

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.

Document Number:
402106385

Date Received:
07/23/2019

OGCC Operator Number: 10661 Contact Name: Elizabeth Wilson

Name of Operator: BISON OIL & GAS II LLC Phone: (720) 6446997

Address: 518 17TH STREET #1800 Fax: _____

City: DENVER State: CO Zip: 80202 Email: ewilson@bisonog.com

For "Intent" 24 hour notice required, Name: Evins, Bret Tel: (970) 420-6699

COGCC contact: Email: bret.evins@state.co.us

API Number 05-123-05518-00 Well Number: 1

Well Name: DOTY-FEDERAL

Location: QtrQtr: NWNW Section: 27 Township: 8N Range: 60W Meridian: 6

County: WELD Federal, Indian or State Lease Number: _____

Field Name: CROW Field Number: 13600

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.638725 Longitude: -104.084859

GPS Data:
Date of Measurement: 03/01/2019 PDOP Reading: 1.6 GPS Instrument Operator's Name: RYAN WILLIAMS

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other Interim Statewide Horizontal Offset Policy- COA

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
D SAND	6876	6906	09/03/1969	CEMENT	6740

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
SURF	12+1/4	10+3/4	36	210	125	210	0	
1ST	7+7/8	5+1/2	15	7,050	175	7,050	0	

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 206 sks cmt from 6523 ft. to 5963 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 40 sks cmt from 5800 ft. to 5700 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 40 sks cmt from 1700 ft. to 1600 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 231 sacks half in. half out surface casing from 523 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. _____ inch casing Plugging Date: _____
of _____
*Wireline Contractor: _____ *Cementing Contractor: _____
Type of Cement and Additives Used: _____
Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

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.

See attached Operations Summary for Re-entry and Re-plugging procedures.

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: 7/23/2019 Email: asolis@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: SUTPHIN, DIRK Date: 9/3/2019

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 3/2/2020

COA Type

Description

	Include as-drilled GPS on form 6 subsequent.
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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402106385	FORM 6 INTENT SUBMITTED
402106516	LOCATION PHOTO
402106523	OPERATIONS SUMMARY
402106527	WELLBORE DIAGRAM
402118397	SURFACE OWNER CONSENT

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Added plug at 1700' (base of Upper Pierre aquifer 1500' on SP-Resistivity log of offset well 123-05519).	09/03/2019
Engineer	1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Tag existing 35 sk plug that was set at 5800' at casing stub. See staff comment. Set 40 sks cement on top of the existing plug. Top of plug must be 100' above casing stub (5800-100=5700'). If existing conditions are different contact COGCC engineering for modified plugging orders. 3) Shoe plug: Tag plug 50' above surface casing shoe, if cement does not circulate to surface as proposed, and cement from 50' to surface. 4) With the Form 6 SRA operator must provide written documentation which positively affirms each COA from the approved Notice of Intent to Abandon has been addressed.	09/03/2019
Engineer	1969 plugging record (Sundry Notice doc #249276) indicates casing was cut at 5800' and 35 sks cement was placed there. If true this would impact the plug proposed (206 sks at 6523' - 5963'.	09/03/2019
Permit	-Confirmed productive interval. -Reviewed docs. -Pass	07/24/2019

Total: 4 comment(s)