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

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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: JOHNSON, RANDELL Tel: (303) 815.9641 Email: randell.johnson@state.co.us

API Number 05-123-21953-00

Well Name: STREAR Well Number: 6-15

Location: QtrQtr: SENW Section: 15 Township: 2N 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: 40.140540 Longitude: -104.878930

GPS Data:

Date of Measurement: 08/26/2006 PDOP Reading: 2.1 GPS Instrument Operator's Name: Steve Fisher

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

☒ Other Wellbore is too close to new horizontal lateral

Casing to be pulled: ☒ Yes ☐ No Estimated Depth: 1240

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	7586	7598			
NIOBRARA	7318	7382			

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	727	480	727	0	VISU
1ST	7+7/8	4+1/2	11.6	7,731	480	7,731	4,050	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7290 with 2 sacks cmt on top. CIPB #2: Depth 100 with 8 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 30 sks cmt from 7295 ft. to 6850 ft. Plug Type: CASING Plug Tagged: ☒

Set 70 sks cmt from 5200 ft. to 4280 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 400 sacks half in. half out surface casing from 1340 ft. to 520 ft. Plug Tagged: ☒

Set 8 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:

STREAR 6-15
1 Call Foreman or Lead Operator at least 24 hr prior to rig move. Request that they catch and remove plunger, isolate production equipment and remove any automation equipment prior to the rig showing up. Install perimeter fence as needed.
2 Gyro not needed – obtained on 3/28/12
3 Notify CDC when rig moves on location to generate workorder for flowline removal and one call for line locates.
4 Prepare location for base beam rig.
5 Notify cement vendor of expected volumes and blends
6 MIRU WO rig. Kill well using water and biocide. ND wellhead.NU BOP.
7 PUH w/ tbg to break any sand bridges, noting not to exceed the safety tensile load of 2-3/8", 4.7# tbg of 57,3847 lbs. (80% of upset joint yield strength).
8 TOOH with 2-3/8" tbg and stand back.
9 MIRU WL. RIH with Junk Basket/Gauge Ring on WL to ± 7300'. TOOH with Junk Basket/Gauge Ring.
10 PU and RIH with CIBP for 4-1/2", 11.6#, I-70 production casing. Set CIBP at 7290' (27' above NB perfs due to coupling @ 7305'). POOH. Pressure test CIBP to 1000 psi for 15 min. RDMO WL.
11 Run tbg to spot a 450' long balanced plug over CIBP @ 7290' to 6840.
12 MIRU Cementing services. Pump 30 sx of cement (Class G w/ 20% Sillica four, 0.4% CD-32, 0.4% ASA-301 and R-3 mixed at 15.8 ppg and 1.38 cuft/sx) on CIBP to reach an estimate TOC @ 6850' inside 4-1/2" production casing. Pull 2 stand tbg and circulate hole with min 9.0 ppg drilling mud (150 bbls, 1.5 volume of hole). Circulate to get any cement out of the hole. POOH. RD Cementer.
13 WOC for 4 hours
14 TIH with tubing and tag cement, if tag is less than 6900' contact Anne Kremer to discuss.
15 PUH to 5200' and spot a 920' long balanced plug over the Sussex/Shannon interval.
16 RU cementer. Pump 70 sx of cement ("G" w/ 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-30) from 5200' and 4280'.
17 PUH to 3880' (400' above estimated top of cement) with 2-3/8" tubing and circulate conventionally with drilling mud until no cement returns to surface.
18 P & SB tubing for next depth (1340'), LD remainder. Circulate wellbore with drilling mud. RD cementer.
19 MIRU WL. TIH with jet cutter and cut casing at the "closest joint" to 1240' (100' below bottom of aquifer). RDMO WL.
20 ND BOP & tbg head.
21 NU BOP w/ 4-1/2" pipe rams on the 8-5/8" csg head.
22 PU csg. Circulate wellbore with drilling mud. TOOH and LD 4-1/2" csg. If unable to pull production csg contact engineer/COGCC for plugging modification.
23 TIH with tbg open ended to land EOT @ 1340', 100' below production casing stub at 1240'.
24 MIRU cementer. Spot 400 sx of cement (Type III w/ CaCl2 and .25 pps cello flake) from 100' below the 4-1/2" stub to at least 200' inside the surface casing (plug from 1340'-520'). TOOH w/ tubing and stand back 600' tbg in derrick. RDMO Cementer.
25 WOC 4 hours or overnight.
26 TIH with tbg and tag cement plug, If tag is below 620' contact Anne Kremer and discuss options. Record tagging plug in Openwells report. Lay down all tbg.
27 RU WL. Set 8-5/8" CIBP above cement top at approximately 100'. Pressure test CIBP to 1000 psi for 15 min. (If CIBP does not hold contact Evans engineer and do not RDMO WO rig).
28 RDMO WO rig.
29 Wellsite supervisor turn all paper copies of cementing reports/invoices and logs in to Sabrina Frantz.
30 NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to Sabrina Frantz.
31 Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.
32 Check top of cement inside 8-5/8" surface casing. If cement is not of sufficient height (less than 25' below ground level), place redi-mix cementer on will call.
33 Excavate hole around surface casing of sufficient size and depth to allow welder to cut off 8-5/8" surface casing at least 5' below ground level.
34 Have welder cut off 8-5/8" surface casing at least 5' below ground level.
35 MIRU ready cement mixer.

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: 12/12/2013 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: 12/16/2013

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 6/15/2014

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) Leave at least 100’ cement in the wellbore for each plug. 4) For 1340' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 670’ or shallower. 5) Properly abandon flowlines as per Rule 1103.

Attachment Check List

Att Doc Num	Name
400525870	FORM 6 INTENT SUBMITTED
400525873	PROPOSED PLUGGING PROCEDURE
400525874	WELLBORE DIAGRAM
400525875	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Permit	Well Completion report dated 10/12/2004.	12/16/2013 8:48:18 AM

Total: 1 comment(s)