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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Date Received: 08/13/2014

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, COGCC contact: Name: Johnson, Randell Tel: (303) 815-9641 Email: randell.johnson@state.co.us

API Number 05-123-07313-00

Well Name: SUCKLA FARMS B Well Number: 1

Location: QtrQtr: SWNE Section: 33 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: 40.098400 Longitude: -104.891230

GPS Data:

Date of Measurement: 06/17/2008 PDOP Reading: 2.6 GPS Instrument Operator's Name: Cody Mattson

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

☐ Other

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

Fish in Hole: ☐ Yes ☒ No If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes ☒ No If yes, explain details below

Details: 12/12/95: squeeze perfs @ 4950' cemented w/200 sx. CBL on file. 12/14/95: Squeeze perfs @ 4350' cemented w/250 sx. CBL on file. 12/19/95: squeeze perfs @ 4290' cemented w/200sx. CBL on file. 12/22/95: Csing leak @ 150' cemented w/ 100sx. No CBL. 1/21/96: Casing was cut and patched @ 160'.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7676	7698			
J SAND	8110	8144			

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	657	550	657	0	VISU
1ST	7+7/8	4+1/2	10.5/11.6	8,250	200	8,250	7,450	CBL
S.C. 1.1				4,950	250	5,000	4,710	CBL
S.C. 2.1				4,350	200	4,355	4,310	CBL
S.C. 3.1				4,290	200	4,310	4,270	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8030 with 2 sacks cmt on top. CIPB #2: Depth 7600 with 2 sacks cmt on top.

CIBP #3: Depth 80 with 9 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 _____ 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: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 7420 ft. with 150 sacks. Leave at least 100 ft. in casing 7010 CICR Depth

Perforate and squeeze at 5350 ft. with 240 sacks. Leave at least 100 ft. in casing 5090 CICR Depth

Perforate and squeeze at 1450 ft. with 480 sacks. Leave at least 100 ft. in casing 690 CICR Depth

(Cast Iron Cement Retainer Depth)

Set _____ sacks half in. half out surface casing from _____ ft. to _____ ft. Plug Tagged: ☐

Set 9 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 7420/6980' ft. with 150 sacks Leave at least 100 ft. in casing 7010' CICR Depth
Perforate and squeeze at 5350/5060' ft. with 240 sacks Leave at least 100 ft. in casing 5090' CICR Depth
Perforate and squeeze at 1450'/660' ft. with 480 sacks Leave at least 100 ft. in casing 690' CICR Depth
SUCKLA FARMS B 1
1 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 IOC (970-506-5980) at least 24 hr prior to rig move. Request they catch and remove plunger, isolate production equipment and remove any automation prior to rig MIRU.
2 MIRU slickline services. Pull bumper spring and tag bottom. RDMO slickline services.
3 Prepare location for base beam equipped rig. Install perimeter fence as needed.
4 Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL.
5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.
6 TOOH and stand back 2 3/8" production tubing (262 jts landed @ 8092').
7 PU scraper for 4 1/2" 11.6# casing. TIH on 2 3/8" tbg to 8050'. TOH, standing back tbg. LD scraper.
8 MIRU WL. RIH 4 1/2" CIBP and set at 8030' to abandon J sand perfs. PU dump bailer and spot 2 sx cement on CIBP.
9 RIH 4 1/2" CIBP and set at 7600' to abandon Codell perfs. Pressure test casing to 1000 psi for 15 minutes. PU dump bailer and spot 2 sx cement on CIBP.
10 Run CBL/VDL from 7550' to surface to determine cement coverage from shallow squeeze work. Forward results to Evans Engineering.
11 PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 7420' and 6980'. RDWL
12 PU CICR on 2 3/8" tbg. RIH to 7010' while hydro-testing tbg to 3000 psi. Set CICR @ 7010'.
13 RU Cementers. Pump Niobrara Suicide: 150 sx 50/50 Poz "G" w/ 20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 mixed at 13.5 ppg and 1.71 cf/sk (257 cuft of slurry). Underdisplace and sting out of CICR to leave 3 bbls cmt on top of retainer. Volume based on 9.5" hole size w/ 20% excess. Caliper log on file.
14 POH 10 stands and circulate tbg clean using fresh water treated with biocide. POH standing back 5090' of tbg.
15 RUWL. PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 5350' and 5060'. RDWL.
16 PU CICR on 2 3/8" tbg. RIH and set CICR at 5090'.
17 RU Cementers. Pump 5 bbl water w/ biocide, 20 bbl Sodium Metasilicate, and another 5 bbl spacer immediately preceding cement.
18 Pump Shannon Suicide: 240 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 cuft/sk (276 cuft of slurry) to place suicide squeeze between perfs. Underdisplace and sting out of CICR to pump the final 14 bbls cement on top of retainer. Cement volume based on 10.5" hole with 20% excess (Caliper log on file) plus 1160' cmt in 4 1/2" csg. ID cement to provide coverage for old squeeze perfs @ 4290', 4350', and 4950'.
19 POH 25 stands. Circulate water containing biocide to clear tubing. POH standing back ~690' of tbg.
20 RUWL & PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 1450' and 660'. Adjust perf depths as necessary per CBL. RD WL.
21 RIH w/CICR on 2 3/8" tbg. Set at 690'+/-10' per CCL.
22 RU Cementers. Pump Suicide job: 480 sx (638 cuft.) Type III cement w/ 0.25 pps cello flake and CaCl2 as deemed necessary mixed at 14.8 ppg and 1.33 cf/sk (1000' inside 4 1/2" Casing and 790' in 10.5" OH + 40% excess). Sting out of CICR early and spot the final 4 bbls (22 cuft) of cmt on top of retainer to leave cement 450' from surface in 4 1/2" casing.
23 TOOH. WOC per cementing company recommendation. Tag Cement. TOC should be at or above 550'. If not, consult Evans Engineering.
24 MIRU WL. RIH 4 1/2" CIBP to 120'. Set and PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.

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: 8/13/2014 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: 8/24/2014

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 2/23/2015

COA Type	Description
	Note change in plugging procedure: 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) For 1450' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 100' or shallower to cover casing patch and squeeze. Increase cement volumes accordingly. 3) Move CIBP#3 from 120' to above tag or 80' (or higher if tag is less than 80'). 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num	Name
400663024	FORM 6 INTENT SUBMITTED
400663029	PROPOSED PLUGGING PROCEDURE
400663030	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Permit	Well Completion Reports dated 6/21/1971 & 10/22/1996.	8/14/2014 9:25:13 AM

Total: 1 comment(s)