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

API Number 05-123-15136-00

Well Name: WEBER L Well Number: 4-6

Location: QtrQtr: SENW Section: 4 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: 40.255976 Longitude: -104.784833

GPS Data:

Date of Measurement: 07/05/2006 PDOP Reading: 2.8 GPS Instrument Operator's Name: Paul Tappy

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

☐ Other

Casing to be pulled: ☒ Yes ☐ No Estimated Depth: 1120

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	7310	7327			

Total: 1 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	412	290	412	0	VISU
1ST	7+7/8	2+7/8	8.7	7,452	300	7,452	6,500	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7260 with 20 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 20 sks cmt from 7260 ft. to 6270 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: ☐

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

Perforate and squeeze at 4560 ft. with 455 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 635 sacks half in. half out surface casing from 1120 ft. to 312 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:

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 automation removal group 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 Tubing possibly parted at 3000', no slickline operations planned prior to fishing tubing. Deliver additional 1.66" tubing to replace
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. Form 17 on 3/4/2015 reported 13 psi on the surface casing that blew down to 1 psi after 30 minute blow down.
5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.
6 TOOH and SB 1.66" production tubing (229 jts landed @ 7277'). NOTE: Tubing is possibly parted at ~3000'. Plan to pull as much tubing as possible, then fish remainder of the string.
7 PU casing scraper for 2 7/8" 8.7 #/ft casing and RIH to 7270'. TOOH and LD scraper, SB tbg.
8 MIRU WL. Run gyro from 3000' to 7300' with stops every 100'. Tie into previous gyro ran by Vaughn on 11/14/2014.
9 PU 2 7/8" CIBP for 8.7 #/ft casing and RIH on wireline to 7260'. Set CIBP at 7260'. RD WL.
10 Pressure test CIBP and production casing to 2500 psi for 15 minutes. If pressure test passes, continue; otherwise, contact engineering for revised procedure steps prior to spotting stub plug in step 23.
11 MIRU hydrotester. Hydrotest 1.66" tubing to 3000 psi down to 7260'. Tag CIBP and pick up 5'.
12 MIRU cementers. Pump Niobrara Balanced Plug: 20 sx (27.6 cuft) "G" w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 to achieve 2:30 pump time, mixed at 15.8 ppg and 1.38 cuft/sx. The plug will cover 7260' to 6270'. Volume based on 990' inside 2 7/8" production casing with no excess. RD cementers.
13 PUH to 6000' and circulate tubing clean to ensure no cement is left in the tubing.
14 TOOH and LD all 1.66" tubing.
15 MIRU WL. PU and RIH with 2' of 1-11/16" perf gun with 3 spf, 0.37" EHD, 120° phasing. Shoot 2' of squeeze holes at 4560'. RD WL.
16 Establish injection by pumping greater than 1 bpm without exceeding a 3000 psi pump pressure. If injection not established, contact Evans Engineering.
17 MIRU cementers on the 2 7/8" casing. Precede cement with 5 bbl water, 20 bbl sodium metasilicate, and a 5 bbl water spacer. Pump Sussex squeeze: 455 sx (523 cuft) Class "G" cement with 0.25 pps cello flake, 0.4% CD- 32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft.sx (560' in 12" OH from caliper with 20% excess, 560' in 2 7/8" casing with no excess). The plug will cover 4560'-4000'. Drop wiper plug and displace to 4000' using 20 bbls water. RDMO cementers.
18 WOC per cement company recommendation.
19 MIRU WL. RIH and tag wiper plug/cement at 4000' or shallower. If tag is deeper than 4000', contact Evans Engineering.
20 Cut casing at 1120'. RDMO WL.
21 Circulate with fresh water containing biocide to remove any gas.
22 NDBOP, NDTH. Install BOP on casing head with 2 7/8" pipe rams. If casing PT to 2500 psi passed in step 10, proceed; otherwise, TOOH and hydrotest back in the hole.
23 MIRU Cementers. Establish circulation and pump 10 bbl (min) SAPP followed by a 20 bbl fresh water spacer. Pump stub plug: 635 sx (845 cuft) Type III w/ cello flake and CaCl2 as deemed necessary, mixed at 14.8 ppg and 1.33 cuft/sx (703' in 12" OH with 40% excess, 112' in 8 5/8" csg with no excess). The plug will cover 1115'-300'. RD cementers.
24 Pull up to 100' and circulate tubing clean using fresh water treated with biocide. TOOH.
25 WOC per cement company recommendation. Tag cement. Cement top needs to be above 312'.
26 MIRU WL. RIH 8 5/8" CIBP to 80'. Set and pressure test to 1000 psi for 15 minutes. 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: 4/22/2015 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: 6/12/2015

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 12/11/2015

COA Type	Description
	1) Provide COGCC with confirmation of 2 7/8" 8.7# production casing prior to MIRU as COGCC records show 6.4# casing in this well. 2) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 3) If unable to pull casing contact COGCC for plugging modifications. 4) For 1120' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 362' or shallower. 5) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 6) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num	Name
400828733	FORM 6 INTENT SUBMITTED
400828869	PROPOSED PLUGGING PROCEDURE
400828871	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Permit	Well Completion Report dated 10/16/1991.	4/27/2015 3:22:45 PM

Total: 1 comment(s)