

<div>FORM</div> <div>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><div></div></div><div><div></div></div></div>		<div>DE</div> <div>ET</div> <div>OE</div> <div>ES</div>																																
	<div>Document Number:</div> <div>403857972</div> <div>Date Received:</div> <div>07/17/2024</div>																																				
<div>WELL ABANDONMENT REPORT</div> <div><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></div>																																					
<div><div><div>ECMC Operator Number: 47120</div><div>Contact Name: Lorena Ruiz</div><div>Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP</div><div>Phone: (970) 515-1500</div><div>Address: P O BOX 173779</div><div>Fax:</div><div>City: DENVER State: CO Zip: 80217-</div><div>Email: lorena_ruiz@oxy.com</div><div>For "Intent" 24 hour notice required, Name: Santistevan, Brittani Tel: (720) 471-1110</div><div>ECMC contact: Email: brittani.santistevan@state.co.us</div></div></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><div><div>API Number 05-123-29439-00</div><div>Well Name: MOSER</div><div>Well Number: 14-28</div><div>Location: QtrQtr: SESW Section: 28 Township: 3N Range: 65W Meridian: 6</div><div>County: WELD</div><div>Federal, Indian or State Lease Number:</div><div>Field Name: WATTENBERG</div><div>Field Number: 90750</div></div></div>																																					
<div>Only Complete the Following Background Information for Intent to Abandon</div> <div><div><div>Latitude: 40.190974</div><div>Longitude: -104.670590</div><div>GPS Data: GPS Quality Value: 3.6</div><div>Type of GPS Quality Value: PDOP</div><div>Date of Measurement: 06/05/2009</div><div>Reason for Abandonment: <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Production Sub-economic <input type="checkbox"/> Mechanical Problems</div><div><input type="checkbox"/> Other</div><div>Casing to be pulled: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</div><div>Estimated Depth: 650</div><div>Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div><div>If yes, explain details below</div><div>Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div><div>If yes, explain details below</div><div>Details:</div></div></div>																																					
<div>Current and Previously Abandoned Zones</div> <table><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><tr><td>CODELL</td><td>7182</td><td>7197</td><td></td><td></td><td></td></tr><tr><td>NIOBRARA</td><td>6908</td><td>7044</td><td></td><td></td><td></td></tr></table> <div>Total: 2 zone(s)</div>					Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth	CODELL	7182	7197				NIOBRARA	6908	7044																		
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<div>Casing History</div> <table><tr><th>Casing Type</th><th>Size of Hole</th><th>Size of Casing</th><th>Grade</th><th>Wt/Ft</th><th>Csg/Liner Top</th><th>Setting Depth</th><th>Sacks Cmt</th><th>Cmt Btm</th><th>Cmt Top</th><th>Status</th></tr><tr><td>SURF</td><td>12+1/4</td><td>8+5/8</td><td>J-55</td><td>24</td><td>0</td><td>730</td><td>460</td><td>730</td><td>0</td><td>VISU</td></tr><tr><td>1ST</td><td>7+7/8</td><td>4+1/2</td><td>I-80</td><td>11.6</td><td>0</td><td>7781</td><td>865</td><td>7781</td><td>667</td><td>CBL</td></tr></table>					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	J-55	24	0	730	460	730	0	VISU	1ST	7+7/8	4+1/2	I-80	11.6	0	7781	865	7781	667	CBL
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Date Run: 7/30/2024 Doc [#403857972] Well Name: MOSER 14-28

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Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 260 with 80 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 <u>10</u> sks cmt from <u>6878</u> ft. to <u>6750</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>5</u> sks cmt from <u>4250</u> ft. to <u>4190</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>5</u> sks cmt from <u>2670</u> ft. to <u>2610</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>55</u> sks cmt from <u>960</u> ft. to <u>600</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>80</u> sks cmt from <u>260</u> ft. to <u>0</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 6908 ft. with 90 sacks. Leave at least 100 ft. in casing 6878 CICR Depth

Perforate and squeeze at 4280 ft. with 95 sacks. Leave at least 100 ft. in casing 4250 CICR Depth

Perforate and squeeze at 2700 ft. with 95 sacks. Leave at least 100 ft. in casing 2670 CICR Depth

(Cast Iron Cement Retainer Depth)

Set 55 sacks half in. half out surface casing from 960 ft. to 600 ft. Plug Tagged: ☐

Set 80 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:

Additional Plugging Information:

Perforate and squeeze at 990ft. with 95 sacks. Leave at least 100 ft. in casing 960 CICR Depth (Cast Iron Cement Retainer)

BMPs

Signage for P&As:

Prior to commencing operations, KMG will post signs in conspicuous locations. The signs will indicate plugging and abandonment operations are being conducted, the well name, well, and the Operator's contact information. Signs will be placed so as not to create a potential traffic hazard.

