

**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



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Document Number:

2485368

Date Received:

01/30/2013

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 ☒ Final completion ☐ Preliminary completion

1. OGCC Operator Number: 10431

4. Contact Name: WILLIAM HEARD

2. Name of Operator: CHAMA OIL & MINERALS LLC

Phone: (432) 683-8000

3. Address: PO BOX 50203

Fax: (432) 683-8250

City: MIDLAND State: TX Zip: 79710

5. API Number 05-011-06200-00

6. County: BENT

7. Well Name: BROWN 28-24-49

Well Number: 1

8. Location: QtrQtr: NENE Section: 28 Township: 24S Range: 49W Meridian: 6

Footage at surface: Distance: 660 feet Direction: FNL Distance: 660 feet Direction: FEL

As Drilled Latitude: 37.937900 As Drilled Longitude: -102.907700

GPS Data:

Date of Measurement: 08/15/2012 PDOP Reading: 0.0 GPS Instrument Operator's Name: Not taken

** 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: WILDCAT

10. Field Number: 99999

11. Federal, Indian or State Lease Number:

12. Spud Date: (when the 1st bit hit the dirt) 12/10/2012 13. Date TD: 01/03/2013 14. Date Casing Set or D&A: 01/07/2013

15. Well Classification:

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

16. Total Depth MD 6300 TVD** 17 Plug Back Total Depth MD 442 TVD**

18. Elevations GR 3921 KB 3936

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:

TRIPLE COMBO, DSN/SPECTRAL DENSITY, SPECTRAL GR, XR4MI, BHC SONIC

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	12+1/4	9+5/8		0	504	240	0	504	CALC
OPEN HOLE	8+3/4			504	6,300	835	442	5,600	

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: _____

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
	OPEN HOLE	5,600	70	5,400	5,600
	OPEN HOLE	4,200	285	4,484	4,984
	OPEN HOLE	4,484	400	3,521	4,484
	OPEN HOLE	604	80	442	604

Details of work:

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	
PERMIAN	943		<input type="checkbox"/>	<input type="checkbox"/>	
BLAINE	1,299		<input type="checkbox"/>	<input type="checkbox"/>	DAY CREEK 1082'
LYONS	1,386		<input type="checkbox"/>	<input type="checkbox"/>	
STONE CORRAL	1,601		<input type="checkbox"/>	<input type="checkbox"/>	
WOLFCAMP	2,093		<input type="checkbox"/>	<input type="checkbox"/>	
TOPEKA	3,032		<input type="checkbox"/>	<input type="checkbox"/>	WOLFCAMP SHALE 2419'
LANSING	3,378		<input type="checkbox"/>	<input type="checkbox"/>	
MARMATON	3,810		<input type="checkbox"/>	<input type="checkbox"/>	
CHEROKEE	3,977		<input type="checkbox"/>	<input type="checkbox"/>	
ATOKA	4,194		<input type="checkbox"/>	<input type="checkbox"/>	
MORROW	4,774		<input type="checkbox"/>	<input type="checkbox"/>	ATOKA "F" 4488'
KEYES	4,990		<input type="checkbox"/>	<input type="checkbox"/>	
MISSISSIPPIAN	5,161		<input type="checkbox"/>	<input type="checkbox"/>	
ARBUCKLE	5,570		<input type="checkbox"/>	<input type="checkbox"/>	
PRECAMBRIAN	6,244		<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

FORMATION LOG INTERVALS AND TEST ZONES COMMENTS: SEE ATTACHED SHEET FOR FORMATION LOG INTERVALS & TEST ZONES. CORED 4,475' TO 4,752': 277' TOTAL, RECOVERED 241'. WELL TEMPORARILY ABANDONED - SET PLUGS AS LISTED ABOVE.

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

Signed: _____ Print Name: WILLIAM HEARD

Title: PROJECT DRILLING ENGINEER Date: 1/28/2013 Email: BILL.HEARD@CHAMAOIL.COM

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
2165083	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 checked="" type="checkbox"/>	No	<input type="checkbox"/>
2165084	Other	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
<u>Other Attachments</u>					
2485368	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
2518789	DENS/NEU-IND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
2518790	INDUCTION	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Requested as-drilled GPS 6/25/1013	6/25/2013 2:20:06 PM
Engineer	835 sx cement to plug back: see as submitted Form 5 for plug locations.	5/2/2013 5:10:33 PM
Permit	LAS logs uploaded to well file. Missing AS-drilled GPS.	3/14/2013 1:59:58 PM
Permit	On hold - Missing as-drilled GPS, LAS logs.	2/26/2013 6:13:28 AM
Data Entry	CHECK #15. WELL CLASSIFICATION; OTHER; TEMP. ABAND. - NOT OFFERED ON PULL DOWN.	2/25/2013 10:08:32 AM

Total: 5 comment(s)