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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	
2. Name of Operator:	Williams Production RMT Company	Howard Harris	
3. Address:	1515 Arapahoe St., Tower 3, #11000	Phone: 303-606-4086	
City:	Denver	Fax: 303-629-8272	
State:	CO	Zip:	80202
5. API Number	05- 045-18401-00	OGCC Facility ID Number	
6. Well/Facility Name:	Federal	Well/Facility Number	PA 344-21
8. Location (Qtr/Qtr, Sec, Twp, Rng, Meridian):	SW4 NE1/4 Section 28-T6S-R95W 6th PM	Surface Exgmt Diagram	
9. County:	Garfield	10. Field Name:	Parachute
11. Federal, Indian or State Lease Number:	COC62161	Technical Info Page	X
		Other	

Complete the Attachment
Checklist

OP OGCC

General Notice

<input checked="" 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:	FSL/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)?
Ground Elevation	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	Signed surface use agreement attached
Formation Code	Spacing order number
Unit Acreage	Unit configuration

<input type="checkbox"/> CHANGE OF OPERATOR (prior to drilling):	<input type="checkbox"/> CHANGE WELL NAME	NUMBER
Effective Date:	From:	To:
Plugging Bond: <input type="checkbox"/> Blanket <input type="checkbox"/> Individual	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: 4/15/10	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 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 type="checkbox"/> Casing/Cementing Program Change	<input checked="" type="checkbox"/> Other	<input type="checkbox"/> Repair LOW TOC
		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: 3/30/10 Email: Howard.Harris@Williams.comPrint Name: Howard Harris Title: Sr. Regulatory SpecialistCOGCC Approved: Kevin J. King Title: EIT III Date: MAR 31 2010

CONDITIONS OF APPROVAL, IF ANY:

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY

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1. OGCC Operator Number: 96850 API Number: 05- 045-18401-00
2. Name of Operator: Williams Production RMT Company OGCC Facility ID #
3. Well/Facility Name: Federal Well/Facility Number: PA 344-21
4. Location (QtrQtr, Sec, Twp, Rng, Meridian): SW4 NE/4 Section 28-T6S-R95W 6th PM

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

The primary cement job on the production casing for the PA 344-21 well experienced complications which resulted in a low top of cement. The TOC indicated on the CBL was Approx 7390' which covers only through the Mesaverde II interval. Four intervals will need to be squeezed and isolated before they can be completed.

Attached is a proposed completion procedure which includes the necessary squeeze jobs necessary to remediate the low top of cement.



Exploration and Production
Well Completion Procedure

Well: **PA 344-21**
Surf Loc: SWNE S28 T6S R65W
Field: PARACHUTE
Production Casing: 4-1/2" 11.6# I-80
Correlate Log: Baker-Atlas CBL - 1/22/10

Prepared By: Victoria Martinez
Office Phone: (303) 260-4501
Cell Phone: (303) 803-4152
Fax: (303) 629-8282

Date: 3/28/10

Stage Top	Stage Btm	Gross Int	Top Perf	Btm Perf	Holes	Gross Pay	Perforations:
8647	8766	119	8647	8649	4	36	Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t)
Casing Collar Depth			8684	8685	3	13	Breakdown:
Plug Type	N/A		8716	8717	3	20	None - Pump 500 gals 7 1/2% HCl ahead of frac
Job Size	150,000	Gals Sand Laden Fluid	8733	8735	4	20	Fluids:
Pump Rate	42.5	bbbls/min	8766	8767	3	58	Proppant:
Est Pump Time	92	min					Pump Schd:
Scale Inh. Volume:	53	gal					Comments:
							Shutdown for ISIP in the Pad to calculate perfs open.
							Overflush Btm Perf By 50 bbbls
							Monitor Backside Pressure on all Stages
5 Intervals					17	147	

