

FORM

6

Rev  
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



DE ET OE ES

Document Number:

403332579

Date Received:

02/28/2023

## 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 Davis

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\_Davis@oxy.com

For "Intent" 24 hour notice required,

Name: Santistevan, Brittani

Tel: (720) 471-1110

COGCC contact:

Email: brittani.santistevan@state.co.us

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

API Number 05-123-19092-00

Well Name: HSR-KNOX

Well Number: 12-3

Location: QtrQtr: NWSW Section: 3 Township: 5N Range: 67W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 64366

Field Name: WATTENBERG Field Number: 90750

### Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.426380 Longitude: -104.886360

GPS Data: GPS Quality Value: 4.5 Type of GPS Quality Value: Date of Measurement: 01/19/2007

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes ☐ No Estimated Depth: 1000Fish 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	7132	7140			
NIOBRARA	6820	6947			

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	625	440	625	0	VISU
1ST	7+7/8	4+1/2	I-80	11.6	0	7273	200	7273	6188	CBL

## 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>5</u> sks cmt from <u>6790</u> ft. to <u>6730</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>19</u> sks cmt from <u>3679</u> ft. to <u>3419</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>55</u> sks cmt from <u>2800</u> ft. to <u>2100</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>55</u> sks cmt from <u>1800</u> ft. to <u>1100</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 6820 ft. with 95 sacks. Leave at least 100 ft. in casing 6790 CICR Depth

Perforate and squeeze at 4319 ft. with 214 sacks. Leave at least 100 ft. in casing 3679 CICR Depth

Perforate and squeeze at 2800 ft. with 165 sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 270 sacks half in. half out surface casing from 1000 ft. to 575 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:

Perforate and squeeze at 1800 ft. with 165 sacks. Leave at least 100 ft. in casing 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 & COGCC 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: Lindsay Davis  
Title: Regulatory Tech Date: 2/28/2023 Email: Lindsay\_Davis@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: McFarland, Nick Date: 3/14/2023

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 9/13/2023

#### 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 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>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 COGCC 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) After placing squeeze at 2800' assure that all fluid migration has been eliminated by monitoring the well for a minimum of 8 hours before proceeding to the next plug. 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 1800' squeeze: verify that all fluid (liquid and gas) migration 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 surface casing shoe plug. If surface casing cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 575' 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) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.</p>
	COA's provided by the operator as Best Management Practices under Technical Detail/ Comments: 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.
	COA's provided by the operator as Best Management Practices under Technical Detail/ Comments: Water will be placed on dirt access roads to mitigate dust as needed. Operations are daylight-only; no lighting impacts are anticipated from operations.
	COA's provided by the operator as Best Management Practices under Technical Detail/ Comments: 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.
	COA's provided by the operator as Best Management Practices under Technical Detail/ Comments: 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.
8 COAs	

### **Attachment List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
403332579	FORM 6 INTENT SUBMITTED
403332594	PROPOSED PLUGGING PROCEDURE
403332600	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Most recent bradenhead test 6/9/22 - 6 psi w/ water. SI since April 2022.  SB5 Base of Fox Hills:  Deepest Water Well Within One Mile: 1,170' Number of Wells: 37  Base of the UPA 1140' - Induction Log  Production within one mile: JSND, CODL, NBRR	03/14/2023
OGLA	OGLA review is complete. Well is not in a HPH area.	03/14/2023
Permit	Confirmed as-drilled well location. Production reporting up-to-date. No other forms in process. Confirmed productive interval docnum: 1199877. Reviewed WBD and procedure. Pass.	02/28/2023

Total: 3 comment(s)