

Document Number:
403980131

Date Received:
11/03/2024

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.

ECMC Operator Number: 95620 Contact Name: Steve James
 Name of Operator: WESTERN OPERATING COMPANY Phone: (303) 726-8650
 Address: 1165 DELAWARE STREET #200 Fax: _____
 City: DENVER State: CO Zip: 80204 Email: steve@westernoperating.com

For "Intent" 24 hour notice required, Name: Schure, Kym Tel: (970) 520-3832
 Email: kym.schure@state.co.us
ECMC contact: _____

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

API Number 05-087-05130-00
 Well Name: PETERSON, MAX Well Number: 1
 Location: QtrQtr: SENE Section: 27 Township: 1N Range: 56W Meridian: 6
 County: MORGAN Federal, Indian or State Lease Number: _____
 Field Name: SAND RIVER Field Number: 76300

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.024030 Longitude: -103.623920
 GPS Data: GPS Quality Value: 6.0 Type of GPS Quality Value: PDOP Date of Measurement: 03/22/2006

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other Reduce well count

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
D SAND	5160	5176			

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	13+3/4	10+3/4	NA	29	0	251	150	251	0	VISU
1ST	7+7/8	5+1/2	NA	14	0	5198	150	5198	4202	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5110 with 4 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 4 sks cmt from 3950 ft. to 3900 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:
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:

Perforate and squeeze at 4000 ft. with 60 sacks. Leave at least 100 ft. in casing 3950 CICR Depth

Perforate and squeeze at 1500 ft. with 42 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 351 ft. with 95 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:

Hole sizes not found in record, assumed based on offset wells

Site does not exist within a high priority habitat buffer. CPW still consulted 10/12/24
Form 27 environmental work plan and Form 44/42 flowline reporting will be submitted appropriately

Plugging Procedure:

- 1) 5,110' - CIBP with 4 sx cement
- 2) 4,000' - Perf and squeeze 60 sacks through CICR at 3,950'. Place 4 sx on top of CICR
- 3) 1,500' - Perf and squeeze 12 sx for casing plug, 30 sx for annulus
- 4) 351' - perf and circulate 95 sx to surface inside casing and annulus
- 5) 50' of casing is required inside casing and annulus at the surface

Bradenhead pressure 0 psi, May 2024 bradenhead test report Doc# 403788201

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

Signed: _____ Print Name: Ben Baugh

Title: Senior Geologist Date: 11/3/2024 Email: bbaugh@entradainc.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with ECMC Rules and applicable orders and is hereby approved.

ECMC Approved: Wolfe, Stephen Date: 12/2/2024

CONDITIONS OF APPROVAL, IF ANY LISTExpiration Date: 6/1/2025

COA Type	Description
	<p>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.</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 ECMC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact ECMC engineering for verification of plugging procedure.</p>
	<p>Consistent with Rule 911.a, a Form 27 must be approved prior to cut and cap, conducting flowline abandonment, or removing production equipment. Allow 30 days for Director review of the Form 27; include the Form 27 document number on the Form 44 for offsite flowline abandonment (if applicable) and on the Form 6 Subsequent.</p>
	<p>Properly abandon flowlines per Rule 1105. If flowlines will be abandoned in place, include with the Form 27: pressure test results conducted in the prior 12 months as well as identification of any document numbers for a ECMC Spill/Release Report, Form 19, associated with the abandoned line.</p>

Plugging
 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) 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 ECMC is obtained.
 3) 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. Wait on cement(WOC) a minimum of 4 hrs before tagging a plug. Tag at tops specified. Notify ECMC Area Engineer of a high(shallow) tag or before adding cement to a previous plug due to a low (deep) cement top.
 4) 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 and complete isolation in all strings during cut and cap. After cut and prior to cap, verify isolation by either a 15 minute bubble test or 15 minute optical gas imaging observation. If there is any indication of flow contact ECMC Engineering before proceeding. Provide a statement on the 6 SRA as to which method was used and what was observed. Retain records of final isolation test for 5 years.
 5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.
 6) Operator must wait a sufficient time on all plugs to achieve the intended design. If at any time during the plugging there is evidence of previously unreported pressure or fluid migration, contact ECMC Area Engineer before continuing operations.
 7) Plugging procedure has been modified as follows,
 Plug #1 - 5110', CIBP with 4 sx of cement on top,
 Plug #2 - 4000', perf and squeeze 60 sx of cement through a CICR set at 3950', spot 4 sx on top,
 Pressure test casing prior to perfring for next plug, a CICR will be required if the casing does not pass above 1500',
 Plug #3 - 1500', perf and squeeze 30 sx of cement into the perfs, leave an additional 12 sx in the casing, see COA #3 for requirement to tag,
 Plug #4 - 351', perf and circulate 95 sx of cement to the surface, WOC and tag if cement does not circulate to the surface and remain there,
 Plug #5 - 50' of cement at the surface per COA #4.

4 COAs

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
403980131	FORM 6 INTENT SUBMITTED
403980133	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater=Alluvium Deepest water well=165'(3mi, 70 records)	11/27/2024
OGLA	LAS review complete.	11/14/2024

Total: 2 comment(s)