FORM 6 Rev 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

DE	ET	OE	ES

Document Number: 403052870

Date Received: 07/13/2022

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: 24500 Contact Name: Dan Richmond

Name of Operator: PADCO LLC Phone: (918) 630-9912

Address: 800 W 6TH STREET SUITE 1010 Fax:

City: LOS ANGELES State: CA Zip: 90017 Email: dan@dsrinc.net

For "Intent" 24 hour notice required, COGCC contact: Name: Sherman, Susan Tel: (719) 775-1111 Email: susan.sherman@state.co.us

Type of Well Abandonment Report: ☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

API Number 05-121-08090-00

Well Name: HARPHAM Well Number: 3

Location: QtrQtr: NESE Section: 3 Township: 2N Range: 52W Meridian: 6

County: WASHINGTON Federal, Indian or State Lease Number:

Field Name: REDWING Field Number: 72900

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.167850 Longitude: -103.176190

GPS Data: GPS Quality Value: 2.1 Type of GPS Quality Value: PDOP Date of Measurement: 11/14/2007

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☒ Mechanical Problems

☐ Other

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: Tubing parted during operations to repair tubing leak; fish fell to bottom, recovered most of fish but could not get to bottom; milled junk in the hole to 4385' but could not get below that depth; attempted to pump well from there but could not restore production.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
D SAND	4577	4613			

Total: 1 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	J-55	24	0	200	150	200	0	VISU
1ST	7+7/8	5+1/2	J-55	14	0	4684	150	4684	3600	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4360 with 2 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 _____ 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: ☐

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 1500 ft. with 40 sacks. Leave at least 100 ft. in casing 1450 CICR Depth

Perforate and squeeze at 450 ft. with 135 sacks. Leave at least 100 ft. in casing 250 CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set _____ sacks half in. half out surface casing from _____ ft. to _____ 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:

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

Signed: _____ Print Name: Dan Richmond

Title: Field Operations Super. Date: 7/13/2022 Email: dan@dsrinc.net

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: 7/20/2022

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 1/19/2023

Condition of Approval

COA Type	Description
	Bradenhead Testing Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations. 1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples. If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.
	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. 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 (4360'), 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) Plugging procedure has been modified as follows, Plug #1 - 4360', CIBP with 2 sx of cement. Plug #2 - 1500', perf and squeeze 40 sx with CICR at 1450', leave 5 sx on top of CICR. Plug #3 - 450', perf and squeeze 135 sx with CICR at 250', cement should circulate to surface, leave 100 ft of cement on top of retainer to reach minimum of 50' above the surface casing shoe depth. If CICR is not used then circulate cement to surface. Tag required at 150' or shallower if cement does not circulate to surface and remain there. Contact COGCC Area Engineer if tag is deeper than 150'. Plug #4 - 50' of cement at the surface in both the casing and the annulus, see COA #5 9) Properly abandon flowlines as per Rule 1105. Pursuant to Rule 911.a. Closure of Oil and Gas Facilities, Operator will submit Site Investigation and Remediation Workplans via Form 27 for COGCC prior approval before cutting and capping the plugged well, conducting flowline abandonment, and removing production equipment.
	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. Due to proximity of building units (BUs) all blowdown gases will be controlled.
3 COAs	

Attachment List

Att Doc Num	Name
403052870	FORM 6 INTENT SUBMITTED
403103822	WELLBORE DIAGRAM
403103823	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Groundwater: Ogallala behind surface casing, Upper Pierre at the shoe Deepest water well: 150'(1mi, 37 wells), 425'(2mi, 99 wells,4660'(+52')), 283900-listed as 800' deep but permit says 180' Log: 121-08090 4/20/68 Ogalalla behind surface casing, Upper Pierre 200-1100'	07/20/2022
Permit	Operator has updated WBDs. COGCC permitting has updated gross perforated interval on scout card to reflect historical reporting.	07/13/2022
Permit	Returned to draft for operator to update WBD and zones tab.	07/12/2022
Engineer	2 sundries with additional perfs in well file, not shown on scout card or WBD.	06/24/2022

Total: 4 comment(s)