

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:

400662550

Date Received:

08/12/2014

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 05-123-17383-00

Well Name: LDS

Well Number: T 13-3

Location: QtrQtr: NENW Section: 13 Township: 3N Range: 68W 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: 40.231224

Longitude: -104.953684

GPS Data:

Date of Measurement: 03/30/2010

PDOP Reading: 2.8

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: 900

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes☒ No

If yes, explain details below

Details: Well had a casing patch installed and cemented in place with 390 bbls at 2687' on 3/1/1996, Passed a PT to 5000 psi following installation.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7249	7267			
J SAND	7046	7056			

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	313	220	313	0	VISU
1ST	7+7/8	3+1/2	7.7	7,412	430	7,412	6,200	CBL
S.C. 1.1				7,412	200	5,000	3,230	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6980 with 20 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 30 sks cmt from 4450 ft. to 3850 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 _____ 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 380 sacks half in. half out surface casing from 1000 ft. to 100 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:

PLUG AND ABANDONMENT PROCEDURE
LDS T 13-3

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 rig showing up. Install perimeter fence as needed.

2 MIRU Slickline. Pull bumper spring and tag TD.

3 Prepare location for base beam equipped rig.

4 MIRU workover rig. Circulate well with water w/ biocide to kill the well. ND wellhead. NU BOPs. Unseat landing jt.

5 POOH 2-1/16" tbg and stand back.

6 MIRU Wireline. PU gauge ring for 3-1/2" 7.7# and RIH to 7030'. POOH and LD gauge. (Csg patch @ 2687', assumed to be external patch cemented in place)

7 RIH with 3-1/2" CIBP to 6980'. PT csg to 1000 psi. RDMO Wireline.

8 Notify Cementers to be on call.

9 RIH on 2-1/16" tbg while hydrotesting to 3000 psi. Tag CIBP at 6980' and pick up 5'.

10 "RU Cementers. Pump Niobrara balanced plug on top CIBP: 28 cu-ft (20 sks) "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. Calculated top in the 3-1/2" csg is 6440'.

11 PUH to leave end of 2-1/16" tbg at 4450' while circulating hole clean.

12 RU Cementers. Spot Sussex balanced plug: 34.5 cu-ft (30 sks) "G" w/0.25pps cello flake, 0.4% CD-32, 0.4% ASA-301 with CaCl₂ as necessary. Mixed at 15.8 ppg, 1.15 cuft/sack. Calculated top of plug 3850' based in the 3-1/2" csg. POH to ~3700' and circulate hole clean. WOC per cement company recommendation.

13 Tag top of plug at 3850'. POOH, standing back 1000' and laying down the rest.

14 ND BOP and wellhead. Install a 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.

15 MIRU Wireline. Free point and cut off 3-1/2" csg at 900'. RDMO WL. Circulate bottoms up using water and biocide to remove any gas from wellbore. Note: Cement placed around patch at 2687'. Insufficient details available.

16 POOH and LD 3-1/2" csg. Remove the 3-1/2" pipe rams and Install 2-1/16" pipe rams.

17 RIH w/ 2-1/16" tbg open ended 100' past the 3-1/2" csg stub to 1000'.

18 MIRU Cementers. PumpFox Hills plug: Pump mud flush of 10 bbls SAP and 20 bbl water ahead of 505 cu-ft (380 sx) Type III w/cello flake and CaCl₂ as deemed necessary, mixed at 1.33 cf per sack, 14.8 ppg. POH and WOC per cementing company recommendation. Plug size is based on 9.5" hole with 40% excess covering 1000' to shoe of surface casing at 313' plus capacity of surface casing to 100'. PUH to 100' and Circulate out any excess cmt. TOH and WOC per cement company recommendation.

19 RIH and tag top of plug at 100'. POOH and LD 2-1/16" tbg.

20 RU wireline. Run and set CIBP in the 8 5/8", 24# surface casing at 80'. PT CIBP and surface casing to 1000 psi for 15 minutes. Assuming successful test, RD wireline.

21 RDMO workover rig.

22 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.

23 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.

24 Excavation crew to notify One Call to clear area around wellhead and flowlines.

25 Excavate hole around surface casing of sufficient size to allow welder to cut off 8 5/8" casing at least 5' Below ground level (depending on land owner requirements).

26 Properly abandon flowlines per Rule 1103.

27 Fill surface casing with cement (4500 psi compressive strength, no gravel).

28 Spot weld steel marker plate on top of sfc casing stub. Marker shall be labeled with well name, well number, legal location (1/4 1/4 descriptor) and API number.

29 Back fill hole with native material. Reclaim location to landowner specifications

30 Submit Form 6 to COGCC. Provide "As plugged" wellbore diagram identifying the specific plugging completed.

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: 8/12/2014 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: 8/17/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 2/16/2015

<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 1000' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 263' or shallower. 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

<u>Att Doc Num</u>	<u>Name</u>
400662550	FORM 6 INTENT SUBMITTED
400662559	PROPOSED PLUGGING PROCEDURE
400662560	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well completion Report dated 7/10/1995.	8/13/2014 8:56:17 AM

Total: 1 comment(s)