

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



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Document Number:

403367214

Date Received:

04/06/2023

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 & 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: Silver, Randy

Tel: (720) 827-6688

COGCC contact:

Email: randy.silver@state.co.us

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

API Number 05-123-34465-00

Well Name: NORTHGLENN STATE

Well Number: 16-36

Location: QtrQtr: SWSE Section: 36 Township: 1N Range: 68W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 70/8571-S

Field Name: WATTENBERG

Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.003845

Longitude: -104.951440

GPS Data: GPS Quality Value: 1.5 Type of GPS Quality Value: Date of Measurement: 04/16/2012

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☐ Yes ☒ No Estimated Depth:Fish 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	8350	8366			
NIOBRARA	7908	8208			

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	1032	690	1032	0	VISU
1ST	7+7/8	4+1/2	I-80	11.6	0	8916	50	8916	8670	CBL
	7+7/8	4+1/2	I-80	Stage Tool	0	8660	1180	8660	170	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8600 with 2 sacks cmt on top. CIBP #2: Depth 170 with 15 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 7878 ft. to 7815 ft. Plug Type: CASING Plug Tagged: ☐
Set 10 sks cmt from 5315 ft. to 5190 ft. Plug Type: CASING Plug Tagged: ☐
Set 5 sks cmt from 3460 ft. to 3400 ft. Plug Type: CASING Plug Tagged: ☐
Set 5 sks cmt from 1820 ft. to 1760 ft. Plug Type: CASING Plug Tagged: ☐
Set 40 sks cmt from 1135 ft. to 982 ft. Plug Type: CASING Plug Tagged: ☐

Perforate and squeeze at 7908 ft. with 95 sacks. Leave at least 100 ft. in casing 7878 CICR Depth
Perforate and squeeze at 5345 ft. with 90 sacks. Leave at least 100 ft. in casing 5315 CICR Depth
Perforate and squeeze at 3500 ft. with 95 sacks. Leave at least 100 ft. in casing 3460 CICR Depth

(Cast Iron Cement Retainer Depth)

Set 40 sacks half in. half out surface casing from 1135 ft. to 982 ft. Plug Tagged: ☐

Set 15 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:

Set 15 sacks cement from 170 ft. to 0 ft. in Plug Type- Casing Plug Tagged- No

Perforate and squeeze at 1850 ft. with 95 sacks. Leave at least 100 ft. in casing 1820 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: 4/6/2023 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: Haverkamp, Curtis Date: 4/17/2023

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 10/16/2023

COA Type	Description
	Cement placement in or above groundwater zones to be performed in a manner that does not initiate hydraulic fractures.
	<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) Prior to placing cement above the base of the Upper Pierre (approximately 2000') : 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>3) 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 982' or shallower and provide a minimum of 10 sx plug at the surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug without mechanical isolation.</p> <p>5) 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>
4 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403367214	FORM 6 INTENT SUBMITTED
403367255	PROPOSED PLUGGING PROCEDURE
403367256	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: 858' Deepest water well within 1 mile: 950' Base of Upper Pierre estimated: 2000' Bradenhead history: 0 psi Cement above surface casing shoe on CBL doc# 1599109	04/17/2023
OGLA	OGLA review completed. Well is not in an HPH. The operator's plans on the submit tab regarding notices are sufficient for the setting.	04/12/2023
Permit	Confirmed as-drilled well location. Production reporting up-to-date. No other forms in process. Confirmed productive intervals docnum: 400304384. Reviewed WBD and procedure. Pass.	04/10/2023

Total: 3 comment(s)