

FORM
6Rev
12/05State 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:

400866061

Date Received:

07/10/2015

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 05-123-22514-00

Well Name: DEVON

Well Number: 9-8

Location: QtrQtr: NESE Section: 8 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: 40.238030

Longitude: -104.793720

GPS Data:

Date of Measurement: 10/31/2006

PDOP Reading: 2.1

GPS Instrument Operator's Name: Steve Fisher

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

Estimated Depth: 1090

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	7356	7372			
NIOBRARA	7064	7178			

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	592	420	592	0	VISU
1ST	7+7/8	4+1/2	11.6	7,503	370	7,503	3,890	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7010 with 25 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 25 sks cmt from 7010 ft. to 6580 ft. Plug Type: CASING Plug Tagged: ☐
Set 35 sks cmt from 4480 ft. to 4070 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 195 sacks half in. half out surface casing from 1190 ft. to 490 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:

1 Gyro run 3/18/2013.
 5 Ensure WH is above ground level. If not, contact Bo Winter to prepare area.
 6 Spot 7200' of 2-3/8" 4.7# J-55 EUE tbg (~232 jts).
 7 MIRU WO rig. ND T/A, NU BOP.
 8 Notify cementers of the needed volumes: 25 sx of Thermal 35 cement with 0.5% CFR-2, 0.25% FMC mixed at 15.6 ppg and 1.51 cf/sk (Niobrara plug); 35 sx of 0:1:0 Class G cement with 0.5% CFR-2, 0.2% FMC, 0.5% LWA mixed at 15.8 ppg and 1.15 cf/sk (Sussex plug); 195 sx of Type III cement with 0.3% CFL-3, 0.3% CFR-2, 0.25 pps polyflake and CaCl₂ mixed at 14.8 ppg and 1.33 cf/sk (Fox Hills stub plug).
 9 PU retrieving head on 2-3/8" tbg and RIH to first RBP at +/- 6720'. Latch on and release RBP. POOH, LD RBP.
 10 RIH with retrieving head on 2-3/8" tbg to second RBP at +/- 6778'. Latch on and release RBP. POOH, LD RBP.
 11 MIRU WL. RIH with gauge ring for 4-1/2" 11.6# csg to 7020'.
 12 RIH with 4-1/2" CIBP (4-1/2" 11.6#). Set CIBP at +/- 7010' (Collars at 6992' and 7022') RDMO WL.
 13 RIH with 2-3/8" tbg while hydrotesting to 3000 psi and tag CIBP at 7010'. PU and circulate to remove gas from hole. Pressure test CIBP to 1000 psi for 15 minutes. If pressure test passes, proceed; otherwise, contact engineering.
 14 MIRU cement company. Spot 25 sx of Thermal 35 cement with 0.5% CFR-2, 0.25% FMC mixed at 15.6 ppg and 1.51 cf/sk (cement from 7010' to 6580' in 4-1/2" csg).
 15 PUH to 6300'. Circulate fresh water with biocide to clear tbg.
 16 PUH to 4480' with 2-3/8" tbg and LD remainder.
 17 MIRU cement company. Spot 35 sx of 0:1:0 Class G cement with 0.5% CFR-2, 0.2% FMC, 0.5% LWA mixed at 15.8 ppg and 1.15 cf/sk (cement from 4480' to 4070' in 4-1/2" csg).
 18 PUH to 3800' and circulate fresh water with biocide to clear tbg. WOC to set up per cementing company recommendation.
 19 PU & TIH with 2-3/8" tubing and tag cement plug at 4070'. If cement plug is below 4070', contact engineering.
 20 TOO. Stand back 1190' of tbg and LD remainder. TOC: 3890'
 21 MIRU WL. PU jet cutter and RIH to 1090', cut 4-1/2" csg. Circulate to remove any gas and old mud from wellbore. RDMO WL.
 22 ND BOP, ND tbg 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.
 23 TOO with 4-1/2" csg and LD.
 24 Uninstall 4-1/2" pipe rams on BOP and install 2-3/8" pipe rams.
 25 TIH with 2-3/8" tbg to +/- 1190', 100' inside 4-1/2" csg stub.
 26 MIRU cement company. Establish circulation with fresh water and biocide and get bottoms up. Pump 10 bbls SAPP, 20 bbls fresh water and biocide followed with 195 sx of Type III cement with 0.3% CFL-3, 0.3% CFR-2, 0.25 pps polyflake and CaCl₂ mixed at 14.8 ppg and 1.33 cf/sk (cement from 1190' to 390', assuming 8.5" avg hole from nearest SX caliper, adding 40% excess).
 27 TOO with 2-3/8" tbg. WOC 4 hrs, tag plug. Tag needs to be 490' or higher. TOO.
 28 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.
 29 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.
 30 Supervisor submit paper copies of all invoices, logs, and reports to Evans Engineering Specialist.
 31 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
 32 Excavate hole around surface casing enough to allow welder to cut 8-5/8" casing minimum 5' below ground level.
 33 Welder cut 8-5/8" casing minimum 5' below ground level.
 34 MIRU Redi Cement mixer. Use 4500 psi compressive strength cement, (NO gravel) to fill stubout.
 35 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
 36 Properly abandon flowlines per Rule 1103.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: AdrielleStanley
 Title: Sr. Regulatory Analyst Date: 7/10/2015 Email: Adrielle.Stanley@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: 7/10/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 1/9/2016

<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 1190' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 542' 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. 6) Please submit corrected wellbore diagram with Form 6 (s) Subsequent Report of Abandonment showing corrected 4 1/2" casing depth and hole depth (hole depth of 7515' is less than casing depth of 7531').

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400866061	FORM 6 INTENT SUBMITTED
400866063	WELLBORE DIAGRAM
400866064	PROPOSED PLUGGING PROCEDURE

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 12/27/2004 .	7/10/2015 11:28:08 AM

Total: 1 comment(s)