

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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Document Number:

402667655

Date Received:

04/22/2021

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: Christina Hirtler

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP

Phone: (720) 929-6301

Address: P O BOX 173779

Fax:

City: DENVER State: CO Zip: 80217-

Email: christina_hirtler@oxy.com

For "Intent" 24 hour notice required,

Name: Peterson, Tom

Tel: (970) 370-1281

COGCC contact:

Email: tom.peterson@state.co.us

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

API Number 05-123-15623-00

Well Name: SCHULTZ STATE

Well Number: 16-1

Location: QtrQtr: NENE Section: 16 Township: 4N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 63367

Field Name: WATTENBERG

Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.318447

Longitude: -104.888317

GPS Data: GPS Quality Value: 2.7 Type of GPS Quality Value: PDOP Date of Measurement: 02/10/2009

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes ☐ No Estimated Depth: 1800Fish 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	7231	7250			
NIOBRARA	6981	7125			
SHANNON	4648	4658	10/22/1992	SQUEEZED	

Total: 3 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	K-55	24	0	555	390	555	0	VISU
1ST	7+7/8	4+1/2	L-80	12.6	0	7462	190	7462	6290	CBL
S.C. 1.1						4658	100	4658	4648	CBL
S.C. 1.2						4850	150	4850	4610	CBL
				Stage Tool		4912	270	4870	3872	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6915 with 2 sacks cmt on top. CIPB #2: Depth 4585 with 2 sacks cmt on top.
CIBP #3: Depth with sacks cmt on top. CIPB #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 110 sks cmt from 1800 ft. to 1600 ft. Plug Type: OPEN HOLE Plug Tagged: ☒

Set 16 sks cmt from 50 ft. to 0 ft. Plug Type: CASING Plug Tagged: ☐

Set sks cmt from ft. to ft. Plug Type: Plug Tagged: ☐

Set sks cmt from ft. to ft. Plug Type: Plug Tagged: ☐

Set sks cmt from ft. to ft. Plug Type: Plug Tagged: ☐

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

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(Cast Iron Cement Retainer Depth)

Set 115 sacks half in. half out surface casing from 655 ft. to 505 ft. Plug Tagged: ☐

Set 16 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:

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

Signed: Print Name: Christina Hirtler

Title: Admin Date: 4/22/2021 Email: christina_hirtler@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: 4/30/2021

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 10/29/2021

Condition of Approval

COA Type

Description

	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) After placing the plug at 1800', 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 655' 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 505' 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. Pursuant to Rule 1105.f. Abandonment Verification, within 90 days of an operator completing abandonment requirements for a flowline or crude oil transfer line, an operator must submit a Field Operations Notice, Form 42-Abandonment of Flowlines for on-location flowlines, and a Flowline Report, Form 44, for off-location flowlines or crude oil transfer lines.</p> <p>7) With the Form 6 SRA operator must provide written documentation which positively affirms each COA 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>In accordance with the Notice to Operators (NTO): Timing for COGCC Forms adopted on 05/01/2020, this Form 6 Notice of Intent to Abandon is valid for 12 months from the date of approval expiring on 4/29/2022. This NTO does not alter the deadlines for submission of, or compliance with any other Commission rule or Form.</p>
	<p>This well must be plugged or pass an MIT by 5/31/2021.</p>
	<p>Operator will implement measures to capture, combust, or control emissions 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 health, welfare, and the environment.</p>
	<p>Submit a form 5A to report the Shannon perfs and squeeze. Include any available 3rd party tickets. This Form 5A must be submitted within 30 days for compliance with Rule 416.</p>
6 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402667655	FORM 6 INTENT SUBMITTED
402667687	PROPOSED PLUGGING PROCEDURE
402668510	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	No CBL after Sannon squeeze, or documentation of the squeeze. Emailed operator.	04/29/2021
Engineer	Most recent bradenhead test 11/9/2020 - 1 psi. Last produced in November 2018. MIT is overdue. SB5 Base of Fox Hills Aquifer: N/A Deepest water well within 1 mile: 380' # of wells: 45 Base of Upper Pierre: 1250' - Induction Log Production within one mile: JSND, CODL, NBRR, SNSD	04/29/2021
Permit	Attached WBD. Passed.	04/26/2021
Permit	-Confirmed as-drilled well location. -No other forms in process. -Production reporting up-to-date. -Confirmed NB-CD interval docnum: 1110822. No 5A reporting Shannon perfs and squeeze (other operator). -Cannot open WBD. Please re-attach. -Returned to draft.	04/22/2021

Total: 4 comment(s)