

**FORM**  
**5**Rev  
02/20**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:

402316470

Date Received:

02/28/2020

**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/or 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 &amp; GAS INC

Phone: (720) 9747743

Address: 370 17TH STREET SUITE 5300

Fax:

City: DENVER

State: CO

Zip: 80202

Email: kruder@extractionog.com

API Number 05-014-20791-00

County: BROOMFIELD

Well Name: NORTHWEST A

Well Number: S20-25-8C

Location: QtrQtr: NWNW Section: 9 Township: 1S Range: 68W Meridian: 6  
FNL/FSL FEL/FWL

Footage at surface: Distance: 1297 feet Direction: FNL Distance: 779 feet Direction: FWL

As Drilled Latitude: 39.983137 As Drilled Longitude: -105.013042

GPS Data: GPS Quality Value: 1.5 Type of GPS Quality Value: PDOP Date of Measurement: 10/03/2019

GPS Instrument Operator's Name: DANIEL SULLIVAN

FNL/FSL

FEL/FWL

\*\* If directional footage at Top of Prod. Zone Dist: 480 feet Direction: FNL Dist: 2076 feet Direction: FWL  
Sec: 8 Twp: 1S Rng: 68W\*\* If directional footage at Bottom Hole Dist: 2148 feet Direction: FNL Dist: 1990 feet Direction: FWL  
Sec: 20 Twp: 1S Rng: 68W

Field Name: DJ HORIZONTAL CODELL

Field Number: 16948

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 09/02/2019 Date TD: 11/25/2019 Date Casing Set or D&amp;A: 11/27/2019

Rig Release Date: 01/11/2020 Per Rule 308A.b.

Well Classification:

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

Total Depth MD 22210 TVD\*\* 8284 Plug Back Total Depth MD 22200 TVD\*\* 8284

Elevations GR 5314 KB 5343

Digital Copies of ALL Logs must be Attached per Rule 308A ☒

List Electric Logs Run:

CBL, Mud Log, MWD/LWD, (Resistivity on 014-20789).

**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	1,633	625	0	1,653	VISU
1ST	8+1/2	5+1/2	20	0	22,200	3,670	60	22,210	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	5,579		NO	NO	
SUSSEX	6,098		NO	NO	
SHANNON	6,826		NO	NO	
SHARON SPRINGS	9,243		NO	NO	
NIOBRARA	9,262		NO	NO	
FORT HAYS	9,773		NO	NO	
CODELL	9,822		NO	NO	
CARLILE	9,910		NO	NO	

**Operator Comments:**

The TPZ footages are estimates calculated through Directional Plotting Software—from where the production string (5 ½" casing) crosses the setback hardline. The actual footages will be submitted with the Form 5A.  
Alternative Logging Program-No open hole Resistivity log with Gamma Ray was run on this well per rule 317.p.  
A Resistivity log was run on the Northwest A S20-25-11C (014-20789).

**Additional Formation Tops:**

Niobrara:  
15050-15076  
Fort Hays:  
15005-15050  
5076-15275  
Carlile:  
9910-10462  
11278-11356  
11546-11695  
12236-12630  
17750-18073

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

**Attachment Check List**

Att Doc Num	Document Name	attached ?	
<b><u>Attachment Checklist</u></b>			
	CMT Summary *	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	Core Analysis	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
402324409	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"/>
<b><u>Other Attachments</u></b>			
402316470	FORM 5 SUBMITTED	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402317163	PDF-CEMENT BOND	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402317176	PDF-MUD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402324389	LAS-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402324392	PDF-MWD/LWD	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402324405	DIRECTIONAL DATA	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402324407	CEMENT JOB SUMMARY_SURFACE	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
402324408	CEMENT JOB SUMMARY_PRODUCTION	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Engineering Tech	Corrected field name Corrected list all electric logs run abbreviation Corrected surface string cement bottom per attached cement job summary Corrected 1st string cement bottom per attached cement job summary and directional survey Passed engineering review	09/09/2020
Permit	• TPZ footages estimated; BHL footages ok.	08/18/2020

Total: 2 comment(s)

