

FORM
5

Rev
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



Document Number:

401375990

Date Received:

08/29/2017

DRILLING COMPLETION REPORT

Per Rule 308A, this form and all required attachments shall be submitted after completing the drilling operations to drill, sidetrack, or deepen a wellbore and after changing the casing and cement configuration of a wellbore. If any attempt has been made to test, complete, or produce the well, the operator shall also submit a Form 5A (Completed Interval Report) per Rule 308B. If the well has been plugged, the operator shall also submit a Form 6 (Well Abandonment Report) per Rule 311.

Completion Type Final completion Preliminary completion

OGCC Operator Number: 47120 Contact Name: JENNIFER THOMAS
Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 929-6808
Address: P O BOX 173779 Fax:
City: DENVER State: CO Zip: 80217-

API Number 05-123-43806-00 County: WELD
Well Name: BABCOCK Well Number: 22N-33HZ
Location: QtrQtr: SENW Section: 4 Township: 2N Range: 67W Meridian: 6
Footage at surface: Distance: 2138 feet Direction: FNL Distance: 2085 feet Direction: FWL
As Drilled Latitude: 40.169183 As Drilled Longitude: -104.896944

GPS Data:
Date of Measurement: 04/27/2017 PDOP Reading: 3.5 GPS Instrument Operator's Name: ROB WILSON

** If directional footage at Top of Prod. Zone Dist.: 2264 feet Direction: FNL Dist.: 1696 feet. Direction: FWL
Sec: 4 Twp: 2N Rng: 67W

** If directional footage at Bottom Hole Dist.: 2173 feet Direction: FSL Dist.: 1620 feet. Direction: FWL
Sec: 33 Twp: 3N Rng: 67W

Field Name: WATTENBERG Field Number: 90750
Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 04/21/2017 Date TD: 06/02/2017 Date Casing Set or D&A: 06/03/2017
Rig Release Date: 07/01/2017 Per Rule 308A.b.

Well Classification:
 Dry Oil Gas/Coalbed Disposal Stratigraphic Enhanced Recovery Storage Observation

Total Depth MD 12220 TVD** 7174 Plug Back Total Depth MD 12116 TVD** 7172

Elevations GR 4886 KB 4907 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:
CBL, MWD, (CNL in 123-43809, RESISTIVITY in 123-19671)

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 | 0 | 100 | 64 | 0 | 100 | VISU |
| SURF | 13+1/2 | 9+5/8 | 36 | 0 | 1,876 | 733 | 0 | 1,876 | VISU |
| 1ST | 7+7/8 | 5+1/2 | 17 | 0 | 12,209 | 1,210 | 615 | 12,209 | 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 | |
| SUSSEX | 4,683 | | | | |
| SHANNON | 4,750 | | | | |
| SHARON SPRINGS | 7,229 | | | | |
| NIOBRARA | 7,360 | | | | |

Operator Comments

Due to anti-collision needs and the variability of directional drilling, our as-drilled BHL could be different than the permitted.
Per Rule 317.p Exception, compensated neutron logs were run on the BABCOCK 23N-33HZ well (API 123-43809).
The Top of Productive Zone review is based on top perf at 7761' MD.
Completion is estimated for Q4, 2017.

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

Signed: _____ Print Name: JENNIFER THOMAS

Title: REGULATORY ANALYST Date: 8/29/2017 Email: jennifer.thomas@anadarko.com

Attachment Check List

| Att Doc Num | Document Name | attached ? | |
|-----------------------------|-----------------------|---|--|
| Attachment Checklist | | | |
| 401385953 | CMT Summary * | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 401385954 | CMT Summary * | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| | Core Analysis | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 401385952 | 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"/> |
| Other Attachments | | | |
| 401375990 | FORM 5 SUBMITTED | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 401385940 | LAS-MWD/LWD | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 401385941 | PDF-MWD/LWD | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 401385942 | LAS-CEMENT BOND | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 401385943 | PDF-CEMENT BOND | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 401385947 | DIRECTIONAL DATA | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

General Comments

| User Group | Comment | Comment Date |
|------------------|--|--------------|
| Engineering Tech | <p>Waiting on a response from the Operator regarding Form 17 compliance; Form 17 reporting was not submitted w/i 60 days of Date Rig Released, or prior to hydraulic stimulation per the dates provided on the related Form 5,5A, & 17.</p> <p>All required well mitigation per Form 2-COA were performed.</p> <ul style="list-style-type: none"> • Corrected the comments in the Drilling/Submit tab • Corrected the PBTB per the Cement Job Summary • Corrected the PBTVD per the Directional Survey | 04/02/2018 |
| Permit | <p>Corrected with operator concurrence the footage at Top of Prod. Zone from 2213 FNL 1698 FWL 4-2N-67W to 2264 FNL 1696 FWL 4-2N-67W</p> <p>Adjusted GR elevation to match dir survey</p> <p>Changed Logs Run to CBL, MWD, (CNL in 123-43809, RESISTIVITY in 123-19671)</p> <p>In Submit tab, revised 'The Top of Productive Zone provided is an estimate based on the landing point at 7831 MD' to 'The Top of Productive Zone review is based on top perf at 7761 MD', Rule 371.p to Rule 317.p</p> <p>Operator: Shannon Top = 4750' MD</p> | 02/22/2018 |

Total: 2 comment(s)