

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:

401273516

Date Received:

05/17/2017

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 05-123-42993-00 County: WELD
Well Name: KEOWN STATE Well Number: 19N-34HZ
Location: QtrQtr: SWNW Section: 15 Township: 2N Range: 68W Meridian: 6
Footage at surface: Distance: 1799 feet Direction: FNL Distance: 837 feet Direction: FWL
As Drilled Latitude: 40.141189 As Drilled Longitude: -104.995739

GPS Data:
Date of Measurement: 05/11/2017 PDOP Reading: 1.8 GPS Instrument Operator's Name: JASON CURNUTT

** If directional footage at Top of Prod. Zone Dist.: 1096 feet Direction: FNL Dist.: 1061 feet. Direction: FWL
Sec: 15 Twp: 2N Rng: 68W

** If directional footage at Bottom Hole Dist.: 1430 feet Direction: FSL Dist.: 1134 feet. Direction: FWL
Sec: 34 Twp: 3N Rng: 68W

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

Spud Date: (when the 1st bit hit the dirt) 02/04/2017 Date TD: 03/08/2017 Date Casing Set or D&A: 03/10/2017
Rig Release Date: 03/20/2017 Per Rule 308A.b.

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

Total Depth MD 20750 TVD** 7078 Plug Back Total Depth MD 20642 TVD** 7078

Elevations GR 4872 KB 4902 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:
CBL, MWD, (RESISTIVITY in 123-42991)

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	42.1	0	110	64	0	110	VISU
SURF	13+1/2	9+5/8	36	0	2,345	914	0	2,345	VISU
1ST	8+1/2	5+1/2	20	0	20,736	2,870	0	20,736	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	4,503				
SHANNON	4,757				
SHARON SPRINGS	7,131				
NIOBRARA	7,285				

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-open hole resistivity logs were run on the KEOWN STATE 33N-34HZ well (123-42991).

The top of productive zone provided is an estimate based on the landing point at 7811' MD.

Completion is estimated for Q3, 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 Specialist Date: 5/17/2017 Email: jennifer.thomas@anadarko.com

Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
401273785	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401278668	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
401273784	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>			
401273516	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401273765	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401273768	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401273769	LAS-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401273773	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401273782	PDF-CASING EVALUATION TOOL	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401273783	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	Form 17 missing for the bradenhead test required per COA within 60 days of rig release. Waiting on a response from the Operator. All required wells were remediated per the COA on the Form 2/4. All else ready to pass upon clarification of the missing bradenhead test(Form 17-within 60 days of rig release); The Form 17#401499901 was submitted and approved(1/3/2018) <ul style="list-style-type: none"> • Corrected the comments in the Drilling/Submit tab • Added the Shannon top provided by the Operator • Corrected the "Cement Top" for the first string from 30' to 0' per the Cement Bond Log 	12/11/2017
Permit	Changed Logs Run to CBL, MWD, (RESISTIVITY in 123-42991) RESISTIVITY in 123-42991 was run as a BMP, not as a 317.p Exception Changed 'Rule 371.p' to Rule 317.p in Submit tab Corrected the footage at Top of Prod. Zone from 997 FNL 1060 FWL 15-2N-68W to 1096 FNL 1061 FWL 15-2N-68W Operator confirms TPZ footages	10/16/2017

Total: 2 comment(s)