

FORM
6

Rev
02/20

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Replug By Other Operator

Document Number:

402490710

Date Received:

09/16/2020

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: 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 05-123-05506-00
Well Name: HEINZE Well Number: 1
Location: QtrQtr: NESE Section: 29 Township: 8N Range: 61W Meridian: 6
County: WELD Federal, Indian or State Lease Number: _____
Field Name: WILDCAT Field Number: 99999

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.630747 Longitude: -104.223079
GPS Data: GPS Quality Value: 1.9 Type of GPS Quality Value: PDOP Date of Measurement: 09/02/2020
GPS Instrument Operator's Name: Ryan Desmond

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other Re-Entry P&A Offset to Mallard 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 | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bot | Cement Top | Status |
|-------------|--------------|----------------|-----------------|---------------|--------------|------------|------------|--------|
| SURF | 12+1/4 | 10+3/4 | 32 | 436 | 390 | 436 | 0 | VISU |
| OPEN HOLE | 7+7/8 | | | 8,540 | | | | |

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 80 sks cmt from 6350 ft. to 6150 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 80 sks cmt from 1200 ft. to 1000 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 315 sacks half in. half out surface casing from 650 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 Cut and Cap Date: _____
of _____
*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: 9/16/2020 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: JENKINS, STEVE Date: 10/2/2020

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 4/1/2021

| COA Type | Description |
|-----------------|--|
| | 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Prior to placing the 650' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders. 3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 386' or shallower and provide 10 sx plug at the surface. 4) Leave at least 100' of cement in the wellbore for each plug. 5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed. 6) After placing the shallowest hydrocarbon isolating plug (1200'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or fluid migration, contact COGCC engineering before continuing operations. |
| | 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. |

Attachment Check List

| Att Doc Num | Name |
|--------------------|-------------------------|
| 402490710 | FORM 6 INTENT SUBMITTED |
| 402490791 | SURFACE OWNER CONSENT |
| 402490793 | WELLBORE DIAGRAM |
| 402490794 | WELLBORE DIAGRAM |
| 402490795 | LOCATION PHOTO |

Total Attach: 5 Files

General Comments

| User Group | Comment | Comment Date |
|-------------------|---|---------------------|
| Engineer | 1) Deepest Water Well within 1 mile = 340'. 2) Fox Hills Bottom- N/A, per SB5. | 10/02/2020 |
| Engineer | In accordance with the Notice to Operators (NTO): Timing for COGCC Forms adopted on 05/01/2020, this Form 6 Notice of Intent to Abandon is valid for 12 months from the date of approval expiring on 10/02/2021. This NTO does not alter the deadlines for submission of, or compliance with any other Commission rule or Form. | 10/02/2020 |
| Permit | <ul style="list-style-type: none"> • Well was DA in 1958, cannot verify SHL on aerial nor satellite imagery. This form reports a GPS location that was taken 9/20/2020 • No Completed Intervals to verify • No Production data to verify | 10/01/2020 |

Total: 3 comment(s)