

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



DE ET OE ES

Document Number:

403300839

Date Received:

01/25/2023

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: 96850

Contact Name: Melissa Luke

Name of Operator: TEP ROCKY MOUNTAIN LLC

Phone: (970) 263-2721

Address: 1058 COUNTY ROAD 215

Fax:

City: PARACHUTE State: CO Zip: 81635

Email: mluke@terraep.com

For "Intent" 24 hour notice required,

Name: De Paolo, Corey

Tel: (303) 903-8253

COGCC contact:

Email: corey.depaolo@state.co.us

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

API Number 05-045-06612-00

Well Name: CLOUGH

Well Number: W-86-29

Location: QtrQtr: SWNE Section: 29 Township: 6S Range: 94W Meridian: 6

County: GARFIELD

Federal, Indian or State Lease Number: 12879

Field Name: RULISON

Field Number: 75400

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.499429

Longitude: -107.907997

GPS Data: GPS Quality Value: 0.0 Type of GPS Quality Value: PDOP Date of Measurement: 06/06/2012

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☒ Mechanical Problems☐ OtherCasing 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
WASATCH	1324	1662			

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	-	24	0	319	200	319	0	VISU
1ST	7+7/8	4+1/2	-	11.6	0	1788	300	1788	700	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 1274 with 2 sacks cmt on top. CIBP #2: Depth 190 with 2 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 58 sks cmt from 219 ft. to 419 ft. Plug Type: CASING Plug Tagged: ☐
Set 16 sks cmt from 50 ft. to 0 ft. Plug Type: CASING 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 419 ft. with 58 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 _____ sacks half in. half out surface casing from _____ ft. to _____ 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

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:

CPW Consultation occurred on 11/24/2023 to meet COGCC Rule 312 requirements.

- 1 Notify COGCC via Form 42, 48 hrs prior to start of activity.
- 2 POOH tubing string
- 3 RIH w/ WL set CIBP @ 1,274' in 4-1/2" csg (top perf @ 1,324', TOC @ 750')
- 4 Dump bail 2 sks of cmt on top of CIBP @ 1,274' in 4-1/2" casing.
- 5 Pressure test casing to 500 psi for 15 minutes. Notify COGCC if test fails.
- 6 If test fails, RIH w/ pkr to below TOC (750') and test CIBP to 500 psi for 15 minutes
- 7 PU pkr and test csg to determine location of csg leak
- 8 If csg leak is discovered below surface csg shoe, RIH w/ cmt retainer and sqz leak accordingly
- 9 If csg leak is discovered above surface csg shoe, procede with surface csg shoe cmt job
- 10 Shoot 3 holes in 4-1/2" casing @ 419' and establish circulation down production csg and up surface csg
- 11 Pump 58 sks cmt, cementing 4-1/2" production csg and annulus from 219-419'
- 12 Cut and pull 4-1/2" production csg from 200' to surface
- 13 RIH w/ WL set CIBP @ 190' in 8-5/8" surface csg
- 14 Dump bail 2 sks of cmt on top of CIBP @ 190' in 8-5/8" surface csg
- 12 RIH to 50' and circulate 16 sks cmt to surface in 8-5/8" surface csg.
- 13 Submit wireline and cement field tickets to engineer
- 14 Monitor well for 5 days to ensure successful plugging
- 15 Cut off wellhead, top out cement if necessary
- 16 Weld a steel plate dryhole marker (Above Ground) with a weep hole on top of casing (See Details Below)
- 17 Submit subsequent Form 6 to COGCC
- 18 Backfill cellar

Please see attached current WBD, proposed WBD and proposed plugging procedure for project details.

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

Signed: _____ Print Name: Melissa Luke
Title: Regulatory Specialist Date: 1/25/2023 Email: mluke@terraep.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: Katz, Aaron Date: 2/2/2023

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 8/1/2023

COA Type	Description
	<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) The approved Form 6, Notice of Intent will be at the location during all phases of plugging operations.</p> <p>3) Operator shall implement measures to control venting and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard.</p> <p>4) 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 Work plans via Form 27 for COGCC prior approval before cutting and capping the plugged well, conducting flowline abandonment, and removing production equipment. Pursuant to Rule 1105.f. Abandonment Verification, within 90 days of an operator completing abandonment requirements for a flowline or crude oil transfer line, an operator must submit a Field Operations Notice, Form 42-Abandonment of Flowlines for on-location flowlines, and a Flowline Report, Form 44, for off-location flowlines or crude oil transfer lines.</p> <p>5) Perform bradenhead test prior to MIRU if test has not been performed within six months of plugging or annual test has not been completed. Submit results on Form 17. Contact area environmental protection specialist for sampling and analysis requirements if initial bradenhead pressure is greater than 25 psi.</p> <p>6) If production casing is cut and a CIBP with cement on top is utilized, after dump bailing cement pressure test the surface casing</p>
	<p>CPW consultation confirmed with COA's provided by the operator as Best Management Practices within the consult communication: Bald Eagle – Minimization: Proposed activities associated with the Plugging and Abandonment of the Clough #W-86-29 well will be conducted during daylight hours only. No nighttime operations will occur. Bald Eagle – Minimization: No onsite lighting will be utilized during Plugging and Abandonment activities.</p>
	<p>This oil and gas location is within a CPW-mapped bald eagle roost or communal roost and within a 0.5-mile of an active nest site rule 309.e.(1) consultation habitat. CPW may choose to consult on this planned P&A to develop site specific measures to avoid, minimize, and mitigate impacts to wildlife prior to conducting the work. Please note that non-emergency plugging and abandonment (PA) activities should not take place from November 15 to March 15.</p>
3 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403300839	FORM 6 INTENT SUBMITTED
403301005	OTHER
403301038	PROPOSED PLUGGING PROCEDURE
403301039	WELLBORE DIAGRAM
403301040	WELLBORE DIAGRAM

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Form 17 BH test indicated potential communication. Operator submitted BHP Sundry 403253124 Deepest water well within 1 mile is 273 ft. 2023 annual BH test is required, see COA#5 Well is a Wasatch G producer Plugging procedure has contingency depending on where holes in casing are found. See COA#6 for additional requirements.	02/02/2023
Engineer	Changed casing nomenclature to First String	02/02/2023
OGLA	OGLA review is complete.	01/31/2023

Total: 3 comment(s)