FORM 5
Rev 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

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Date Received: 12/30/2013

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 [X] Final completion [ ] Preliminary completion

1. OGCC Operator Number: 10422
4. Contact Name: Jake Flora
2. Name of Operator: PRONGHORN OPERATING LLC
Phone: (720) 988-5375
3. Address: 8400 E PRENTICE AVENUE #1000
Fax:
City: GREENWOOD State: CO Zip: 80111

5. API Number 05-017-07760-00
6. County: CHEYENNE
7. Well Name: Hanavan
Well Number: 1
8. Location: QtrQtr: NWNW Section: 21 Township: 13S Range: 44W Meridian: 6
Footage at surface: Distance: 610 feet Direction: FNL Distance: 610 feet Direction: FWL
As Drilled Latitude: 38.911910 As Drilled Longitude: -102.349900

GPS Data:
Data of Measurement: 12/05/2013 PDOP Reading: 2.4 GPS Instrument Operator's Name: Elijah Frane

** If directional footage at Top of Prod. Zone Dist.: feet. Direction: Dist.: feet. Direction:
Sec: Twp: Rng:
** If directional footage at Bottom Hole Dist.: feet. Direction: Dist.: feet. Direction:
Sec: Twp: Rng:

9. Field Name: SMOKY CREEK
10. Field Number: 77560
11. Federal, Indian or State Lease Number:

12. Spud Date: (when the 1st bit hit the dirt) 10/26/2013
13. Date TD: 11/03/2013
14. Date Casing Set or D&A: 11/05/2013

15. Well Classification:
[ ] Dry [X] Oil [ ] Gas/Coalbed [ ] Disposal [ ] Stratigraphic [ ] Enhanced Recovery [ ] Storage [ ] Observation

16. Total Depth MD 5504 TVD**
17 Plug Back Total Depth MD 5502 TVD**

18. Elevations GR 4261 KB 4273

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:

SONIC
INDUCTION
NEUTRON DENSITY POROSITY
Triple combo
CBL 1st run
CBL 2nd run

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
SURF	17+1/2	13+3/8	48	0	470	225	0	470	VISU
1ST	7+7/8	5+1/2	15.5	0	5,502	150	5,254	5,502	CBL

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date:

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
STAGE TOOL	S.C. 1.1	2,693	250	978	2,693
STAGE TOOL	S.C. 1.2	4,422	100	3,212	4,422
SQUEEZE	1ST	5,185	75	5,040	5,185

Details of work:

Perforated 5185-5186 ft, set packer at 4935 ft, squeeze 75 sx Class A OWC 1.42 yield, unset packer, reverse out, TOOH.

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	
NIOBRARA	750		☐	☐	
DAKOTA	2,136	2,302	☐	☐	
CHEYENNE	2,476	2,548	☐	☐	
STONE CORRAL	3,114		☐	☐	
SHAWNEE	4,143		☐	☐	
LANSING	4,398		☐	☐	
MARMATON	4,718		☐	☐	
CHEROKEE	4,869		☐	☐	
ATOKA	5,002		☐	☐	
MORROW	5,144		☐	☐	
ST LOUIS	5,270		☐	☐	
SPERGEN	5,381		☐	☐	

Comment:

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

Signed: Print Name: Jake Flora

Title: Petroleum Engineer Date: 12/30/2013 Email: jakeflora@kfrcorp.com

Attachment Check List

Att Doc Num	Document Name	attached ?
Attachment Checklist		
400530233	CMT Summary *	Yes ☒ No ☐
	Core Analysis	Yes ☐ No ☒
	Directional Survey **	Yes ☐ No ☒
	DST Analysis	Yes ☐ No ☒
	Logs	Yes ☒ No ☐
	Other	Yes ☐ No ☒
Other Attachments		
2518845	INDUCTION	Yes ☒ No ☐
2518846	NEUTRON-DENSITY	Yes ☒ No ☐
2518847	SONIC	Yes ☒ No ☐
400527995	FORM 5 SUBMITTED	Yes ☒ No ☐
400530192	TRIPLE COMBINATION-LAS	Yes ☒ No ☐
400530204	PLAT	Yes ☒ No ☐
400532659	CBL 1ST RUN	Yes ☒ No ☐
400532665	CBL 2ND RUN	Yes ☒ No ☐

General Comments

User Group	Comment	Comment Date
Engineer	surface cement ticket Remarks say mixed 225 sacks; invoice says operator charged for 425 sacks. Changed sacks to 225 based on remarks. cement bottoms on stage tab updated to match setting depths & cement ticket. Attached logs added to drilling tab.	3/5/2014 9:54:45 AM
Permit	Attached requested logs.	1/3/2014 1:10:23 PM
Permit	Requested PDF of induction density neutron sonic logs.	1/3/2014 8:09:02 AM

Total: 3 comment(s)