

**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:

401376086

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 05-123-43811-00 County: WELD
Well Name: BABCOCK Well Number: 32N-33HZ
Location: QtrQtr: SENW Section: 4 Township: 2N Range: 67W Meridian: 6
Footage at surface: Distance: 2138 feet Direction: FNL Distance: 1950 feet Direction: FWL
As Drilled Latitude: 40.169186 As Drilled Longitude: -104.897426

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.: 2273 feet Direction: FNL Dist.: 255 feet Direction: FWLSec: 4 Twp: 2N Rng: 67W** If directional footage at Bottom Hole Dist.: 2124 feet Direction: FSL Dist.: 242 feet Direction: FWLSec: 33 Twp: 3N Rng: 67WField Name: WATTENBERG Field Number: 90750

Federal, Indian or State Lease Number: _____

Spud Date: (when the 1st bit hit the dirt) 04/15/2017 Date TD: 06/29/2017 Date Casing Set or D&A: 06/30/2017Rig Release Date: 07/01/2017 Per Rule 308A.b.

Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ ObservationTotal Depth MD 12378 TVD** 7241 Plug Back Total Depth MD 12276 TVD** 7246Elevations 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	92	64	0	92	VISU
SURF	13+1/2	9+5/8	36	0	1,854	724	0	1,854	VISU
1ST	7+7/8	5+1/2	20	0	12,369	1,240	1,226	12,369	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	4,277				
SHANNON	4,819				
SHARON SPRINGS	7,448				
NIOBRARA	7,574				

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 7,960' 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 ?			
<u>Attachment Checklist</u>					
401390143	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401390144	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
401390141	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>					
401376086	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401390125	LAS-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401390130	PDF-MWD/LWD	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401390132	LAS-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401390133	PDF-CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401390140	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	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. • Corrected the comments in the Drilling/Submit tab	04/02/2018
Permit	Changed footages at TPZ from 2206 FNL 251 FWL 4-2N-67W to 2273 FNL 255 FWL 4-2N-67W Changed Logs Run to CBL, MWD, (CNL in 123-43809, RESISTIVITY in 123-19671) In Submit tab, revised 'The Top of Productive Zone provided is an estimate based on the landing point at 8046 MD' to 'The Top of Productive Zone review is based on top perf at 7960 MD', changed Rule 371.p to Rule 317.p Per operator, updated Sussex to 4277' from 4831', added Shannon at 4819'	02/21/2018

Total: 2 comment(s)