

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:

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 & 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&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 ?	
Attachment Checklist			
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"/>
Other Attachments			
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"> • Missing directional survey.pdf attachment. • Surface casing not cemented? Cement quantity indicated as zero on surface casing line. • No cement plugs? Cement quantity indicated as zero on open hole line. • No cement job summaries for surface casing or any plugs. 	12/04/2018

Total: 6 comment(s)