

FORM
6Rev
11/20

State of Colorado Oil and Gas Conservation Commission

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



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Replug By Other Operator

Document Number:

403034113

Date Received:

05/02/2022

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: 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 05-123-05599-00

Well Name: ALVA L SHABLE

Well Number: 1

Location: QtrQtr: NENW Section: 5 Township: 8N Range: 60W 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: 40.697789

Longitude: -104.115820

GPS Data: GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Date of Measurement: 08/28/2018

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Re-entry P&A offset to upcoming HZ developmentCasing to be pulled: ☐ Yes ☒ No Estimated Depth:Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore 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	14+3/4	10+3/4	32.75	J55	0	310	167	310	0	VISU
OPEN HOLE	7+7/8				310	7380				

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	15	sks cmt from	7000	ft. to	6950	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input type="checkbox"/>
Set	70	sks cmt from	6247	ft. to	6047	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input checked="" type="checkbox"/>
Set	70	sks cmt from	2000	ft. to	1800	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input checked="" type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type:		Plug Tagged:	<input type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type:		Plug Tagged:	<input type="checkbox"/>

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 305 sacks half in. half out surface casing from 645 ft. to 0 ft. Plug Tagged: ☒

Set 15 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

Surface Plug Setting Date: _____ Cut and Cap Date: _____ Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____

*Wireline Contractor: _____

*Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

*Note: 15 sx pumped at 7,000' during original 1951 P&A 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: 5/2/2022 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: 6/14/2022

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 12/13/2022

Condition of Approval

COA Type

Description

	<p>Plugging</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</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 the required tops or shallower. Notify COGCC Area Engineer before adding cement to a 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) After placing the shallowest hydrocarbon isolating plug (Plug #2), 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.</p> <p>8) Plugging procedure has been modified as follows,</p> <p>Plug #1 - 7000', 15 sx open hole plug from 1951 to remain, tag and verify</p> <p>Plug #2 - 6247-6047', 70 sx open hole plug, tag per COA #4</p> <p>Plug #3 - 2000-1800', 70 sx open hole plug, tag per COA #4</p> <p>Plug #4 - 645-0', 305 sx shoe plug. WOC and tag at 260' or higher if cement is not circulated to the surface and remains there.</p> <p>Plug #5 - 50' of cement at the surface in the casing per COA #5.</p>
	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

403034113	FORM 6 INTENT SUBMITTED
403034133	LOCATION PHOTO
403034134	SURFACE OWNER CONSENT
403034135	WELLBORE DIAGRAM
403034136	WELLBORE DIAGRAM

Total Attach: 5 Files

General Comments

User Group

Comment

Comment Date

Engineer	Groundwater: Laramie-Fox Hills, Upper Pierre Deepest water well: 380'(2mi, 5 wells) Log: 123-05599 GR 4947 L-FH base 595', correlated to DWR pick on 123-07185	06/13/2022
Permit	-Verified SHL lat./long -No zones to verify -No production reports to verify -Passed Permit Review	05/11/2022

Total: 2 comment(s)