ft to 4,806 ft : 4 shots
	4,816	4,818			Proposed WMFK Perfs: 4,816 ft to 4,818 ft : 4 shots
	4,916	4,918			Proposed WMFK Perfs: 4,916 ft to 4,918 ft : 4 shots
	4,927	4,929			Proposed WMFK Perfs: 4,927 ft to 4,929 ft : 4 shots
	4,945	4,947			Proposed WMFK Perfs: 4,945 ft to 4,947 ft : 4 shots
					28
UWF 1	5,013	5,015			Proposed WMFK Perfs: 5,013 ft to 5,015 ft : 4 shots
	5,035	5,037			Proposed WMFK Perfs: 5,035 ft to 5,037 ft : 4 shots
	5,123	5,125			Proposed WMFK Perfs: 5,123 ft to 5,125 ft : 4 shots
	5,170	5,172			Proposed WMFK Perfs: 5,170 ft to 5,172 ft : 4 shots
	5,185	5,187			Proposed WMFK Perfs: 5,185 ft to 5,187 ft : 4 shots
	5,239	5,241			Proposed WMFK Perfs: 5,239 ft to 5,241 ft : 4 shots
	5,259	5,261			Proposed WMFK Perfs: 5,259 ft to 5,261 ft : 4 shots
					28
				5,390'	CIBP @ 5,390' w/ 2-4 sxs cmt on top
Mesa Verde 5	5,422	5,591			Existing Williams Fork / Cameo perfs from 5,422'-7,031' 105 holes - 6 frac stages
Mesa Verde 4	5,720	5,813			Lower Williams Fork and Cameo production to be temporarily abandoned
Mesa Verde 3	5,870	6,015			
Mesa Verde 2	6,090	6,268			
Mesa Verde 1	6,480	6,719			
Cameo	6,794	7,031			
				7,549	7549' BOC 4 1/2", 11.6 lb/ft 925 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

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**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 4<sup>th</sup> column, above.

Regards,

Jay Krabacher