

**FORM
5**Rev
02/08**State of Colorado****Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400161400

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: 47120

4. Contact Name: CARA MAHLER

2. Name of Operator: KERR-MCGEE OIL & GAS ONSHORE LP

Phone: (720) 929-6029

3. Address: P O BOX 173779

Fax: (720) 929-7029

City: DENVER State: CO Zip: 80217-

5. API Number 05-123-08422-00

6. County: WELD

7. Well Name: MEL ANDERSON GAS UNIT

Well Number: 1

8. Location: QtrQtr: SWSW Section: 33 Township: 2N Range: 66W Meridian: 6

Footage at surface: Distance: 1100 feet Direction: FSL Distance: 1180 feet Direction: FWL

As Drilled Latitude: 40.090303 As Drilled Longitude: -104.787342

GPS Data:

Data of Measurement: 04/29/2008 PDOP Reading: 2.9 GPS Instrument Operator's Name: Cody Mattson

** 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) 05/19/1975 13. Date TD: 05/27/1975 14. Date Casing Set or D&A: 06/02/1975

15. Well Classification:

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

16. Total Depth MD 8110 TVD** 17 Plug Back Total Depth MD 8037 TVD**

18. Elevations GR 4976 KB 4986

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:

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 | 230 | 200 | 0 | 230 | CALC |
| 1ST | 7+7/8 | 4+1/2 | 11.6# | 0 | 8,110 | 500 | 6,800 | 8,110 | CBL |

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 06/21/2010

| Method used | String | Cementing tool setting/pref depth | Cement volume | Cement top | Cement bottom |
|-------------|--------|-----------------------------------|---------------|------------|---------------|
| SQUEEZE | 1ST | 5,090 | 425 | 4,640 | 5,090 |
| SQUEEZE | 1ST | 4,630 | 150 | 4,600 | 4,640 |
| SQUEEZE | 1ST | 4,500 | 50 | 4,452 | 4,550 |
| SQUEEZE | 1ST | 350 | 150 | 0 | 350 |
| SQUEEZE | 1ST | 350 | 10 | 0 | 350 |
| SQUEEZE | 1ST | 350 | 75 | 0 | 350 |
| SQUEEZE | 1ST | 350 | 25 | 0 | 350 |
| SQUEEZE | 1ST | 350 | 50 | 0 | 350 |
| SQUEEZE | 1ST | 350 | 50 | 0 | 350 |
| SQUEEZE | 1ST | 3,504,600 | 100 | 0 | 350 |
| SQUEEZE | 1ST | 350 | 100 | 0 | 350 |
| SQUEEZE | 1ST | 850 | 50 | 390 | 850 |

Details of work:

6/21/10 first Sussex squeeze - sqz holes at 4500' and 5090'. Pumped 425 sxs of cement. Sqz did not hold
6/24/10 second Sussex squeeze - sqz holes at 4630'. Pumped 150 sxs. Sqz did not hold
6/28/10 third Sussex squeeze - pumped into sqz holes at 4500'. Sqz held
Top of cement is now at 4460'. Good cement coverage to 4950'. Verified the cement coverage by IPS CBL that was run from 0-4950' on 07/07/10
7/1/10 first Fox Hills squeeze - shot sqz holes at 350'. Pumped 150 sx of cement. Did not hold
7/6/10 second Fox Hill sqz. Pumped 10 sxs into sqz holes at 350'. Sqz held.
10/14/10 Frac
10/19/10 Sqz at 350' determined not to be holding.
10/20/10 Pumped 75sx into sqz holes at 350'. Did not hold
10/25/10 Pumped 50 sxs into sqz holes at 350'. Did not hold
10/27/10 Pumped 50 sxs into sqz holes at 350'. Did not hold
10/29/10 Pumped 100 sxs into sqz holes at 350'. Did not hold
11/4/10 Pumped 50 sx into sqz holes at 350'. Held
11/16/2010 TEST CASING TO 350 PSI. OK.
On the CBL run by IPS on 07/07/10, there is good cement from 0-30', ok cement from 30-350'. good cement from 350' to 850'.

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 | |
| SUSSEX | 4,986 | | <input type="checkbox"/> | <input type="checkbox"/> | |
| NIOBRARA | 7,168 | | <input type="checkbox"/> | <input type="checkbox"/> | |
| FORT HAYS | 7,466 | | <input type="checkbox"/> | <input type="checkbox"/> | |
| CODELL | 7,488 | | <input type="checkbox"/> | <input type="checkbox"/> | |
| J SAND | 7,944 | | <input type="checkbox"/> | <input type="checkbox"/> | |

Comment:

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

Signed: _____ Print Name: CARA MAHLER

Title: REGULATORY ANALYST Date: 5/12/2011 Email: CARA.MAHLER@ANADARKO.COM

Attachment Check List

| Att Doc Num | Document Name | attached ? |
|-----------------------------|-----------------------|---|
| <u>Attachment Checklist</u> | | |
| 400164176 | 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"/> |
| | Other | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| <u>Other Attachments</u> | | |
| 400161400 | FORM 5 SUBMITTED | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 400164132 | PDF-CBL 2ND RUN | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|--|--------------------------|
| Engineer | Requested CBL was received 10/20/11. CBL confirms TOC at 6800', which is 368' above the NBRR top per formation info. | 10/26/2011 7:31:30 AM |
| Engineer | Emailed Cara to get a CBL that verifies that the Niobrara formation is covered per COA on APD (remedial cement 200' above Niobrara minimum cement top of 6968'). | 10/4/2011 3:06:05 PM |

Total: 2 comment(s)