

FORM
5Rev
02/08

State of Colorado

Oil and Gas Conservation Commission

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



DE ET OE ES

Document Number:

400345731

Date Received:

DRILLING COMPLETION REPORT

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

Completion Type ☒ Final completion ☐ Preliminary completion

1. OGCC Operator Number: 96850

4. Contact Name: Angela Neifert-Kraiser

2. Name of Operator: WPX ENERGY ROCKY MOUNTAIN LLC

Phone: (303) 606-4398

3. Address: 1001 17TH STREET - SUITE #1200

Fax: (303) 629-8268

City: DENVER State: CO Zip: 80202

5. API Number 05-045-21008-00

6. County: GARFIELD

7. Well Name: Patterson

Well Number: SG 314-27

8. Location: QtrQtr: SESW Section: 27 Township: 7S Range: 96W Meridian: 6

Footage at surface: Distance: 1135 feet Direction: FSL Distance: 1864 feet Direction: FWL

As Drilled Latitude: 39.404363 As Drilled Longitude: -108.098586

GPS Data:

Date of Measurement: 12/21/2011 PDOP Reading: 2.1 GPS Instrument Operator's Name: Jack Kirkpatrick

** If directional footage at Top of Prod. Zone Dist.: 884 feet. Direction: FSL Dist.: 940 feet. Direction: FWL

Sec: 27 Twp: 7s Rng: 96w

** If directional footage at Bottom Hole Dist.: 877 feet. Direction: FSL Dist.: 929 feet. Direction: FWL

Sec: 27 Twp: 7s Rng: 96w

9. Field Name: GRAND VALLEY

10. Field Number: 31290

11. Federal, Indian or State Lease Number:

12. Spud Date: (when the 1st bit hit the dirt) 06/02/2012 13. Date TD: 06/06/2012 14. Date Casing Set or D&A: 06/07/2012

15. Well Classification:

☐ Dry ☐ Oil ☒ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

16. Total Depth MD 5140 TVD** 4969 17 Plug Back Total Depth MD 5055 TVD** 4884

18. Elevations GR 5012 KB 5038

One paper copy of all electric and mud logs must be submitted, along with one digital LAS copy as available.

19. List Electric Logs Run:

CBL/MUD

20. Casing, Liner and Cement:

CASING

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
CONDUCTOR	26	18	48	0	65	37	0	65	VISU
SURF	13+1/2	9+5/8	32.3	0	955	290	0	955	VISU
1ST	7+5/8	4+1/2	11.6	0	5,112	890	1,475	5,112	CBL

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 11/01/2012

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
SQUEEZE	1ST	1,500	75	1,475	1,500

Details of work:

Before remediation the well had 240 psi bradenhead pressure (3 hour build up). MIRU workover rig, POOH with tubing. Set a RBP over existing set of perforations (2500') and spotted 6 buckets of sand on plug. Test plug to 3000 psi, test good. Perforate 2 squeeze holes at 1500'. Load casing with water. Pump down casing with bradenhead valve open to attempt to establish circulation. Pumped 35 bbls with no returns. Injection rate of 0.75 bpm at 1800 psi and 1 bpm at 2500 psi. Pumped an additional 20 bbls and shut down. ISIP 1000 psi, 5 min fall off 900 psi, 10 min 850 psi, 15 min 750 psi. Mix and pump 75 sks, 12.7 lb/gal FineCem slurry down tubing. POOH with tubing and squeeze. We were only able to squeeze a total of 7bbls before we pressured out. Shut in bradenhead for 1 hour and had 120 psi. Shut in well for weekend (bradenhead open to tank). Drilled out cement and ran CBL. New TOC 1475'.

After looking at the new CBL (please see attached), there is a clean TOC at 1475' with ratty cement up to 970' (surface shoe at 950'). I don't believe that we'll be able to achieve circulation through the ratty cement and achieve adequate coverage to shut off the bradenhead gas. Squeezing at the shoe is the other option; however, without knowing for sure where the gas is entering the wellbore, we could be masking the presence of the gas at the surface, not actually shutting it off. I would like to limit the number of holes in the casing as much as possible and since this well already has an approved sundry to vent until December 11th, I would like to continue to vent the well to tank. After the vent period expires, I will shut in the well and get another shut in pressure reading. At that time, we can discuss our next step.

21. Formation log intervals and test zones:

FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analyses must be submitted to COGCC)
	Top	Bottom	DST	Cored	
WASATCH G	448		<input type="checkbox"/>	<input type="checkbox"/>	
MESAVERDE	2,308		<input type="checkbox"/>	<input type="checkbox"/>	
CAMEO	4,538		<input type="checkbox"/>	<input type="checkbox"/>	
ROLLINS	4,971		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

updated form 5 for sqz work completed

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

Signed: _____

Print Name: Angela Neifert-KraiserTitle: Regulatory Specialist

Date: _____

Email: angela.neifert-kraiser@wpenergy.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
400346207	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Directional Survey **	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	DST Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Logs	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400345786	Other	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
<u>Other Attachments</u>					
400345781	WELLBORE DIAGRAM	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)