

**DRILLING COMPLETION REPORT**

Document Number:  
401244170

Date Received:

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 & GAS LLC Phone: (720) 9747743  
 Address: 370 17TH STREET SUITE 5300 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202

API Number 05-123-40739-00 County: WELD  
 Well Name: BURROUGHS SOUTH Well Number: 13  
 Location: QtrQtr: SENE Section: 14 Township: 7N Range: 65W Meridian: 6  
 Footage at surface: Distance: 2316 feet Direction: FNL Distance: 230 feet Direction: FEL  
 As Drilled Latitude: 40.574137 As Drilled Longitude: -104.621099

GPS Data:  
 Date of Measurement: 03/20/2017 PDOP Reading: 1.5 GPS Instrument Operator's Name: Dominick Davis

\*\* If directional footage at Top of Prod. Zone Dist.: 2646 feet. Direction: FNL Dist.: 460 feet. Direction: FWL  
 Sec: 15 Twp: 7N Rng: 65W

\*\* If directional footage at Bottom Hole Dist.: 2646 feet. Direction: FNL Dist.: 460 feet. Direction: FWL  
 Sec: 15 Twp: 7N Rng: 65W

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

Spud Date: (when the 1st bit hit the dirt) 10/20/2016 Date TD: 01/03/2017 Date Casing Set or D&A: 01/03/2017  
 Rig Release Date: 02/02/2017 Per Rule 308A.b.

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

Total Depth MD 11040 TVD\*\* 7316 Plug Back Total Depth MD 7600 TVD\*\* 7260  
 Elevations GR 4945 KB 4973 **Digital Copies of ALL Logs must be Attached per Rule 308A**

List Electric Logs Run:  
ALL LOGS RAN ON BURROUGHS SOUTH 13 ARE ATTACHED TO THE SIDETRACK FORM 5

**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	1,553	550	0	1,553	VISU
OPEN HOLE	7+7/8			0	11,040				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	3,954		NO	NO	
SUSSEX	4,520		NO	NO	
SHANNON	5,289		NO	NO	
SHARON SPRINGS	7,045		NO	NO	
NIOBRARA	7,086		NO	NO	
FORT HAYS	7,640		NO	NO	
CODELL	8,644		NO	NO	

Comment:

We drilled the Burroughs South 13 and had substantial differences between seismic and what was really transpiring on location. This caused the well bore to be in the Fort Hays for much longer than we would have liked and were whipping out bits trying to recover. We crossed one fault to this point and we got Carlisle back in the samples, before doing any more damage we would like to pull back and recover by sidetracking.  
 Pulled back to 7,600" to sidetrack and adjust for the fault and knowing the dip angles we can keep the wellbore in zone.  
 API # - 05-123-40739-00  
 Total MD Drilled – 11,175'  
 Surface Casing – 9-5/8" 36# set at 1572'  
 Proposed Fish – None  
 Open hole sidetrack plan: Side track at 7,600' and change targets to Carlisle and stay in zone.  
 Depth of Sidetrack- 7,600' MD  
 Objective formation of sidetrack – Codell (same as APD)  
 Proposed BHL – Sec 15 – TWP 7N 65W 2646 FNL 460 FWL (same as approved sundry)  
 Email approval given by Diana Burn (1/2/2017)

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>		
	CMT Summary *	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
401245570	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 type="checkbox"/> No <input checked="" type="checkbox"/>
	Other	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
<u>Other Attachments</u>		
401245567	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)