

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



DE ET OE ES

Document Number:

401472257

Date Received:

## DRILLING COMPLETION REPORT

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. If the well is deepened or sidetracked a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (Completed Interval Report.) If the well has been plugged, a form 6 (Well Abandonment Report) is required.

Completion Type ☒ Final completion ☐ Preliminary completion

OGCC Operator Number: 10459

Contact Name: Kamrin Ruder

Name of Operator: EXTRACTION OIL &amp; GAS INC

Phone: (720) 9747743

Address: 370 17TH STREET SUITE 5300

Fax:

City: DENVER

State: CO

Zip: 80202

API Number 05-123-45048-00

County: WELD

Well Name: Leonard

Well Number: 5C

Location: QtrQtr: NWSW Section: 21 Township: 2N Range: 67W Meridian: 6

Footage at surface: Distance: 1852 feet Direction: FSL Distance: 494 feet Direction: FWL

As Drilled Latitude: 40.121572 As Drilled Longitude: -104.903284

## GPS Data:

Date of Measurement: 10/13/2017 PDOP Reading: 1.6 GPS Instrument Operator's Name: Dominick Davis

\*\* If directional footage at Top of Prod. Zone Dist.: 1582 feet. Direction: FSL Dist.: 1924 feet. Direction: FWL

Sec: 21 Twp: 2N Rng: 67W

\*\* If directional footage at Bottom Hole Dist.: 1582 feet. Direction: FSL Dist.: 1924 feet. Direction: FWL

Sec: 21 Twp: 2N Rng: 67W

Field Name: WATTENBERG

Field Number: 90750

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 08/28/2017 Date TD: 09/19/2017 Date Casing Set or D&amp;A: 09/20/2017

Rig Release Date: 10/03/2017 Per Rule 308A.b.

## Well Classification:

☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

Total Depth MD 9053 TVD\*\* 7630 Plug Back Total Depth MD 8016 TVD\*\* 7594

Elevations GR 5003 KB 5031 Digital Copies of ALL Logs must be Attached per Rule 308A ☒

List Electric Logs Run:

MUD

## 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	1,564	550	0	1,564	VISU

## 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	4,155		NO	NO	
SUSSEX	4,524		NO	NO	
SHANNON	5,113		NO	NO	
SHARON SPRINGS	7,326		NO	NO	
NIOBRARA	7,421		NO	NO	
FORT HAYS	7,889		NO	NO	
CODELL	8,398		NO	NO	

Comment:

While drilling the curve on Leonard 5C, we believed our targets were coming in higher than expected so our landing target was raised 30'. After landing and drilling ahead we discovered our original target was correct and we had been out of zone the entire lateral. We believed we could pull back and sidetrack quickly to get in zone and stay there the entire lateral. We sidetracked at 8075' and changed targets to stay in zone.

API # - 05-123-4504800

Total MD Drilled – 9,053'

Surface Casing – 9-5/8" 36# set at 1,562'

Proposed Fish – None

Open hole sidetrack plan: Sidetrack at 8,075' and change targets to stay in zone.

Depth of Sidetrack- 8,075' MD

Objective formation of sidetrack – Codell

Proposed BHL – Sec 21 – TWP 2N 67W 1580 FSL 460 FEL (same as approved) Thanks and please call with any questions,

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: \_\_\_\_\_

Email: kruder@extractionog.com

### Attachment Check List

Att Doc Num	Document Name	attached ?	
<u>Attachment Checklist</u>			
401473123	CMT Summary *	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
401473122	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>			
401473118	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
401473124	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)