Cameo	8310	8514	204	8310	8311	2	16	Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t)
Casing Collar Depth				8325	8326	3	16	Breakdown:
Plug Type	Flow Through			8375	8376	3	16	Fluids:
Job Size	115,000	Gals Sand Laden Fluid		8435	8436	2	13	Proppant:
Pump Rate	45	bbbls/min		8453	8454	3	13	Pump Schd:
Est Pump Time	69	min		8481	8482	2	9	Comments:
Scale Inh. Volume:	41	gal		8514	8515	3	12	Shutdown for ISIP in the Pad to calculate perfs open.
								Overflush Btm Perf By 50 bbbls
								Monitor Backside Pressure on all Stages
7 Intervals						18	95	

Mesaverde I	7979	8235	256	7979	7980	2	19	Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t)
Casing Collar Depth				7987	7988	3	17	Breakdown:
Plug Type	Flow Through			8109	8110	2	13	Fluids:
Job Size	143,750	Gals Sand Laden Fluid		8143	8145	4	21	Proppant:
Pump Rate	52.5	bbbls/min		8186	8187	3	19	Pump Schd:
Est Pump Time	72	min		8206	8208	4	15	Comments:
Scale Inh. Volume:	87	gals		8236	8236	3	17	Shutdown for ISIP in the Pad to calculate perfs open.
								Overflush Btm Perf By 50 bbbls
								Monitor Backside Pressure on all Stages
7 Intervals						21	121	

Mesaverde II	7758	7855	97	7758	7759	3	21	Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t)
Casing Collar Depth				7807	7809	4	17	Breakdown:
Plug Type	Flow Through			7841	7843	4	14	Fluids:
Job Size	80,500	Gals Sand Laden Fluid		7855	7857	5	14	Proppant:
Pump Rate	40	bbbls/min						Pump Schd:
Est Pump Time	57	min						Comments:
Scale Inh. Volume:	49	gals						Shutdown for ISIP in the Pad to calculate perfs open.
								Overflush Btm Perf By 50 bbbls
								Monitor Backside Pressure on all Stages
4 Intervals						16	66	

Review CBL and initial completion procedure.
MIRU Wireline.

Set bridge plug at 7425'.

Shoot 2 squeeze holes at 7375'.

R/H with composite cement retainer and set at 7325'.

R/H with tubing and slab into cement retainer.

Establish circulation with freshwater, leaving the bradenhead valve closed.

Pump 100 sxs of 17.0 ppg cement and stage last two bbl of slurry to achieve squeeze with bradenhead valve closed.

Reverse circulate out any remaining cement in the tubing.

POOH with tubing.

Drill out cement, retainers, and solid plug.

Run CBL over squeeze.

Upon successful test continue with completions as planned.

Cement: 100 sxs AG-300 + 0.5% CFR-3
17.0 ppg 0.99 cuft/sk 3.84 gal/sk

Mesaverde III	7430	7490	60	7430	7431	3	19	Use 22.7 gm, (0.35"), 120 deg, 3-1/8" EXP gun (361t)
Casing Collar Depth				7448	7450	4	19	Breakdown:
Plug Type	Flow Through			7463	7465	4	19	Fluids:
Job Size	109,250	Gals Sand Laden Fluid		7490	7492	5	34	Proppant:
Pump Rate	40	bbbls/min						Pump Schd:
Est Pump Time	74	min						Comments:
Scale Inh. Volume:	66	gals						Shutdown for ISIP in the Pad to calculate perfs open.
								Overflush Btm Perf By 50 bbbls
								Monitor Backside Pressure on all Stages
4 Intervals						16	91	

Review CBL and initial completion procedure.
MIRU Wireline.

Set bridge plug at 7130'.

Shoot 2 squeeze holes at 7080'.

R/H with composite cement retainer and set at 7030'.

R/H with tubing and slab into cement retainer.

Establish circulation with freshwater, leaving the bradenhead valve closed.

Pump 100 sxs of 17.0 ppg cement and stage last two bbl of slurry to achieve squeeze with bradenhead valve closed.

Reverse circulate out any remaining cement in the tubing.

POOH with tubing.

Drill out cement, retainers, and solid plug.

Run CBL over squeeze.

Upon successful test continue with completions as planned.

Cement: 100 sxs AG-300 + 0.5% CFR-3
17.0 ppg 0.99 cuft/sk 3.84 gal/sk

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