

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:

401375959

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 05-123-43807-00 County: WELD  
Well Name: BABCOCK Well Number: 13E-33HZ  
Location: QtrQtr: SENW Section: 4 Township: 2N Range: 67W Meridian: 6  
Footage at surface: Distance: 2138 feet Direction: FNL Distance: 2010 feet Direction: FWL  
As Drilled Latitude: 40.169184 As Drilled Longitude: -104.897213

GPS Data:  
Date of Measurement: 04/27/2017 PDOP Reading: 1.9 GPS Instrument Operator's Name: ROB WILSON

\*\* If directional footage at Top of Prod. Zone Dist.: 2337 feet Direction: FNL Dist.: 968 feet. Direction: FWL  
Sec: 4 Twp: 2N Rng: 67W  
\*\* If directional footage at Bottom Hole Dist.: 2122 feet Direction: FSL Dist.: 979 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) 04/19/2017 Date TD: 06/16/2017 Date Casing Set or D&A: 06/16/2017  
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 12279 TVD\*\* 7223 Plug Back Total Depth MD 12178 TVD\*\* 7225  
Elevations GR 4887 KB 4908 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	101	64	0	101	VISU
SURF	13+1/2	9+5/8	36	0	1,830	711	0	1,830	VISU
1ST	7+7/8	5+1/2	17	0	12,270	1,230	1,190	12,270	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	4,710				
SHANNON	4,750				
SHARON SPRINGS	7,327				
NIOBRARA	7,478				

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 7802' 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 ?	
<b>Attachment Checklist</b>			
401385878	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401385886	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
401385875	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"/>
<b>Other Attachments</b>			
401375959	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401385840	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401385845	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401385849	LAS-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401385857	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401385871	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 within 60 days of Date Rig Released, or prior to hydraulic stimulation per the dates provided on the related Form 5,5A, Operator will submit Form 17 reports.</p> <ul style="list-style-type: none"> <li>• Corrected the comments in the Drilling/Submit tab</li> <li>• Corrected the PBTVD per the directional data</li> </ul>	04/02/2018
Permit	<p>Corrected with operator concurrence the footage at Top of Prod. Zone from 2287 FNL 974 FWL 4-2N-67W to 2337 FNL 968 FWL 4-2N-67W                      Changed Logs Run to CBL, MWD/GR, (CNL in 05-123-43809, RESISTIVITY in 05-123-19671)                      In Submit tab, revised 'The Top of Productive Zone provided is an estimate based on the landing point at 7868 MD' to 'The Top of Productive Zone review is based on top perf at 7802 MD', Rule 371.p to Rule 317.p                      Operator: Shannon Top = 4750'</p>	02/21/2018

Total: 2 comment(s)