FORM 6 Rev 12/05

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: 401412433

Date Received: 09/25/2017

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, COGCC contact: Name: Carlile, Craig Tel: (970) 629-8279 Email: craig.carlile@state.co.us

API Number 05-123-18357-00

Well Name: PSC Well Number: 41-3

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

County: WELD Federal, Indian or State Lease Number:

Field Name: WATTENBERG Field Number: 90750

☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.259940 Longitude: -104.869700

GPS Data:

Date of Measurement: 02/13/2006 PDOP Reading: 2.5 GPS Instrument Operator's Name: Chris Fisher

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems

☐ Other

Casing to be pulled: ☒ Yes ☐ No Estimated Depth: 4245

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	7112	7126			
NIOBRARA	6816	6888			

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	315	276	315	0	VISU
1ST	7+7/8	3+1/2	7.7	7,224	200	7,224	6,338	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6760 with 15 sacks cmt on top. CIPB #2: Depth 80 with 25 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 15 sks cmt from 6760 ft. to 6360 ft. Plug Type: CASING Plug Tagged: ☐

Set 195 sks cmt from 4245 ft. to 3840 ft. Plug Type: OPEN HOLE 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

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 360 sacks half in. half out surface casing from 810 ft. to 265 ft. Plug Tagged: ☒

Set 25 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 Plugging Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ 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: SR REGULATORY ANALYST Date: 9/25/2017 Email: CHERYL.LIGHT@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: McCoy, Diane Date: 10/24/2017

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 4/23/2018

COA Type	Description
	1) Due to past bradenhead pressure; within 30 days prior to starting plugging operations, a bradenhead test shall be performed. The Form 17 shall be submitted within 10 days of the test. Prior to plugging, collect bradenhead and production gas samples for laboratory analysis. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. Copies of all final laboratory analytical results shall be provided to the COGCC within three months of collecting the samples in an approved electronic data deliverable format. 2) Provide 48 hour notice of plugging MIRU via electronic Form 42. 3) Properly abandon flowlines as per Rule 1103. 4) Please submit gyro survey data with Form 6 Subsequent Report of Abandonment. 5) After pumping plug from 4245-3840', shut down and wait on cement at minimum 8 hours; verify gas migration has been eliminated. If evidence of gas migration or pressure remains contact COGCC Engineer for an update to plugging orders. Leave at least 100’ cement in the wellbore for each plug.

Attachment Check List

Att Doc Num	Name
401412433	FORM 6 INTENT SUBMITTED
401412435	PROPOSED PLUGGING PROCEDURE
401412436	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Form 42 on file stating flowlines were abandoned 05/20/2017. Stub plugs are required to have cement half-in (50’ below, inside the casing) and half-out (50’ above) the casing stub. In this case, due to 3.5 inch casing and the intention to use the production casing as the workstring the production casing stub plug is pumped as an open hole plug above the casing stub.	10/24/2017
Public Room	Document verification complete 09/28/17	09/28/2017

Total: 2 comment(s)