

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:

400766515

Date Received:

01/07/2015

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: Montoya, John

Tel: (970) 397-4124

COGCC contact:

Email: john.montoya@state.co.us

API Number 05-123-09990-00

Well Name: ELTON N. MILLER GU B

Well Number: 2

Location: QtrQtr: NWNW Section: 7 Township: 2N 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: 40.156600

Longitude: -104.825680

GPS Data:

Date of Measurement: 03/06/2006

PDOP Reading: 2.2

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: 1170

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	7340	7360			
J SAND	7774	7842			

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	573	425	573	0	CALC
1ST	7+7/8	4+1/2	10.5	7,970	200	7,970	7,100	CBL
S.C. 1.1				4,214	305	4,214	4,040	CBL
S.C. 1.2				4,724	255	4,724	4,320	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7710 with 2 sacks cmt on top. CIPB #2: Depth 7280 with 2 sacks cmt on top.
CIBP #3: Depth 80 with 25 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 55 sks cmt from 4810 ft. to 4120 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 7080 ft. with 115 sacks. Leave at least 100 ft. in casing 6710 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 440 sacks half in. half out surface casing from 1270 ft. to 470 ft. Plug Tagged: ☒

Set _____ 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:

6 Spot 25 jts of 2-3/8" 4.7# J-55 8RD EUE tbq.
 7 MIRU WO rig. Kill well with fresh water and biocide. ND WH, NU BOP.
 8 PU tbq to break any possible sand bridges. Do not exceed 80% of tubing tensile strength, or 57,360 lb. LD landing jt. TOO H with 2-3/8" tbq.
 9 Notify cementers of the needed volumes: 115 sx of 50/50 Poz "G" w/ 20% silica flour, 3% gel, 0.4% FL-52, and 0.1% sodium metasilicate mixed at 13.5 ppg and 1.71 cf/sk (Niobrara suicide squeeze); 55 sx Class G w/ 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sk (Sussex balanced plug); 440 sx Type III cement with ¼ pps cello flake and CaCl₂ mixed at 14.8 ppg and 1.33 cf/sk (FHM stub plug).
 10 MIRU WL. RIH gauge ring for 4-1/2" 10.5# csg to 7750'.
 11 RIH with 4-1/2" CIBP (4-1/2" 10.5#). Set CIBP at +/- 7710' (avoid collars with CCL) and dump 2 sx of cement on CIBP.
 12 RIH with 4-1/2" CIBP (4-1/2" 10.5#). Set CIBP at +/- 7200' (Collars at 7180' and 7220') and dump 2 sx of cement on CIBP. RDMO WL.
 13 Current CBL is inconclusive. RIH with 2-3/8" tbq to 7100' while hydrotesting to 3000 psi. Circulate fresh water with biocide to remove gas from hole, POOH. Stand back 6700'.
 14 MIRU WL, RIH with CCL-CBL and log from 7140' to surface. Send logs to engineer to discuss further steps.
 15 PU and RIH with two perf guns and CCL inside 4-1/2" csg (3-1/8", 3 spf, "Big Hole" 0.6" EHD, 7" penetration, 120 deg phasing, 2' net, 6 total holes). Shoot bottom squeeze holes at 7080'. PUH and shoot top squeeze holes at 6680'. POOH, RDMO WL.
 16 RIH with 4-1/2" CICR (4-1/2" 10.5#) on 2-3/8" tbq and set at +/- 6710'.
 17 MIRU cement company. Establish circulation with fresh water and biocide. Pump 115 sx of 50/50 Poz "G" w/ 20% silica flour, 3% gel, 0.4% FL-52, and 0.1% sodium metasilicate mixed at 13.5 ppg and 1.71 cf/sk into squeeze holes (cement from 7080' to 6680' in 4-1/2" csg, 8.75" avg hole from caliper, adding 20% excess). Under displace by 3 bbls, sting out of CICR and dump remaining cement on CICR.
 18 PUH to 6400'. Circulate fresh water with biocide to clear tbq.
 19 PUH to 4810', LD remainder.
 20 Pump 55 sx Class G w/ 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sk (balanced plug from 4810' to 4120' over SX squeeze perfs inside 4-1/2" csg).
 21 PUH to 3800' and circulate fresh water with biocide to clear tbq.
 22 TOO H. Stand back 1270' of 2-3/8" tbq and LD remainder.
 23 MIRU WL. PU jet cutter and RIH to 1170', cut 4-1/2" csg. Reverse circulate to remove any gas from wellbore. RDMO WL.
 24 ND BOP, ND tbq head. NU BOP on surface csg with 4-1/2" pipe rams. Install 3000 psi ball valves on csg head outlets. Install choke or choke manifold on one outlet.
 25 TOO H with 4-1/2" csg and LD.
 26 Uninstall 4-1/2" pipe rams on BOP and install 2-3/8" pipe rams.
 27 TIH with 2-3/8" tbq to +/- 1270', 100' inside 4-1/2" csg stub.
 28 MIRU cement company. Pump 10 bbls SAPP, 20 bbls fresh water and biocide followed with 440 sx of Type III cement with ¼ pps cello flake and CaCl₂ mixed at 14.8 ppg and 1.33 cf/sk (cement from 1270' to 370' over Fox Hills, assuming 10.5" avg hole from nearest SX caliper, adding 40% excess).
 29 TOO H with 2-3/8" tbq to 200' and circulate hole clean.
 30 WOC 4 hrs, tag plug. Tag needs to be 470' or higher. TOO H.
 31 MIRU WL. RIH with 8-5/8" CIBP and set at 80'. Pressure test to 1000 psi for 15 min. If pressure holds, RDMO WL and RDMO WO rig.
 32 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.
 33 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
 34 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
 35 Excavate hole around surface casing enough to allow welder to cut 8-5/8" casing minimum 5' below ground level.
 36 Welder cut 8-5/8" casing minimum 5' below ground level.
 37 MIRU Redi Cement mixer. Use 4500 psi compressive strength cement, (NO gravel) to fill stubout.

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: 1/7/2015 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: 1/23/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 7/22/2015

<u>COA Type</u>	<u>Description</u>
	<p>Note change in plugging procedure:</p> <p>1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.</p> <p>2) Move CIBP #2 from 7200' down to approximately 7280' (50'-100' above Codell perms).</p> <p>3) If unable to pull casing contact COGCC for plugging modifications.</p> <p>4) For 1270' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 523' or shallower.</p> <p>5) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p> <p>6) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.</p>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400766515	FORM 6 INTENT SUBMITTED
400766519	PROPOSED PLUGGING PROCEDURE
400766520	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 4/13/1981 & 2/8/1996.	1/13/2015 2:50:22 PM

Total: 1 comment(s)