

FORM
6
Rev
11/20

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
----	----	----	----

Replug By Other Operator

Document Number:
402907681
Date Received:
12/22/2021

WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set. A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 10661 Contact Name: Jake Van Bramer
Name of Operator: BISON OIL & GAS II LLC Phone: (303) 808-2280
Address: 518 17TH STREET #1800 Fax: _____
City: DENVER State: CO Zip: 80202 Email: jvanbramer@bisonog.com

For "Intent" 24 hour notice required, Name: Petrie, Erica Tel: (303) 726-3822
COGCC contact: Email: erica.petrie@state.co.us

Type of Well Abandonment Report: Notice of Intent to Abandon Subsequent Report of Abandonment

API Number 05-123-12137-00
Well Name: MCDERMOTT Well Number: 1-14
Location: QtrQtr: NWSE Section: 14 Township: 9N Range: 58W Meridian: 6
County: WELD Federal, Indian or State Lease Number: _____
Field Name: NAY RANCH Field Number: 57120

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.749143 Longitude: -103.828961
GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 12/08/2021
Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other offset well remediation
Casing to be pulled: Yes No Estimated Depth: _____
Fish in Hole: Yes No If yes, explain details below
Wellbore has Uncemented Casing leaks: Yes No If yes, explain details below
Details: _____

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
NIOBRARA	5522	5528	03/28/1988	CEMENT	5528

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	9+5/8	Unk	43	0	183	170	183	0	VISU
1ST	7+7/8	4+1/2	Unk	10.5	4852	5606	90	5606	5028	CBL
OPEN HOLE	7+7/8				183	4852				

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ sacks cmt on top. CIBP #2: Depth _____ with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIBP #4: Depth _____ with _____ sacks cmt on top.
CIBP #5: Depth _____ with _____ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 20 sks cmt from 5528 ft. to 5343 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 15 sks cmt from 5343 ft. to 5143 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 60 sks cmt from 1650 ft. to 1500 ft. Plug Type: OPEN HOLE Plug Tagged:
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:
Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
(Cast Iron Cement Retainer Depth)
Set 191 sacks half in. half out surface casing from 475 ft. to 0 ft. Plug Tagged:
Set _____ sacks at surface
Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: Yes No
Set _____ sacks in rat hole Set _____ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____
Surface Plug Setting Date: _____ Cut and Cap Date: _____
*Wireline Contractor: _____ *Cementing Contractor: _____
Type of Cement and Additives Used: _____
Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Operator proposes to tag existing Nio plug at 5343'. If plug is deeper than 5365', Operator will contact COGCC Engineer to discuss setting additional cement for Nio coverage.

Purpose is to re-enter and adequately re-plug prior to hydraulic stimulation of proposed horizontal well per DJ Basin Offset Policy, dated December 16, 2013.

Closed loop system will be used.

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

Signed: _____ Print Name: Lauren Morahan
Title: Regulatory Manager Date: 12/22/2021 Email: lmorahan@bisonog.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Wolfe, Stephen Date: 1/26/2022

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 7/25/2022

Condition of Approval

COA Type

Description

	<p>Plugging</p> <ol style="list-style-type: none"> 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Contact COGCC Area Inspector prior to commencing plugging operations. 3) Plugs and squeezes will be placed as stated in the Plugging Procedure section of the approved NOIA unless revised by COA or prior approval from COGCC is obtained. 4) The wellbore must be static prior to placing cement plugs which are to be a minimum of 100' in length for all but surface plugs. Mechanical isolation requires a 25' cement plug, minimum. For plugs not specified to be tagged, a tag is required if circulation is not maintained while pumping plug and displacing to depth. Tag at tops specified or shallower. Notify COGCC Area Engineer before adding cement to previous plug. 5) Place a 50' plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. Surface plugs shall be circulated to surface. Confirm cement to surface in all strings during cut and cap. 6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed. 7) Plug #1(5528-5343) is an existing plug and will remain in the well. Tag Plug #1 and verify depth. 8) Pump Plug #2, 15 sx at 5343-5143' assuming Plug #1 is tagged at 5343' +/- . If Plug #1 is not found then tag is required after Plug #2 is placed with a minimum of 100' of cement remaining in the casing. 9) After placing the shallowest hydrocarbon isolating plug(Plug #2), operator must wait a sufficient time on all subsequent plugs to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC Area Engineer before continuing operations. 10) Pump Plug #3, 60 sx at 1650-1500', WOC and tag at 1550' or shallower. 110) Increase Plug #4 to 475-0', adjust cement volume accordingly. Plug #4 is intended to circulate to the surface and stay there. If this is not the case then a tag is required at 133' or shallower. Contact COGCC Area Engineer before adding cement.
	Operator will implement measures to capture, combust, or control emissions to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public health, welfare and the environment.

2 COAs

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402907681	FORM 6 INTENT SUBMITTED
402907714	SURFACE OWNER CONSENT
402907715	LOCATION PHOTO
402907716	WELLBORE DIAGRAM
402907717	PROPOSED PLUGGING PROCEDURE
402907718	WELLBORE DIAGRAM

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater: L-FH, Upper Pierre GR 4637' Deepest Water Well: 320'(1mi,4685)=272', 1000'(2mi,9 wells,4638')=999' Log: 123-05661 7/7/89 GR 4625' 4637-4625=+12 L-FH Transition base 400'=412' UP 650'-1545'=662-1557'	01/26/2022
Permit	-Surface hole location data has been updated -Perfs verified by Doc# 259723 -No Production reports to verified -Passed Permit Review	01/06/2022

Total: 2 comment(s)