

**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:  
403136053

Date Received:  
08/15/2022

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 05-123-09382-00

Well Name: STATE-PALACE Well Number: 1

Location: QtrQtr: NWSE Section: 36 Township: 8N Range: 60W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 76/1091-S

Field Name: WILDCAT Field Number: 99999

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.616965 Longitude: -104.037700

GPS Data: GPS Quality Value: 1.4 Type of GPS Quality Value: PDOP Date of Measurement: 07/20/2022

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems

Other Offset to upcoming 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	214	200	214	0	VISU
OPEN HOLE	7+7/8				0	6990				

## 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 6800 ft. to 6600 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 70 sks cmt from 6130 ft. to 5930 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 70 sks cmt from 2500 ft. to 2300 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 202 sacks half in. half out surface casing from 550 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:

Mallard and CO State Land Board request expedited approval so that this re-entry can be performed ahead of Pronghorn wildlife stip.

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: 8/15/2022 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: 9/13/2022

#### CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 3/12/2023

## Condition of Approval

### COA Type

### Description

	<p>Plugging</p> <p>1) Provide electronic Form 42 Notice of MIRU 2 business days ahead of operations and electronic Form 42 Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations.</p> <p>2) Contact COGCC Area Inspector prior to commencing plugging operations.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>7) Plugging procedure section has been modified as follows,          Plug #1 - 6800-6600', 70 sx open hole plug          Plug #2 - 6130-5930', 70 sx open hole plug, WOC and tag          Plug #3 - 2500-2300', 70 sx open hole plug          Plug #4 - 550-0', perf and pump 202 sx of cement, WOC and tag if cement does not circulate to surface and remain there.          Plug #5 - See COA #5 if necessary.</p>
1 COA	

## Attachment List

### Att Doc Num

### Name

403136053	FORM 6 INTENT SUBMITTED
403136075	SURFACE OWNER CONSENT
403136132	LOCATION PHOTO
403136133	WELLBORE DIAGRAM
403136135	WELLBORE DIAGRAM

Total Attach: 5 Files

## General Comments

### User Group

### Comment

### Comment Date

Engineer	Groundwater: Laramie-Fox Hills, Upper Pierre Deepest water well: 450' Log: 123-09382 1/21/78 GR 4938 L-FH base 410, UP 710-1480	09/13/2022
OGLA	OGLA review complete.	08/29/2022
OGLA	Well is in a CPW mapped Pronghorn Winter Concentration Area High Priority Habitat. Although plugging and abandonment operations with heavy equipment will be allowed, the operator is strongly encouraged to avoid them from January 1 through April 30.	08/29/2022
Permit	Verified SHL lat./long No production or zone data to review Passed Permit Review	08/19/2022

Total: 4 comment(s)