

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:

400648063

Date Received:

07/21/2014

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 05-123-18639-00

Well Name: STATE

Well Number: 16-13J7

Location: QtrQtr: SESW Section: 16 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: 40.219770

Longitude: -104.897640

GPS Data:

Date of Measurement: 03/22/2006

PDOP Reading: 2.7

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: 4300

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes☒ No

If yes, explain details below

Details: Codell perms will be abandoned with a CIBP and cement plug.
Sussex and Fox Hills will be isolated with cement plugs.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7304	7324			

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	9+7/8	7	17/20	474	195	474	0	VISU
1ST	6+1/4	3+1/2	7.7	7,448	100	7,448	6,384	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7220 with 25 sacks cmt on top. CIBP #2: Depth 80 with 16 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 120 sks cmt from 4300 ft. to 3900 ft. Plug Type: OPEN HOLE Plug Tagged: ☒
Set 25 sks cmt from 7220 ft. to 6550 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 140 sacks half in. half out surface casing from 900 ft. to 270 ft. Plug Tagged: ☒

Set 16 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:

We need to plug well by 07/31/14. Questions please contact Brent Marchant - Production Engineering Manager - 970-506-5862
Office - 970-301-1605 Cell
brent.marchant@anadarko.com

PLUG AND ABANDONMENT PROCEDURE
STATE 16-13J7

Step Description of Work

- 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 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 MIRU.
- 2 Notify IOC when rig mobilizes to location to generate workorder for flowline removal & one call for line locates.
- 3 Prepare location for base beam equipped rig. Install perimeter fence as needed.
- 4 MIRU, kill well as necessary using fresh water with biocide. ND WH. NU BOP. Unseat landing jt.
- 5 TOOH and stand back 2.063" IJ tbg. 229 jts = 7298' reported in hole.
- 6 MIRU WL. RIH gauge ring for 3 1/2" 7.7#/ft casing to 7300'. RIH CIBP w/ WL. Set at 7220'. PT Casing to 1000 psi for 15 minutes. RDWL.
- 7 TIH w/ 2.063" tbg open-ended to CIBP @ 7220', hydrotesting to 3000 psi.
- 8 RU cementers and spot a balanced plug in 3 1/2" casing from 7220' - 6550' as follows: 25 sx "G" w/20% silica flour, 0.4% CD-32, 0.4% ASA-100 and R-3 to achieve 2:30 pump time. (34 cuft of slurry)
- 9 Pull and LD tbg to ~6000' and reverse circulate clean w/fresh water treated with biocide.
- 10 TOOH and LD remaining 2.063" tbg.
- 11 ND BOP and wellhead. Install BOP on surface casing head with 3 1/2" pipe rams. Install 3000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet.
- 12 RU WL. RIH with linear cutter or chemical cutter and cut off 3 1/2" casing at 4300' per CCL. RDMO WL. Circulate bottoms up using drilling mud and continue circulating to remove any gas from wellbore.
- 13 MIRU cementers and equalize an open-hole plug from 4300' to 3900': 120 sx "G" w/ 0.25pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sk; 138 cuft of slurry. Precede cement with 20 bbl sodium metasilicate and 5 bbl water spacers. Cement volume based on 7" hole size with 20% excess (Caliper log on file).
- 14 Pull 3 1/2" tbg up to ~3000' and circulate clean. WOC per cement company recommendation.
- 15 Tag plug at 3900'. LD 3 1/2" to bring end of tbg to 900'.
- 16 RU Cementers. Equalize cement plug from 900' to 270': 140 sx Type III w/0.25 pps cello flake and CaCl₂ as necessary mixed at 14.8 ppg and 1.33 cuft/sk; 140 cuft of slurry. Volume based on 7" hole 900' - 474' with 20% excess, and 7" surface casing 474'-270'.
- 17 TOH and WOC per cement company recommendation.
- 18 Tag cement to confirm TOC is at or above 374'.
- 19 MIRU WL. Run and set 7" CIBP at 80'. PT CIBP and surface casing 1000 psi for 15 min. Assuming successful test, RD wireline and rig.
- 20 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.
- 21 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
- 22 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
- 23 Excavate hole around surface casing enough to allow welder to cut 7" casing minimum 5' below ground level.
- 24 Welder cut 7" casing minimum 5' below ground level.
- 25 Fill surface casing with 4500 psi compressive strength cement, (NO gravel).
- 26 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
- 27 Properly abandon flowlines per Rule 1103.
- 28 Obtain GPS location data per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
- 29 Back fill hole with fill. Clean location, level.
- 30 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed. File electronic Form 42 once abandonment complete.

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: 7/21/2014 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: 7/24/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 1/23/2015

<u>COA Type</u>	<u>Description</u>
	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 900' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 424' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400648063	FORM 6 INTENT SUBMITTED
400648065	PROPOSED PLUGGING PROCEDURE
400648066	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 2/15/1995.	7/24/2014 3:53:52 PM

Total: 1 comment(s)