

FORM  
5Rev  
09/14

## 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:

400795277

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

OGCC Operator Number: 100322

Contact Name: Kathleen Mills

Name of Operator: NOBLE ENERGY INC

Phone: (720) 587-2226

Address: 1625 BROADWAY STE 2200

Fax: (303) 228-4286

City: DENVER State: CO Zip: 80202

API Number 05-123-39099-00

County: WELD

Well Name: Mahalo State

Well Number: AA09-78HNC

Location: QtrQtr: SWSW Section: 4 Township: 6N Range: 63W Meridian: 6

Footage at surface: Distance: 75 feet Direction: FSL Distance: 908 feet Direction: FWL

As Drilled Latitude: 40.508756 As Drilled Longitude: -104.447972

## GPS Data:

Date of Measurement: 11/17/2012 PDOP Reading: 4.2 GPS Instrument Operator's Name: TOA SAGAPOLUTELE

\*\* If directional footage at Top of Prod. Zone Dist.: 725 feet. Direction: FNL Dist.: 701 feet. Direction: FWL

Sec: 9 Twp: 6N Rng: 63W

\*\* If directional footage at Bottom Hole Dist.: 42 feet. Direction: FNL Dist.: 114 feet. Direction: FWL

Sec: 16 Twp: 6N Rng: 63W

Field Name: WATTENBERG

Field Number: 90750

Federal, Indian or State Lease Number: CO9056.6

Spud Date: (when the 1st bit hit the dirt) 12/25/2014 Date TD: 12/30/2014 Date Casing Set or D&amp;A: 12/31/2014

Rig Release Date: 01/29/2015 Per Rule 308A.b.

## Well Classification:

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

Total Depth MD 11736 TVD\*\* 6684 Plug Back Total Depth MD 11736 TVD\*\* 6684

Elevations GR 4698 KB 4722 Digital Copies of ALL Logs must be Attached per Rule 308A ☒

## List Electric Logs Run:

USIT, MUD, MWD

## CASING, LINER AND CEMENT

| Casing Type | Size of Hole | Size of Casing | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Top | Cmt Bot | Status |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|--------|
| CONDUCTOR   | 26           | 16             | 42.09 | 0             | 124           | 72        | 0       | 124     | VISU   |
| SURF        | 13+1/2       | 9+5/8          | 36    | 0             | 854           | 335       | 0       | 854     | VISU   |
| 1ST         | 8+3/4        | 7              | 26    | 0             | 7,051         | 586       | 1,000   | 7,051   | CBL    |
| 1ST LINER   | 6+1/8        | 4+1/2          | 11.6  | 6851          | 11,732        | 377       | 6,851   | 11,732  | CBL    |

## STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: \_\_\_\_\_

| Method used | String | Cementing tool setting/perf depth | Cement volume | Cement top | Cement bottom |
|-------------|--------|-----------------------------------|---------------|------------|---------------|
|             |        |                                   |               |            |               |

Details of work:

## FORMATION LOG INTERVALS AND TEST ZONES

| FORMATION NAME | Measured Depth |        | Check if applies |       | COMMENTS (All DST and Core Analysis must be submitted to COGCC) |
|----------------|----------------|--------|------------------|-------|---|
|                | Top            | Bottom | DST              | Cored |   |
| PIERRE         | 988            |        |                  |       |   |
| PARKMAN        | 3,518          |        |                  |       |   |
| SUSSEX         | 4,296          |        |                  |       |   |
| SHANNON        | 4,853          |        |                  |       |   |
| TEEPEE BUTTES  | 5,813          |        |                  |       |   |
| NIOBRARA       | 6,595          |        |                  |       |   |

Comment:

GPS TAKEN ON CONDUCTOR  
WAITING ON COMPLETION. THIS WELL WAS DRILLED BUT NOT YET REPORTED AS COMPLETED. THE TOP OF THE PRODUCING ZONE, AS REPORTED, IS TAKEN FROM THE ORIGINAL DRILLING PLAN. AT THE TIME OF COMPLETION, THE EXACT FOOTAGES WILL BE REPORTED. A MIT WILL BE DONE ON THE WELL WITHIN 2 YEARS OF TD IF THE WELL HAS NOT BEEN REPORTED AS COMPLETED.

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

Signed: \_\_\_\_\_ Print Name: Kathleen Mills

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

### Attachment Check List

| Att Doc Num                 | Document Name         | attached ?  |
|-----------------------------|-----------------------|---|
| <u>Attachment Checklist</u> |                       |   |
| 400795307                   | CMT Summary *         | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
|                             | Core Analysis         | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 400795308                   | Directional Survey ** | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
|                             | DST Analysis          | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
|                             | Logs                  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
|                             | Other                 | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| <u>Other Attachments</u>    |                       |   |
| 400795309                   | DIRECTIONAL DATA      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 400811590                   | PDF-CEMENT BOND       | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 400811593                   | LAS-MUD               | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 400811596                   | PDF-MUD               | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 400811598                   | LAS-MUD               | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 400811601                   | PDF-MUD               | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 400811604                   | LAS-GAMMA RAY         | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 400811607                   | PDF-GAMMA RAY         | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 400811608                   | PDF-GAMMA RAY         | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

### General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
|                   |                |                     |

Total: 0 comment(s)