

Document Number:
403076972

Date Received:
06/13/2022

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.

OGCC Operator Number: 47120 Contact Name: Lindsay Frase
 Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (970) 515-1616
 Address: P O BOX 173779 Fax: _____
 City: DENVER State: CO Zip: 80217- Email: Lindsay_Frase@oxy.com

For "Intent" 24 hour notice required, Name: Carlile, Craig Tel: (970) 629-8279
COGCC contact: Email: craig.carlile@state.co.us

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

API Number 05-123-23511-00
 Well Name: WARDELL Well Number: 20-6
 Location: QtrQtr: SESE Section: 6 Township: 3N Range: 65W 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: 40.248170 Longitude: -104.698420
 GPS Data: GPS Quality Value: 2.4 Type of GPS Quality Value: PDOP Date of Measurement: 04/26/2006

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____

Casing to be pulled: Yes No Estimated Depth: 1650
 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
CODELL	7484	7498			
NIOBRARA	7266	7276			

Total: 2 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	J-55	24	0	673	465	673	0	VISU
1ST	7+7/8	4+1/2	I-80	11.6	0	7641	470	7641	4000	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 260 with 90 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>5</u>	sks cmt from <u>7180</u>	ft. to <u>7120</u>	ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>5</u>	sks cmt from <u>4440</u>	ft. to <u>4380</u>	ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>15</u>	sks cmt from <u>1860</u>	ft. to <u>1700</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"/>
Set _____	sks cmt from _____	ft. to _____	ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 7266 ft. with 145 sacks. Leave at least 100 ft. in casing 7180 CICR Depth
 Perforate and squeeze at 4470 ft. with 95 sacks. Leave at least 100 ft. in casing 4440 CICR Depth
 Perforate and squeeze at 2500 ft. with 210 sacks. Leave at least 100 ft. in casing 1860 CICR Depth
(Cast Iron Cement Retainer Depth)

Set 420 sacks half in. half out surface casing from 1650 ft. to 623 ft. Plug Tagged:
 Set 90 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:

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.
 Courtesy Notifications:
 Courtesy notifications will be sent to all parcel owners with building units within 1,500 feet of the location letting them know about our 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.
 Odor:
 Closed, upright tanks are being utilized to mitigate odor.
 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.

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

Signed: _____ Print Name: Lindsay Frase
 Title: Regulatory Tech Date: 6/13/2022 Email: Lindsay_Frase@oxy.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved by _____
 approval, Curtis

COGCC Approved: _____

Date: 7/8/2022

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 1/7/2023

Condition of Approval

COA Type

Description

	<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) After placing the shallowest hydrocarbon isolating plug (7180'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations.</p> <p>3) Prior to placing the 1650' plug: verify that all fluid migration (liquid and gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>4) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 623' or shallower and provide 10 sx plug at the surface.</p> <p>5) Leave at least 100' of cement in the wellbore for each plug.</p> <p>6) Properly abandon flowlines as per Rule 1105. Pursuant to Rule 911.a. Closure of Oil and Gas Facilities, Operator will submit Site Investigation and Remediation Workplans via Form 27 for COGCC prior approval before cutting and capping the plugged well, conducting flowline abandonment, and removing production equipment.</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>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 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>Operations will be daylight-only.</p>
	<p>Water will be placed on dirt access roads to mitigate dust as needed.</p>
	<p>Closed, upright tanks will be utilized to mitigate odor.</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 our plugging and abandonment operations and providing contact information for Kerr McGee's response line and online resources.</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>7 COAs</p>	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403076972	FORM 6 INTENT SUBMITTED
403076981	PROPOSED PLUGGING PROCEDURE
403076983	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	DWR base of Fox Hills: 571' Deepest water well within 1 mile: 300'	07/08/2022
OGLA	COA's were provided by operator as BMP's under technical detail/comments. OGLA review complete.	07/07/2022
Permit	Confirmed as-drilled well location. No other forms in process. Confirmed productive intervals docnums: 400207966. Reviewed WBD and procedure. Pass.	06/13/2022

Total: 3 comment(s)