

**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 05-121-06775-00  
 Well Name: PECK Well Number: A-1  
 Location: QtrQtr: NENE Section: 15 Township: 1N Range: 54W Meridian: 6  
 County: WASHINGTON Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: SHEARS DRAW Field Number: 77100

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.058450 Longitude: -103.398420  
 GPS Data: GPS Quality Value: 1.9 Type of GPS Quality Value: PDOP Date of Measurement: 04/25/2008  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other Reducing 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
J SAND	4866	4880			
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	NA	24	0	214	150	214	0	VISU
1ST	7+7/8	4+1/2	NA	11.6	0	4970	150	4970	4212	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4816 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 8 sks cmt from 3900 ft. to 3800 ft. Plug Type: CASING Plug Tagged:   
Set 8 sks cmt from 1500 ft. to 1400 ft. Plug Type: CASING Plug Tagged:   
Set 24 sks cmt from 314 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:   
Perforate and squeeze at 3900 ft. with 40 sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
Perforate and squeeze at 1500 ft. with 40 sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth  
Perforate and squeeze at 314 ft. with 62 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 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:

The wellhead does not exist within any CPW buffers

Environmental sampling will occur per approved Form 27 Document Numbers 403123970 and 403123664  
Flowline will be removed per Form 44 Document Number 403124350

Previous Form 6 approved with the following plugging procedure:

Plug #1 - 4816', CIBP with 2 sx of cement.

Plug #2 - 3900', perf and squeeze 40 sx into the perfs, spot 8 sx in the casing (100').

WOC and tag if CICR is not used.

Plug #3 - 1500', perf and squeeze 40 sx into the perfs, spot 8 sx in the casing (100').

WOC and tag if CICR is not used.

Plug #4 - 314', perf and circulate 86 sx of cement to surface. If perfs will take fluid but do not circulate or circulation is lost, pump a minimum of 50 sx and displace to 114', 100' above the surface shoe, WOC and tag at 164' or shallower. Notify COGCC Area Engineer of insufficient cement prior to pumping additional plugs.

Plug #5 - 50' of cement at the surface in both the casing and the annulus per COA #4.

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: 4/13/2024 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.

**CONDITIONS OF APPROVAL, IF ANY LIST**

Expiration Date: 11/1/2024

<b>COA Type</b>	<b>Description</b>
	<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.                      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.</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>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 COGCC Spill/Release Report, Form 19, associated with the abandoned line.</p>

	<p>Plugging</p> <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) 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>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 or shallower. Notify ECMC Area Engineer before adding cement to previous plug due to low cement top.</p> <p>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 or placed in such a way as to ensure the full 50' plug. 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 recording. If there is indication of flow contact ECMC Engineering. Provide a statement on the 6 SRA which method was used and what was observed. Retain records of final isolation test for 5 years.</p> <p>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>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 COGCC Area Engineer before continuing operations.</p> <p>7) Plugging procedure has been modified as follows,          Plug #1 - 4816', CIBP with 2 sx of cement.          Plug #2 - 3900', perf and squeeze 40 sx into the perfs, spot 8 sx in the casing (100'). WOC and tag if CICR is not used.          Plug #3 - 1500', perf and squeeze 40 sx into the perfs, spot 8 sx in the casing (100'). WOC and tag if CICR is not used.          Plug #4 - 314', perf and circulate 86 sx of cement to surface. If perfs will take fluid but do not circulate or circulation is lost, pump a minimum of 50 sx and displace to 114', 100' above the surface shoe, WOC and tag at 164' or shallower. Notify COGCC Area Engineer of insufficient cement prior to pumping additional plugs.          Plug #5 - 50' of cement at the surface in both the casing and the annulus per COA #4.</p>
	<p>Mis-reported on the Form 7 as PA for 9/23 and 10/23. Correct this on the next reporting due 5/15/24.</p>
	<p>Due to proximity to a mapped wetland, surface water and expected shallow groundwater, operator will use secondary containment for all tanks and other liquid containers. Operator will implement stormwater BMPs and erosion control measures as needed to prevent sediment and stormwater runoff from entering the wetland and surface water.</p>
<p>6 COAs</p>	

**ATTACHMENT LIST**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
403753204	FORM 6 INTENT SUBMITTED
403753205	WELLBORE DIAGRAM

Total Attach: 2 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Engineer	Groundwater=Alluvium, Upper Pierre Deepest water well=140'(2mi,25 wells) Logs=121-08321 7/18/69 GR 4616 UP 365-1385'	05/02/2024
OGLA	Location Assessment Specialist Review complete. Well is not near any RBUs or in an HPH.	04/17/2024

Total: 2 comment(s)