

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:
 402793437
 Date Received:
 08/26/2021

OGCC Operator Number: 10670 Contact Name: Carl Enright
 Name of Operator: MALLARD EXPLORATION LLC Phone: (720) 543-7967
 Address: 1400 16TH STREET SUITE 300 Fax: _____
 City: DENVER State: CO Zip: 80202 Email: cenright@mallardexploration.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 05-123-06118-00
 Well Name: HILZER Well Number: 1
 Location: QtrQtr: NWSE Section: 28 Township: 8N Range: 60W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: CROW Field Number: 13600

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.631480 Longitude: -104.094690
 GPS Data: GPS Quality Value: 1.2 Type of GPS Quality Value: PDOP Date of Measurement: 08/20/2021

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Re-entry P&A offset to HZ development

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

Total: 0 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	8+5/8	J55	24	0	77	70	77	0	VISU
OPEN HOLE	7+7/8				77	7044				

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 70 sks cmt from 6220 ft. to 6020 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 70 sks cmt from 2000 ft. to 1800 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 220 sacks half in. half out surface casing from 600 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:

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

Signed: _____ Print Name: Taylor Heffner
Title: Mallard Contractor Date: 8/26/2021 Email: theffner@phxresources.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: 10/8/2021

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 4/7/2022

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) After placing the shallowest hydrocarbon isolating plug (6220-6020'), 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. 8) Increase the shoe plug to 600-0', adjust cement volume accordingly. Tag required if cement does not circulate to surface, contact COGCC Area Engineer.
	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

Att Doc Num

Name

402793437	FORM 6 INTENT SUBMITTED
402793451	SURFACE OWNER CONSENT
402793452	WELLBORE DIAGRAM
402793453	WELLBORE DIAGRAM
402793454	LOCATION PHOTO

Total Attach: 5 Files

General Comments

User Group

Comment

Comment Date

Engineer	Groundwater: Laramie Fox-Hills, Upper Pierre Deepest Water Well: 420(2mi)+4926-4966+50=430' Log: 123-06118-00 1/21/1983 GR 4926 L-FH base 549' UPA 854-1554'	10/08/2021
Permit	-Confirmed as-drilled well location. -No other forms in process. -Reviewed attachments. -Pass.	09/01/2021

Total: 2 comment(s)