Notifications:

Courtesy notifications will be sent to all parcel owners with building units within 1,500 feet of the location letting them know about out plugging and abandonment operations and providing contact information for Kerr McGee's response line and online resources.

Wellbore Pressure:

In some cases, wellbore pressure drawdown operations may occur approximately 1-2 days prior to Move In Rig Up (MIRU) of the workover rig. This is conducted to allow for reduced time that the workover rig is needed on location. These operations will be conducted in accordance with Form 4 and/or Form 6 requirements.

Water:

Water will be placed on dirt access roads to mitigate dust as needed.

Lighting:

Operations are daylight-only; no lighting impacts are anticipated from operations.

Noise:

Operations will be in compliance with Table 423-1 requirements. Based off the rig sound signature, rig orientation will be considered to reduce noise levels to nearby building units.

Environmental Concerns:

This location was reviewed using a desktop method to review publicly available wildlife data (including CPW & ECMC data) as well as internal wildlife datasets and aerial imagery. All field personnel are trained to identify wildlife risks and raise concerns noticed during operations with the KMOG Health, Safety, and Environment (HSE) department.

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

Signed: _____ Print Name: Lorena Ruiz
Title: Regulatory Tech Date: 7/17/2024 Email: lorena_ruiz@oxy.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: McFarland, Nick Date: 7/30/2024

CONDITIONS OF APPROVAL, IF ANY LIST

Expiration Date: 1/29/2025

COA Type

Description

	<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>Operator shall implement measures to control venting, 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 welfare.</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>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. These are two separate notifications, required by Rules 405.e and 405.l.</p> <p>2) Prior to placing the squeeze at 2670' operator shall run a new CBL to verify existing coverage. Provide a copy to ECMC engineering for verification of plugging orders.</p> <p>3) Prior to placing cement above the base of the Upper Pierre (1600') : verify that all fluid (liquid and gas) migration has been eliminated. If evidence of fluid migration or pressure remains, contact ECMC Engineer for an update to plugging orders.</p> <p>4) Pump surface casing shoe plug only after isolation has been verified. If surface casing cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 680' or shallower and provide a minimum of 10 sx plug at the surface.</p> <p>5) Leave at least 100' of cement in the wellbore for each plug without mechanical isolation.</p> <p>6) After surface plug 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 6SRA which method was used and what was observed. Retain records of final isolation test for 5 years.</p> <p>7) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.</p>

	<p>Operator committed to the following Best Management Practices under the Technical Detail/ Comments section on the Submit Tab:</p> <p>BMPs</p> <p>Signage for P&As:</p> <p>Prior to commencing operations, KMG will post signs in conspicuous locations. The signs will indicate plugging and abandonment operations are being conducted, the well name, well, and the Operator's contact information. Signs will be placed so as not to create a potential traffic hazard.</p> <p>Notifications:</p> <p>Courtesy notifications will be sent to all parcel owners with building units within 1,500 feet of the location letting them know about out plugging and abandonment operations and providing contact information for Kerr McGee's response line and online resources.</p> <p>Wellbore Pressure:</p> <p>In some cases, wellbore pressure drawdown operations may occur approximately 1-2 days prior to Move In Rig Up (MIRU) of the workover rig. This is conducted to allow for reduced time that the workover rig is needed on location. These operations will be conducted in accordance with Form 4 and/or Form 6 requirements.</p> <p>Water:</p> <p>Water will be placed on dirt access roads to mitigate dust as needed.</p> <p>Lighting:</p> <p>Operations are daylight-only; no lighting impacts are anticipated from operations.</p> <p>Noise:</p> <p>Operations will be in compliance with Table 423-1 requirements. Based off the rig sound signature, rig orientation will be considered to reduce noise levels to nearby building units.</p> <p>Environmental Concerns:</p> <p>This location was reviewed using a desktop method to review publicly available wildlife data (including CPW & ECMC data) as well as internal wildlife datasets and aerial imagery. All field personnel are trained to identify wildlife risks and raise concerns noticed during operations with the KMOG Health, Safety, and Environment (HSE) department.</p>
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5 COAs

ATTACHMENT LIST

<u>Att Doc Num</u>	<u>Name</u>
403857972	FORM 6 INTENT SUBMITTED
403857977	WELLBORE DIAGRAM
403857978	PROPOSED PLUGGING PROCEDURE

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	1/25/24 - BH test 1 psi SI since August 2020. SB5 Base of Fox Hills: 595' Deepest Water Well Within One Mile: 642' Number of Wells: 90 UPA Base 1600' - Induction Log Production within one mile: JSND, CODL, NBRR	07/30/2024
OGLA	Location Assessment Specialist (LAS) review complete. Well is not in a HPH, not near surface waters or wetlands, and no nearby RBUs. Task passed.	07/23/2024
Permit	selected PDOP from dropdown box Verified as drilled lat/long Verified completed intervals - 12329439(2),12329439 Verified production reporting pass	07/17/2024

Total: 3 comment(s)