



<div>FORM 6</div> <div>Rev 11/20</div>	<div>State of Colorado</div> <div>Energy & Carbon Management Commission</div> <div>1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109</div>		<div></div>		<table><tr><td>DE</td><td>ET</td><td>OE</td><td>ES</td></tr></table>				DE	ET	OE	ES																										
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<div>WELL ABANDONMENT REPORT</div> <div>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.</div>				<div>Document Number: 403736528</div> <div>Date Received: 03/29/2024</div>																																		
<div>ECMC Operator Number: 10487</div> <div>Name of Operator: SPRINGDALE PARTNERS LLC</div> <div>Address: 3409 MONTECLAIRE DR</div> <div>City: SHERMAN State: TX Zip: 75092</div> <div>Contact Name: Deborah Abrams</div> <div>Phone: (303) 8942100</div> <div>Fax:</div> <div>Email: deborah.abrams@state.co.us</div>																																						
<div>For "Intent" 24 hour notice required, Name: Schure, Kym Tel: (970) 520-3832</div> <div>ECMC contact: Email: kym.schure@state.co.us</div>																																						
<div>Type of Well Abandonment Report: <input checked="" type="checkbox"/> Notice of Intent to Abandon <input type="checkbox"/> Subsequent Report of Abandonment</div>																																						
<div>API Number 05-075-05861-00</div> <div>Well Name: SPRINGDALE STORAGE Well Number: 2 (OWP)</div> <div>Location: QtrQtr: NENE Section: 16 Township: 8N Range: 53W Meridian: 6</div> <div>County: LOGAN Federal, Indian or State Lease Number: OG 63/59</div> <div>Field Name: SPRINGDALE Field Number: 78300</div>																																						
<div>Only Complete the Following Background Information for Intent to Abandon</div> <div>Latitude: 40.664950 Longitude: -103.300190</div> <div>GPS Data: GPS Quality Value: 2.6 Type of GPS Quality Value: Date of Measurement: 12/18/2013</div> <div>Reason for Abandonment: <input type="checkbox"/> Dry <input type="checkbox"/> Production Sub-economic <input type="checkbox"/> Mechanical Problems</div> <div><input checked="" type="checkbox"/> Other OWP</div> <div>Casing to be pulled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Estimated Depth:</div> <div>Fish in Hole: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, explain details below</div> <div>Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, explain details below</div> <div>Details:</div>																																						
<div>Current and Previously Abandoned Zones</div> <table><thead><tr><th>Formation</th><th>Perf. Top</th><th>Perf. Btm</th><th>Abandoned Date</th><th>Method of Isolation</th><th>Plug Depth</th></tr></thead><tbody><tr><td>J SAND</td><td>4864</td><td>4870</td><td></td><td></td><td></td></tr><tr><td>MUDDY D</td><td>4756</td><td>4825</td><td>11/01/1963</td><td>SQUEEZED</td><td></td></tr></tbody></table> <div>Total: 2 zone(s)</div>						Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth	J SAND	4864	4870				MUDDY D	4756	4825	11/01/1963	SQUEEZED																
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Date Run: 4/11/2024 Doc [#403736528] Well Name: SPRINGDALE STORAGE 2 (OWP)

Page 1 of 5

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4878 with 3 sacks cmt on top. CIBP #2: Depth 4681 with 3 sacks cmt on top.
CIBP #3: Depth 3854 with 3 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 10 sks cmt from 1345 ft. to 1245 ft. Plug Type: CASING Plug Tagged: ☐
Set 30 sks cmt from 590 ft. to 354 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 1435 ft. with 45 sacks. Leave at least 100 ft. in casing 1345 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 45 sacks half in. half out surface casing from 590 ft. to 354 ft. Plug Tagged: ☐

Set 35 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:

Surface casing hole size is unknown. Entry is assumed, based on nearby wells to pass validation.
There is a known CIBP at 4878', but I was unable to report it on the Zones tab for the J Formation. It will definitely be reported on the Form 6 Subsequent to that it appears in the well file.
CBL doc #1954136 found mis-catalogued in another well file. Corrections made to CIBP @ 3854' and updated WBD uploaded.

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

Signed: _____ Print Name: Deborah Abrams

Title: OWP Date: 3/29/2024 Email: deborah.abrams@state.co.us

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: 4/11/2024

CONDITIONS OF APPROVAL, IF ANY LIST

Expiration Date: 10/10/2024

COA Type	Description
	<p>Bradenhead Testing</p> <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 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>

	<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 ECMC 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. 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) No current Form 17 on file with ECMC. Contact ECMC area engineer with results of pre-plugging bradenhead test for confirmation of plugging procedure prior to commencing plugging operations.</p> <p>7) 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.</p> <p>8) Plugging procedure has been modified as follows, Plug #1 - 4878', CIBP set 8/11/53 to remain, tag and dump 3 sx of cement, Plug #2 - 4681', CIBP with 3 sx of cement on top, Test casing, Run CBL to confirm TOC, Plug #3 - 3854', CIBP with 3 sx of cement on top, Plug #4 - 1435', perf and squeeze 40 sx through a CICR set at 1345', spot an additional 10 sx on top of the CICR, Plug #5 - 590', perf and squeeze 45 sx of cement, displace to 304', WOC and tag at 354' or shallower. Notify ECMC Area Engineer of insufficient cement prior to pumping additional plugs. Plug #6 - Minimum of 50' of cement at the surface in both the casing and the annulus per COA #4.</p> <p>9) Submit any logs run during the plugging with the Form 6 SRA.</p>
	<p>Due to proximity to mapped riverine/stream, Operator will review the stormwater program and implement stormwater BMPs and erosion control measures as needed to prevent fine-grained sediment and impacted stormwater runoff from entering surface water.</p>
5 COAs	

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
2138473	WELLBORE DIAGRAM
403736528	WELL ABANDONMENT REPORT (INTENT)
403751726	FORM 6 INTENT SUBMITTED

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater=Alluvium, Upper Pierre Deepest water well=620'(2mi, 76 records) Logs=075-09247 6/25/92 GR=4181' UP at the SC shoe, UP base 850'	04/11/2024
Engineer	Dakota top called out on the scout card appears to be the J in ECMC jargon, from the electric log. Completed formation was reported as J. Lower J perforations, 4884-87', previously abandoned with a CIBP at 4878'. Upper J remains open. Muddy D previously squeezed.	04/04/2024
OGLA	LAS review completed. Well is not in an HPH. No RBU's within 1000 feet,	04/02/2024
Permit	Confirmed as-drilled well location. Interval should be Dakota, however, reported as J-sand on 5A and form 7. Reviewed WBD. Pass.	04/01/2024

Total: 4 comment(s)