

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:
403135384

Date Received:

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 05-123-21753-00

Well Name: ROTH Well Number: 12-2

Location: QtrQtr: NWNE Section: 12 Township: 7N Range: 60W Meridian: 6

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

Field Name: CARETAKER Field Number: 10225

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.594464 Longitude: -104.038216

GPS Data: GPS Quality Value: 2.0 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 | 408 | 275 | 408 | 0 | VISU |
| OPEN HOLE | 7+7/8 | | | | 0 | 6899 | | | | |

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 6125 ft. to 5925 ft. Plug Type: OPEN HOLE Plug Tagged:
 Set 70 sks cmt from 2500 ft. to 2200 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 194 sacks half in. half out surface casing from 550 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. 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:

Note: 40 sack plug across D Sand from 6832' to 6690' to remain in place

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: _____ 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: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: _____

| <u>COA Type</u> | <u>Description</u> |
|-----------------|--------------------|
| | |

Attachment List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|-----------------------|
| 403135582 | WELLBORE DIAGRAM |
| 403135589 | WELLBORE DIAGRAM |
| 403135590 | LOCATION PHOTO |
| 403135632 | SURFACE OWNER CONSENT |

Total Attach: 4 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
| | | Stamp Upon Approval |

Total: 0 comment(s)