

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:

400392441

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: 100322

4. Contact Name: Julie Webb

2. Name of Operator: NOBLE ENERGY INC

Phone: (720) 587-2316

3. Address: 1625 BROADWAY STE 2200

Fax:

City: DENVER State: CO Zip: 80202

5. API Number 05-123-15374-00

6. County: WELD

7. Well Name: KUGEL W

Well Number: 4-3

8. Location: QtrQtr: NENW Section: 4 Township: 2N Range: 66W Meridian: 6

Footage at surface: Distance: 575 feet Direction: FNL Distance: 1995 feet Direction: FWL

As Drilled Latitude: As Drilled Longitude:

## GPS Data:

Date of Measurement: PDOP Reading: GPS Instrument Operator's Name:

\*\* 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: WATTENBERG

10. Field Number: 90750

11. Federal, Indian or State Lease Number:

12. Spud Date: (when the 1st bit hit the dirt) 11/08/1991 13. Date TD: 11/13/1991 14. Date Casing Set or D&amp;A: 11/13/1991

## 15. Well Classification:

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

16. Total Depth MD 7626 TVD\*\* 17 Plug Back Total Depth MD 7610 TVD\*\*

18. Elevations GR 4905 KB 4915

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:

Gamma Ray CCL/ CBL

## 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	8+5/8	24	0	612	310	0	612	CALC
1ST	7+7/8	2+7/8	6.5	0	7,624	300	6,650	7,626	CBL

## STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 09/28/2012

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
	S.C. 1.1		230	4,200	5,018
	S.C. 1.1		300	0	860

Details of work:

Control well w/ kill fluid. RIH w/ 2 7/8" blade bit, and scraper, 239 jts. Tagged fill at 7521 KB. TIH w/ RBP, retrieved head, 128 jts. Set RBP @ 7280' KB w/ 232 jts. Roll hole clean. PSI test csg to 500#, good test. Dump 1 sk of sand on plug. Unland casing. Pick Up mule shoe and TIH w/28 jts of 1 1/4" to 878'. Roll hole clean. Pump 230 sks of "G" neat 15.8 ppg cement from 5018' to 4200'. Pump 300 sks of "G" neat 15.8 ppg cement from 860' to surface. Bond log from 5239' to surface. Cement bond looked good from 5030' to 3960 and from 900' to surface. RIH w/ retrieving head and establish circulation and latch onto RBP. Roll hole clean and release RBP. Test in hole to 6000 psi. Land 1 1/4" 2.30# J-55 tubing to 7370. Rig down and move off.

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	
			<input type="checkbox"/>	<input type="checkbox"/>	

Comment:

Gamma Ray CCL/ CBL hard copies will be mailed.

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

Signed: \_\_\_\_\_ Print Name: Julie Webb

Title: Regulatory Analyst Date: \_\_\_\_\_ Email: juliewebb@nobleenergyinc.com

### Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
400393835	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"/>
	Other	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

### General Comments

**User Group** **Comment** **Comment Date**

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Total: 0 comment(s)