

FORM  
5Rev  
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:

401449064

Date Received:

11/03/2017

## 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: 10459 Contact Name: Kamrin Ruder  
 Name of Operator: EXTRACTION OIL & GAS INC Phone: (720) 9747743  
 Address: 370 17TH STREET SUITE 5300 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202

API Number 05-123-44771-00 County: WELD  
 Well Name: HFE Well Number: 8  
 Location: QtrQtr: SWSW Section: 22 Township: 4N Range: 68W Meridian: 6  
 Footage at surface: Distance: 1125 feet Direction: FSL Distance: 1075 feet Direction: FWL  
 As Drilled Latitude: 40.294723 As Drilled Longitude: -104.994906

## GPS Data:

Date of Measurement: 09/12/2017 PDOP Reading: 1.7 GPS Instrument Operator's Name: Dominick Davis\*\* If directional footage at Top of Prod. Zone Dist.: 1844 feet Direction: FSL Dist.: 527 feet Direction: FWLSec: 22 Twp: 4N Rng: 68W\*\* If directional footage at Bottom Hole Dist.: 1850 feet Direction: FSL Dist.: 508 feet Direction: FELSec: 22 Twp: 4N Rng: 68WField Name: WATTENBERG Field Number: 90750

Federal, Indian or State Lease Number: \_\_\_\_\_

Spud Date: (when the 1st bit hit the dirt) 07/23/2017 Date TD: 08/20/2017 Date Casing Set or D&A: 08/20/2017Rig Release Date: 09/04/2017 Per Rule 308A.b.

## Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ ObservationTotal Depth MD 11775 TVD\*\* 7051 Plug Back Total Depth MD 11743 TVD\*\* 7051Elevations GR 4918 KB 4946 Digital Copies of ALL Logs must be Attached per Rule 308A ☒

## List Electric Logs Run:

CBL, Mud, MWD, (Triple Combo on 123-44774)

## 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	24	16	42	0	80	100	0	80	VISU
SURF	12+1/4	9+5/8	36	0	1,544	550	0	1,544	VISU
1ST	8+1/2	5+1/2	20	0	11,745	1,950	582	11,745	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	
PARKMAN	3,250		NO	NO	
SUSSEX	3,880		NO	NO	
SHANNON	4,317		NO	NO	
SHARON SPRINGS	6,988		NO	NO	
NIOBRARA	7,076		NO	NO	

#### Operator Comments

The TPZ footages are estimates calculated through Directional Plotting Software—from where the production string (5 ½" casing) crosses the 460' setback hardline. The actual footages will be submitted with the Form 5A.

No Open-Hole Resistivity was run on this well. A Triple Combination log was run on the HFE 4; 123-44774.

The LAS version of the CBL is uploaded to show the vertical portion of GR.

There was an issue uploading the Production Cement Summary (PDF). It will be submitted via sundry.

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

Signed: \_\_\_\_\_ Print Name: Kamrin Ruder

Title: Drilling Technician Date: 11/3/2017 Email: kruder@extractionog.com

### Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
	CMT Summary *	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
401449084	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>					
401449064	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401449068	MWD/LWD_LAS	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401449073	MWD/LWD_PDF	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401449075	MUD_PDF	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401449079	CEMENT BOND_LAS	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401449080	CEMENT BOND_PDF	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401449083	CEMENT JOB SUMMARY_SURFACE	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401449085	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401454077	CEMENT JOB SUMMARY_PRODUCTION	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	<p>Required Form 17 reporting was not submitted per the COA on the related Form 2 requiring a bradenhead test within 60 days of rig release and 30 days of first production.</p> <p>Waiting on an updated CBL.PDF with updated channels to surface(currently @ 566'); Per the logging company(Weatherford) the wellbore must have been losing fluid and the tool was only able to capture data from ~566' to the kick off point.</p> <p>• Corrected the first string "Cement Top" from 1,010' to 582' per the Cement Bond Log; The "Cement Top" may be higher but the data provided is limited to ~580'.</p>	05/21/2018
Permit	<ul style="list-style-type: none"> <li>• "Date TD" corrected from 8/17/2017 to 8/20/2017 per Mud and MWD logs.</li> <li>• "Gamma Ray" log names corrected to "MWD".</li> <li>• Added comment "No open-hole Resistivity log was run on this well" to Submit tab.</li> <li>• Production string cement job summary received via Sundry 401454076 as doc 401454077.</li> <li>• First string "Setting Depth" and "Cement Btm" adjusted from 11,748' to 11,745' per cement job summary.</li> <li>• PBDT corrected from 11,748' to 11,743' per float collar.</li> <li>• First string "Sacks of Cement" corrected from 2025 to 1950 per cement job summary.</li> <li>• TPZ footage corrected from 460' FWL to 527' FWL per operator comment on Form 5A.</li> </ul>	03/23/2018

Total: 2 comment(s)