

FORM
6Rev
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



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Document Number:

400644408

Date Received:

07/14/2014

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: Carlile, Craig

Tel: (303) 8942100

COGCC contact:

Email: craig.carlile@state.co.us

API Number 05-123-15092-00

Well Name: EISENACH & PRESTON

Well Number: 8-1K

Location: QtrQtr: NENE Section: 8 Township: 3N Range: 66W 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: 40.244306

Longitude: -104.794230

GPS Data:

Date of Measurement: 03/22/2007

PDOP Reading: 3.9

GPS Instrument Operator's Name: Chris Fisher

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

Estimated Depth: 1150

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	7326	7342	10/14/2013	B PLUG CEMENT TOP	7290
J SAND	7702	7719	10/14/2013	B PLUG CEMENT TOP	7819

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	23	520	360	520	0	VISU
1ST	7+7/8	4+1/2	11.6	7,425	200	7,425	6,309	CBL
1ST LINER	3+7/8	2+7/8	6.5	7,925	21	7,925	7,373	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 80 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 680 sks cmt from 1250 ft. to 315 ft. Plug Type: STUB PLUG 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 4685 ft. with 390 sacks. Leave at least 100 ft. in casing 4115 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 680 sacks half in. half out surface casing from 1250 ft. to 315 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:

Perforate and squeeze at 4685 - 4085 ft. with 390 sacks	Leave at least 100 ft. in casing	4115' CICR Depth
Formation Perforations - Top	Perforations - Bottom	Date Abandoned
	Method of Isolation	Plug Depth

Codell 7326'	7342'	10/14/2013	CIBP, Balance
plug 7290', 6349'-7240			
J-Sand 7702'	7719'	10/14/2013	Sand plug,
CIBP 7656'-7819', 7365'			

- Note: Production Casing = 4-1/2" OD, 11.6#/ft, M-75; Production Hole Drilled @ 7 7/8"
- Provide 48 hr notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.). Call foreman or lead operator at least 24 hr prior to rig move. Request they catch and remove the plunger, isolate production equipment and remove any automation prior to rig showing up. Install perimeter fence as needed.
- MIRU slickline services. Pull bumper spring and tag bottom. RDMO slickline services.
- Notify IOC when rig mobilizes to location to generate workorder for flowline removal & one call for line locates.
- Prepare location for base beam equipped rig.
- MIRU, spot minimum of 6500' of 2-3/8" work string.
- Kill well as necessary using clean fresh water with biocide and circulate. ND WH. NU BOP. Unseat landing jt, LD.
- Notify cementers to be on call. Provide volumes listed below:
 - SX Suicide Plug: 448 cu ft/390 sx class "G" w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx (345 sx for 11" + 20% excess and 45 sx 4-1/2" casing, no excess).
 - Stub Plug: 904 cu ft/680 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx (100' in 4-1/2" prod casing, 633' in 11" OH + 40% excess, and 200' in 8-5/8" surface casing).
- MIRU WL. Run CBL from 6300' to surface. If any cement exists, please call Evans Engineering. RD WL
- PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120deg phasing. Shoot 1' of squeeze holes at 4685' and 4085'. RDMO WL.
- PU CICR and RIH w/2-3/8" tubing while hydrotesting to 3000 psi. Set CICR at approximately 30' below the top perf pending collar locator on CBL.
- RU Cementers. Pump 5 bbl water w/biocide, 20 bbl Sodium Metasilicate, and another 5 bbl spacer immediately preceding cement.
- Pump Suicide SX: 448 cu ft/390 sx class "G" w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx to place cement between perfs and in casing. Underdisplace and sting out of CICR to leave 3 bbls on top of retainer.
- PUH 5 stands. Circulate 50 bbls water containing biocide to clear tubing. Then, TOO H and SB remainder of tbg.
- RU WL. Shoot off casing at or below 1150'. RDMO WL. Circulate water containing biocide one full circulation to remove any gas.
- NDBOP, NDTH.
- Install BOP on casing head with 4-1/2" pipe rams.
- TOOH with 4-1/2" casing, LD.
- RIH with 2 3/8 " tubing to 1250'.
- RU Cementers. Spot Stub Plug: 904 cu ft/680 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.8 ppg and 1.33 cf/sx (100' in 4-1/2" prod casing, 633' in 11" OH + 20% excess, and 200' in 8 5/8" surface casing).
- Circulate 5 bbls water containing biocide to clear tubing.
- TOOH. WOC 4 hrs. Tag Cement. Cement top needs to be above 315'; Proceed assuming TOC is above 315'. Otherwise, call production engineer.
- MIRU WL. RIH 8 5/8" CIBP to 80'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.
- Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hrs of the completion of the job.
- Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
- Excavation crew to notify One Call

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: 7/14/2014 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: SCHLAGENHAUF, MARK Date: 7/23/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 1/22/2015

COA Type	Description
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing contact COGCC for plugging modifications. 3) For 1250' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 465' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit contractor records confirming setting of existing plugs for Jsand and Niobrara/Codell.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400644408	FORM 6 INTENT SUBMITTED
400644411	PROPOSED PLUGGING PROCEDURE
400644412	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 3/25/1992 & 11/18/2002.	7/15/2014 9:05:20 AM

Total: 1 comment(s)