

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:

401852385

Date Received:

11/30/2018

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: CRYSTAL MCCLAIN  
Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 9294398  
Address: P O BOX 173779 Fax:  
City: DENVER State: CO Zip: 80217-

API Number 05-123-47350-00 County: WELD  
Well Name: PETTINGER Well Number: 18-4HZ  
Location: QtrQtr: SWSE Section: 18 Township: 1N Range: 65W Meridian: 6  
Footage at surface: Distance: 978 feet Direction: FSL Distance: 1791 feet Direction: FEL  
As Drilled Latitude: 40.046849 As Drilled Longitude: -104.703467

GPS Data:  
Date of Measurement: 11/29/2018 PDOP Reading: 1.3 GPS Instrument Operator's Name: CHAD GARDNER

\*\* If directional footage at Top of Prod. Zone Dist.: 160 feet Direction: FNL Dist.: 765 feet. Direction: FEL  
Sec: 19 Twp: 1N Rng: 65W

\*\* If directional footage at Bottom Hole Dist.: 51 feet Direction: FSL Dist.: 672 feet. Direction: FEL  
Sec: 19 Twp: 1N Rng: 65W

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

Spud Date: (when the 1st bit hit the dirt) 08/23/2018 Date TD: 09/16/2018 Date Casing Set or D&A: 09/17/2018  
Rig Release Date: 09/28/2018 Per Rule 308A.b.

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

Total Depth MD 12986 TVD\*\* 7247 Plug Back Total Depth MD 12977 TVD\*\* 7248

Elevations GR 4996 KB 5017 Digital Copies of ALL Logs must be Attached per Rule 308A

List Electric Logs Run:  
CBL, MWD/LWD. (RES in API 123-47352).

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	1,837	745	0	1,837	VISU
1ST	7+7/8	5+1/2	17	0	12,981	1,170	2,186	12,986	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	
FOX HILLS	1,609				
PARKMAN	4,324				
SUSSEX	4,651				
SHARON SPRINGS	7,173				
NIOBRARA	7,206				

#### 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, Open Hole Resistivity Logs have been run on the Pettinger 18-2HZ Well (API 123-47352).  
The Top of Productive Zone provided is an estimate based on the landing point at 7600' MD.  
Completion is estimated for Q1 2019.

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

Signed: \_\_\_\_\_ Print Name: CRYSTAL MCCLAIN

Title: REGULATORY ANALYST Date: 11/30/2018 Email: CRYSTAL.MCCLAIN@ANADARKO.COM

### Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
401854708	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401854709	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
401854710	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>			
401852385	DRILLING COMPLETION REPORT	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401854693	LAS-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401854695	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401854697	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401854699	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401854712	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402057550	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	Corrected 1st string setting depth per cement job summary (doc #401854709) Corrected 1st string casing cement top per CBL Corrected 1st string cement bottom to TD per directional survey Horizontal offset mitigation review complete	05/29/2019
Permit	Changed TPZ to match comment on 5A Submit.	05/17/2019

Total: 2 comment(s)

