

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:
 402911942
 Date Received:
 12/29/2021

OGCC Operator Number: 10459 Contact Name: Kaleb Roush
 Name of Operator: EXTRACTION OIL & GAS INC Phone: (720) 354-4580
 Address: 370 17TH STREET SUITE 5200 Fax: _____
 City: DENVER State: CO Zip: 80202 Email: kroush@civiresources.com

For "Intent" 24 hour notice required, Name: Medina, Justin Tel: (720) 471-0006
COGCC contact: Email: justin.medina@state.co.us

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

API Number 05-001-06571-00
 Well Name: HABEL 'A' (OWP) Well Number: 1
 Location: QtrQtr: SENW Section: 22 Township: 2S Range: 62W Meridian: 6
 County: ADAMS Federal, Indian or State Lease Number: _____
 Field Name: LONGBRANCH Field Number: 51450

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.864650 Longitude: -104.313950
 GPS Data: GPS Quality Value: 3.9 Type of GPS Quality Value: PDOP Date of Measurement: 08/12/2012
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other OWP Order. No. IV-753
 Casing to be pulled: Yes No Estimated Depth: 2500
 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
J SAND	7117	7166			
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	J55	24	0	947	700	947	0	VISU
1ST	7+7/8	5+1/2	J55	15.5	0	7249	200	7249	5925	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7050 with 2 sacks cmt on top. CIBP #2: Depth 6200 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 80 sks cmt from 2600 ft. to 2400 ft. Plug Type: STUB PLUG 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 _____ 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 390 sacks half in. half out surface casing from 1000 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:

Please forward this Form 6 to the Orphan Well Program for review.
Surface owner's consent and location photos will be obtained prior to MIRU next year and submitted via sundry.

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

Signed: _____ Print Name: Kaleb Roush
Title: Production Engineer Date: 12/29/2021 Email: kroush@civiresources.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: Jacobson, Eric Date: 1/13/2022

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 7/12/2022

Condition of Approval

COA Type

Description

	Operator to obtain surface owner's consent prior to beginning operations.
	Verify existing cement coverage by CBL - submit to COGCC for verification of plugging orders prior to continuing plugging operations.
	<p>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.</p> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>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.</p> <p>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p>
	<p>1) Provide 2 business day notice of plugging MIRU via electronic Form 42.</p> <p>2) After placing the shallowest hydrocarbon isolating plug (6200'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations.</p> <p>3) Prior to placing the 1000' plug: verify that all fluid migration (liquid and gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>4) 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 347' or shallower and provide 10 sx plug at the surface.</p> <p>5) Leave at least 100' of cement in the wellbore for each plug.</p> <p>6) 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>7) With the Form 6 SRA operator must provide written documentation, which positively affirms each COA has been addressed.</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.

5 COAs

Attachment List

Att Doc Num

Name

402911942	FORM 6 INTENT SUBMITTED
402911955	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Well file verification not completed prior to approval of NOIA.	01/13/2022
Engineer	Deepest Water Well within 1 Mile – 477' SB5 Base of Fox Hills - 934' Upper Arapahoe47495098164.83974844.83NNT Lower Arapahoe----- Laramie-Fox Hills42124410119.893473628.75NT	01/13/2022
Permit	-Confirmed as-drilled well location. -No other forms in process. -Production reporting delinquent, missing 8/2019, 7/2020-10/2021. -Confirmed productive interval docnum: 352547. -Reviewed WBDs. -Pass.	12/30/2021

Total: 3 comment(s)