

FORM
6Rev
12/05State 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:

401093133

Date Received:

09/01/2016

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: Montoya, John

Tel: (970) 397-4124

COGCC contact:

Email: john.montoya@state.co.us

API Number 05-123-29624-00

Well Name: PIONEER

Well Number: 25-12

Location: QtrQtr: NESW Section: 12 Township: 2N Range: 65W 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: 40.152887

Longitude: -104.612435

GPS Data:

Date of Measurement: 06/08/2009

PDOP Reading: 2.2

GPS Instrument Operator's Name: TRAVIS KRAICH

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

Estimated Depth: 1345

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	7096	7112			
NIOBRARA	6864	6972			

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	771	490	784	0	VISU
1ST	7+7/8	4+1/2	11.6	7,255	539	7,276	2,950	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6810 with 25 sacks cmt on top. CIBP #2: Depth 80 with 25 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 25 sks cmt from 6810 ft. to 6410 ft. Plug Type: CASING Plug Tagged: ☐
Set 45 sks cmt from 4590 ft. to 3990 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

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 380 sacks half in. half out surface casing from 1445 ft. to 721 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: 9/1/2016 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: McCoy, Diane Date: 9/12/2016

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 3/11/2017

COA Type	Description
	<p>1) Within six months prior to plugging, collect bradenhead and production gas samples for laboratory analysis. The gas analysis shall be for composition and stable carbon isotopes. The compositional analysis at a minimum shall include Hydrogen, Argon, Oxygen, Carbon Dioxide, Nitrogen, Methane, Ethene, Ethane, Propene, Propane, Isobutane, Butane, Isopentane, Pentane, Hexanes +, Specific Gravity and British Thermal Units (BTU). Stable carbon isotope analysis shall include delta DC1, delta 13C1, delta 13C2, delta 13C3, delta 13C4, delta 13C5 (if possible), delta 13NC5 (if possible), delta 13C6+ (if possible) and stable isotopes of CO2 if possible. If liquid is encountered in the bradenhead then collect samples, analysis of the liquid samples shall be conducted to provide an evaluation of the liquid source. Submit for the laboratory analysis of major anions (chloride, carbonate, bicarbonate, and sulfate), cations (sodium, potassium, calcium, and magnesium) total dissolved solids (TDS), BTEX, DRO, GRO and dissolved gasses (RSK 175). If there is a limited amount of water available then anions, cations and BTEX should be given first priority. 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.</p> <p>2) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p> <p>4) Production casing stub plug is also surface casing shoe plug; after pumping stub/shoe plug, shut down and wait on cement at minimum 4 hours. Check surface casing pressure, if pressure remains call COGCC for an update to plugging orders in order to verify gas migration has been eliminated. Plug must be tagged at 721' or shallower. Leave at least 100' cement in the wellbore for each plug.</p>

Attachment Check List

Att Doc Num	Name
401093133	FORM 6 INTENT SUBMITTED
401103198	PROPOSED PLUGGING PROCEDURE
401103199	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Must have a cement plug at the stub. The wellbore diagram and proposed plugging procedure show a mud plug at the casing stub. The design needs updated to include a cement plug at the casing stub.	8/31/2016 9:02:47 AM
Public Room	Document verification complete 8/18/16	8/18/2016 11:32:01 AM

Total: 2 comment(s)