

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



DE ET OE ES

Document Number:

400813428

Date Received:

03/23/2015

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: (970) 629-8279

COGCC contact:

Email: craig.carlile@state.co.us

API Number 05-123-22155-00

Well Name: PLUTT P

Well Number: 1-13

Location: QtrQtr: SWSW Section: 1 Township: 3N 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: 40.248070

Longitude: -104.847340

GPS Data:

Date of Measurement: 07/11/2007

PDOP Reading: 2.7

GPS Instrument Operator's Name: Paul Tappy

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

Estimated Depth: 910

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	7229	7246			

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	409	162	409	0	VISU
1ST	7+7/8	4+1/2	11.6	7,398	130	7,398	6,642	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7170 with 35 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 35 sks cmt from 7170 ft. to 6620 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 4360 ft. with 210 sacks. Leave at least 100 ft. in casing 3980 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 250 sacks half in. half out surface casing from 1010 ft. to 309 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:

5 MIRU slickline services. Pull bumper spring and tag bottom. Run a gyro directional survey from EOT @ 7212' to surface with 100' stations. Run a bottom-hole pressure survey from mid-perf Codell @ 7238' to surface with gradient stops every 1000'. Forward results of both surveys to Sabrina Frantz in Evans Engineering. RDMO slickline services. NOTE: BHP survey must be completed before well is blown down or killed!

6 MIRU well service unit, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD. Tbg is landed @ 7212' KB w/ 223 jts.

7 TOO and stand back 7170' 2 3/8" tbg. LD remainder.

8 MIRU WL. RIH gauge ring for 4 1/2" 11.6# casing to 7200'. POH.

9 RIH 4 1/2" CIBP and set @ 7170' to abandon Codell perfs. Pressure test CIBP and casing to 1000 psi for 15 minutes. RDWL.

10 TIH w 2 3/8" tbg open ended to CIBP at 7170'. Hydro -test tbg to 3000 psi.

11 RU cementers and equalize a cement plug above CIBP from 7170' to 6620' as follows: 35 sx "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/sk. (48 cuft of slurry).

12 POH 15 stands and circulate tbg clean using fresh water treated with biocide. TOO standing back 3980' of tbg.

13 RUWL. PU 2 - 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 4360' and 2' of squeeze holes at 3950'. RDWL.

14 PU CIBP on 2 3/8" tbg. RIH and set CIBP at 3980'.

15 RU Cementers. Establish circulation and pump 5 bbl water w/ biocide, 20 bbl Sodium Metasilicate, and another 5 bbl spacer immediately preceding cement.

16 Pump Sussex suicide squeeze: 210 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 (242 cuft of slurry) to place cement between perfs. Underdisplace and sting out of CIBP to leave 3 bbls cement on top of retainer. Cement volume based on 9 1/2" hole with 20% excess. Caliper log on file.

17 POH 15 stands. Circulate water containing biocide to clear tubing. POH standing back ~1010' of tbg.

18 RU WL. Cut casing at 910'. Circulate bottoms up and continue circulating to remove any gas from wellbore. RDMO WL. NOTE: Due to a history of Bradenhead pressure it is important to circulate all gas out of the wellbore before cementing.

19 ND BOP and tubing head. Install BOP on surface casing head with 4 1/2" pipe rams. Install 3000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet.

20 TOO and LD 4 1/2" casing. Change pipe rams to 2 3/8".

21 RIH with 2 3/8" tubing open-ended to 1010' (100' inside 4 1/2" stub).

22 RU cementers. Establish circulation with water and pump 10 bbl SAPP (Sodium Acid Pyrophosphate) followed by 20 bbl (min.) fresh water spacer immediately preceding cement.

23 Pump balanced Stub Plug: 250 sx Thixotropic cement mixed at 13.5 ppg and 1.74 cf/sx (435 cuft of slurry). Cement volume based on 100' in 4 1/2" csg, 209' in 8 5/8" csg, and 501' in 9 1/2" OH + 40% excess.

24 TOO. WOC per cementing company recommendation. Tag Cement. TOC should be at or above 309'. If not, consult Evans Engineering.

25 MIRU WL. RIH 8 5/8" CIBP to 80'. Set and PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.

26 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hrs of completion of the job.

27 Supervisor submit paper copies of all invoices, logs, and reports to the Evans Engineering Specialist.

28 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.

29 Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.

30 Welder cut 8 5/8" casing minimum 5' below ground level.

31 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).

32 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.

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: 3/23/2015 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: 4/2/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 10/1/2015

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 1010' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 359' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num**Name**

400813428	FORM 6 INTENT SUBMITTED
400813429	PROPOSED PLUGGING PROCEDURE
400813430	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group**Comment****Comment Date**

Permit	Well Completion Report dated 8/16/2004.	3/24/2015 12:46:19 PM
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Total: 1 comment(s)