


FORM 6 Rev 11/20	State of Colorado Energy & Carbon Management Commission				DE	ET	OE	ES																																												
	1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109				Document Number: 404012606  Date Received:																																															
WELL ABANDONMENT REPORT																																																				
<p>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.</p>																																																				
ECMC Operator Number: 47120					Contact Name: Lorena Ruiz																																															
Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP					Phone: (970) 336-3535																																															
Address: P O BOX 173779					Fax:																																															
City: DENVER State: CO Zip: 80217-					Email: lorena_ruiz@oxy.com																																															
For "Intent" 24 hour notice required,					Name: Carlile, Craig		Tel: (970) 629-8279																																													
ECMC contact:					Email: craig.carlile@state.co.us																																															
Type of Well Abandonment Report: <input checked="" type="checkbox"/> Notice of Intent to Abandon <input type="checkbox"/> Subsequent Report of Abandonment																																																				
API Number 05-123-20033-00																																																				
Well Name: HSR-KARICH Well Number: 2-32A																																																				
Location: QtrQtr: NWNE Section: 32 Township: 3N Range: 66W Meridian: 6																																																				
County: WELD Federal, Indian or State Lease Number:																																																				
Field Name: WATTENBERG Field Number: 90750																																																				
Only Complete the Following Background Information for Intent to Abandon																																																				
Latitude: 40.187310 Longitude: -104.799060																																																				
GPS Data: GPS Quality Value: 2.5 Type of GPS Quality Value: Date of Measurement: 10/10/2006																																																				
Reason for Abandonment: <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Production Sub-economic <input type="checkbox"/> Mechanical Problems																																																				
<input type="checkbox"/> Other																																																				
Casing to be pulled: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Estimated Depth: 1550																																																				
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain details below																																																				
Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain details below																																																				
Details:																																																				
Current and Previously Abandoned Zones																																																				
<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>J SAND</td><td>7817</td><td>7881</td><td></td><td></td><td></td></tr></table>									Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth	J SAND	7817	7881																																			
Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth																																															
J SAND	7817	7881																																																		
Total: 1 zone(s)																																																				
Casing History																																																				
<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>622</td><td>435</td><td>622</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>7968</td><td>275</td><td>7968</td><td>6500</td><td>CBL</td></tr><tr><td>S.C. 1.1</td><td>7+7/8</td><td>4+1/2</td><td>I-80</td><td>11.6</td><td>0</td><td>7968</td><td>330</td><td>4866</td><td>3832</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	622	435	622	0	VISU	1ST	7+7/8	4+1/2	I-80	11.6	0	7968	275	7968	6500	CBL	S.C. 1.1	7+7/8	4+1/2	I-80	11.6	0	7968	330	4866	3832	CBL
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	622	435	622	0	VISU																																										
1ST	7+7/8	4+1/2	I-80	11.6	0	7968	275	7968	6500	CBL																																										
S.C. 1.1	7+7/8	4+1/2	I-80	11.6	0	7968	330	4866	3832	CBL																																										

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7780 with 2 sacks cmt on top. CIBP #2: Depth 260 with 80 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 5 sks cmt from 7106 ft. to 7045 ft. Plug Type: CASING Plug Tagged: ☐  
Set 5 sks cmt from 4388 ft. to 4325 ft. Plug Type: CASING Plug Tagged: ☐  
Set 55 sks cmt from 2300 ft. to 1600 ft. Plug Type: CASING Plug Tagged: ☐  
Set 80 sks cmt from 260 ft. to 0 ft. Plug Type: CASING Plug Tagged: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 7136 ft. with 95 sacks. Leave at least 100 ft. in casing 7106 CICR Depth

Perforate and squeeze at 4418 ft. with 95 sacks. Leave at least 100 ft. in casing 4388 CICR Depth

Perforate and squeeze at 2300 ft. with 165 sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 405 sacks half in. half out surface casing from 1600 ft. to 572 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:

**Signage for P&As:**

Prior to commencing operations, Kerr McGee 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: \_\_\_\_\_ 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: \_\_\_\_\_ Date: \_\_\_\_\_

**CONDITIONS OF APPROVAL, IF ANY LIST**

Expiration Date: \_\_\_\_\_

<u>COA Type</u>	<u>Description</u>
0 COA	

**ATTACHMENT LIST**

<u>Att Doc Num</u>	<u>Name</u>
404012608	WELLBORE DIAGRAM
404012609	PROPOSED PLUGGING PROCEDURE

Total Attach: 2 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)