

Document Number:
401924912

Date Received:
02/11/2019

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: 10670 Contact Name: Erin Mathews

Name of Operator: MALLARD EXPLORATION LLC Phone: (720) 543-7959

Address: 1400 16TH STREET SUITE 300 Fax: _____

City: DENVER State: CO Zip: 80202 Email: emathews@mallardexploration.com

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

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

API Number 05-123-14059-00 Well Number: 0

Well Name: STANLEY

Location: QtrQtr: SWSE Section: 22 Township: 8N Range: 60W Meridian: 6

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

Field Name: WILDCAT Field Number: 99999

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.642355 Longitude: -104.073912

GPS Data:
Date of Measurement: _____ PDOP Reading: _____ GPS Instrument Operator's Name: _____

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other WBI-related re-entry P&A

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: WBI-related re-entry ahead of Mallard's Green Teal frac

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
D SAND	6810	6815			
J SAND	6905	6906			
Total: 2 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	8+5/8	24	180	120	180	0	VISU
1ST	7+7/8	4+1/2	11.6/10.5	6,942	250	6,942	6,070	CBL

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 86 sks cmt from 5800 ft. to 6007 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:
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 195 sacks half in. half out surface casing from 500 ft. to 0 ft. Plug Tagged:
Set 10 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:

WBI-related re-entry ahead of Mallard's Green Teal frac.

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

Signed: _____ Print Name: Erin Mathews
Title: VP of Development Date: 2/11/2019 Email: emathews@mallardexploration.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: 2/13/2019

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 8/12/2019

COA Type	Description
	<p>Plugging:</p> <ol style="list-style-type: none"> 1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Tag following plugs: 6007-5800', 1700-1600', 500'-0. 3) Surface plug: Cement from 50' to surface. <p>Venting during plugging: Operator shall implement measures to control venting, 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 welfare.</p>

Attachment Check List

Att Doc Num	Name
401924912	FORM 6 INTENT SUBMITTED
401924925	WELLBORE DIAGRAM
401924927	WELLBORE DIAGRAM
401924928	PROPOSED PLUGGING PROCEDURE
401934552	SURFACE OWNER CONSENT
401934553	LOCATION PHOTO

Total Attach: 6 Files

General Comments

User Group	Comment	Comment Date
Engineer	Added plug at 1700' to isolate below U. Pierre potential aquifer zone on Induction log 840-1470'.	02/13/2019
Permit	Pass	02/11/2019
Agency	Returned to draft. Missing photos from 4 directions and surface owner consent.	01/31/2019

Total: 3 comment(s)