

FORM  
5Rev  
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:

401551687

Date Received:

02/19/2020

## 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: 10661

Contact Name: Elizabeth Kane

Name of Operator: BISON OIL &amp; GAS II LLC

Phone: (720) 644-6997

Address: 518 17TH STREET #1800

Fax:

City: DENVER

State: CO

Zip: 80202

Email: ekane@bisonog.com

API Number 05-123-45962-00

County: WELD

Well Name: De Ford

Well Number: 1 Intercept

Location: QtrQtr: NESE

Section: 19

Township: 8N

Range: 59W

Meridian: 6

FNL/FSL

FEL/FWL

Footage at surface: Distance: 2339 feet

Direction: FSL

Distance: 980 feet

Direction: FEL

As Drilled Latitude: 40.646963

As Drilled Longitude: -104.014001

GPS Data: GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP

Date of Measurement: 03/08/2018

GPS Instrument Operator's Name: Loren Shanks

FNL/FSL

FEL/FWL

\*\* If directional footage at Top of Prod. Zone

Dist: 2302 feet

Direction: FSL

Dist: 933 feet

Direction: FEL

Sec: 19

Twp: 8N

Rng: 59W

FNL/FSL

FEL/FWL

\*\* If directional footage at Bottom Hole

Dist: 2302 feet

Direction: FSL

Dist: 933 feet

Direction: FEL

Sec: 19

Twp: 8N

Rng: 59W

Field Name: WILDCAT

Field Number: 99999

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 11/23/2017

Date TD: 11/29/2017

Date Casing Set or D&amp;A: 11/23/2017

Rig Release Date: 11/30/2017 Per Rule 308A.b.

Well Classification:

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

Total Depth MD 390

TVD\*\* 379

Plug Back Total Depth MD 390

TVD\*\* 379

Elevations GR 4833

KB 4842

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



List Electric Logs Run:

## 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
SURF	22	8+5/8	24	0	150	432	0	155	VISU
OPEN HOLE	4+3/4		0	150	390				

## STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: \_\_\_\_\_

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
	OPEN HOLE	390	101	0	390

Details of work:

Cement plug

## 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	

Operator Comments:

This well was drilled to the Condition of Approval listed on the Castor 8-59 19-24-12 Well API 05-123-45842, on November 17, 2017, Bison Oil & Gas II, LLC (Bison) moved a rig to the De Ford #1 API 05-123-05533, a well previously drilled and abandoned in 1955, to re-enter and properly isolate the Codell, Niobrara, and fresh water zones. Due to multiple issues, Bison proposed to intersect the De Ford #1 below the surface casing and cement (approximately 250' TVD) from this new well drilled 9' west of the De Ford #1. Bison attempted to use this re-entry as a method to properly isolate the Codell, Niobrara, and fresh water zones prior to hydraulically fracturing the horizontal well within 1500' of the De Ford #1. Please note that surface hole location was listed for footages at the top of the production zone and bottom hole.

Directional survey PDF not available.

Cement plugs detailed on Form 6 SR Doc # 401551725

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

Signed: \_\_\_\_\_

Print Name: Ariana Solis

Title: Regulatory Analyst

Date: 2/19/2020

Email: asolis@bisonog.com

## Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
401577355	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Directional Survey **	Yes	<input type="checkbox"/>	No	<input checked="" 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>					
2138465	Wellbore Diagram - Proposed	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
2138466	Daily Operations Summary	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
2138467	Cement Ticket	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401551687	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
401577224	DIRECTIONAL DATA	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineering Tech	Operator submitted all relevant documentation available regarding this well via email. Corrected OH csg top & csg setting depth Moved OH cement information to Remedial Cement Tab as an OH Plug.	08/25/2022
Engineering Tech	Corrected OH setting depth per TD MD. Attached CJS does not confirm sks of cement. No CJS provided for OH cement plug reported on WBD doc #401577288. Emailed operator requesting 3rd party tickets.	07/26/2022
Permit	-Corrected the date of casing set as per operator -NOTE: Operator confirmed that no directional survey PDF or cement job summary for casing set at 150' is available. -Passed Permit Review	06/09/2021
Permit	-Updated the location of the BHL and TPZ as per the operator -Confirmed the TD with the operator -Confirmed with the operator that there's no PDF of the directional surveys	06/08/2021
Permit	-Confirmed that no directional drilling PDF is available -Requesting cement job summary for casing set at 150' -Confirming the TD of the well, form 5 has TD at 395' but the last survey is 390' -Confirming the location of the BHL	05/18/2021
Engineer	<ul style="list-style-type: none"> <li>• Missing directional survey.pdf attachment.</li> <li>• Surface casing not cemented? Cement quantity indicated as zero on surface casing line.</li> <li>• No cement plugs? Cement quantity indicated as zero on open hole line.</li> <li>• No cement job summaries for surface casing or any plugs.</li> </ul>	12/04/2018

Total: 6 comment(s)