

FORM
6Rev
05/18State of Colorado
Oil and Gas Conservation Commission

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Document Number:

402123268

Date Received:

07/26/2019

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: CHERYL LIGHT

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP

Phone: (720) 929-6461

Address: P O BOX 173779

Fax: (720) 929-7461

City: DENVER State: CO Zip: 80217-

Email: cheryl.light@anadarko.com

For "Intent" 24 hour notice required,

Name: Silver, Randy

Tel: (720) 827-6688

COGCC contact:

Email: randy.silver@state.co.us

API Number 05-123-30121-00

Well Name: BRYANT

Well Number: 24-30

Location: QtrQtr: NESE Section: 30 Township: 2N Range: 68W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: SPINDLE

Field Number: 77900

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.107273

Longitude: -105.038278

GPS Data:

Date of Measurement: 10/14/2009

PDOP Reading: 2.0

GPS Instrument Operator's Name: RENEE DOIRON

Reason for Abandonment: ☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 1850

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	7618	7636			
NIOBRARA	7321	7509			

Total: 2 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
SURF	12+1/4	8+5/8	24	749	198	749	0	VISU
1ST	7+7/8	4+1/2	11.6	7,793	910	7,793	1,884	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7250 with 25 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>25</u> sks cmt from <u>7250</u> ft. to <u>6850</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>10</u> sks cmt from <u>4080</u> ft. to <u>3980</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>10</u> sks cmt from <u>2500</u> ft. to <u>2400</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>50</u> sks cmt from <u>1950</u> ft. to <u>1749</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>50</u> sks cmt from <u>150</u> ft. to <u>0</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>

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

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

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

(Cast Iron Cement Retainer Depth)

Set 115 sacks half in. half out surface casing from 900 ft. to 699 ft. Plug Tagged: ☒

Set 50 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. _____ inch casing Plugging Date: _____
of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No *ATTACH JOB SUMMARY

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: CHERYL LIGHT
Title: Staff Regulatory Analyst Date: 7/26/2019 Email: DJREGULATORY@ANADARKO.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: Jacobson, Eric Date: 8/1/2019

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 1/31/2020

COA Type	Description
	<p>WITH KNOWN BRADENHEAD PRESSURE</p> <p>The plug at 1950' needs to be placed and have an 8 hour WOC to assure that all fluid migration has been stopped. If that doesn't isolate the flow, additional attempts in front of the surface shoe plug will need to be attempted. Other downhole potential squeeze opportunities may need to be looked at before the 900' plug.</p>
	<p>If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations, a Bradenhead test shall be performed.</p> <p>1) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required, and the COGCC engineering staff must be contacted.</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>3) If sampling is required contact COGCC engineering for a confirmation of plugging requirements prior to placing any plugs.</p> <p>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions.</p> <p>The Form 17 shall be submitted within 10 days of the test.</p>
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Prior to placing the 900' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>3) 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 699' or shallower and provide 10 sack plug at surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug.</p> <p>5) Properly abandon on-location flowlines as per Rule 1105. File electronic Form 42 once abandonment is complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line, the operator must submit a Flowline Report, Form 44.</p> <p>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>7) After placing the shallowest hydrocarbon isolating plug (4080'), 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>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>

Attachment Check List

Att Doc Num	Name
402123268	FORM 6 INTENT SUBMITTED
402123286	PROPOSED PLUGGING PROCEDURE
402123287	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Well file verification not completed prior to approval of NOIA	08/01/2019
Engineer	Deepest Water Well within 1 Mile – 595' SB5 Base of Fox Hills - 479'	08/01/2019
Permit	<ul style="list-style-type: none"> •Verified SHL lat./long •Verified perfed intervals via Doc. 1948474 •Verified production reporting 	07/29/2019

Total: 3 comment(s)