

FORM  
6Rev  
11/20

# State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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| DE | ET | OE | ES |
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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 &amp; 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☐ OtherCasing to be pulled: ☒ Yes ☐ No Estimated Depth: 1650Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore 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 5 sks cmt from 7180 ft. to 7120 ft. Plug Type: CASING Plug Tagged: ☐  
Set 5 sks cmt from 4440 ft. to 4380 ft. Plug Type: CASING Plug Tagged: ☐  
Set 15 sks cmt from 1860 ft. to 1700 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 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 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:

#### 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.

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>   |
|  | Operations will be daylight-only.  |
|  | Water will be placed on dirt access roads to mitigate dust as needed.  |
|  | Closed, upright tanks will be utilized to mitigate odor.   |
|  | 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.  |
|  | 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.   |

7 COAs

### 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'<br>Deepest water well within 1 mile: 300'   | 07/08/2022          |
| OGLA              | COA's were provided by operator as BMP's under technical detail/comments.<br>OGLA review complete.  | 07/07/2022          |
| Permit            | Confirmed as-drilled well location.<br>No other forms in process.<br>Confirmed productive intervals docnums: 400207966.<br>Reviewed WBD and procedure.<br>Pass. | 06/13/2022          |

Total: 3 comment(s)