

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:

400752922

Date Received:

12/16/2014

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: Precup, Jim

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-123-18504-00

Well Name: DILLON

Well Number: 44-15

Location: QtrQtr: SESE Section: 15 Township: 2N 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: 40.133420

Longitude: -104.981580

GPS Data:

Date of Measurement: 04/26/2006

PDOP Reading: 5.9

GPS Instrument Operator's Name: HORSESHOE

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

Estimated Depth: 1020

Fish in Hole: ☒ Yes☐ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes☒ No

If yes, explain details below

Details: 12/18/08 Perfed and squeezed with 550 sx to provide cement coverage from 4384' 5091, CBL dated 12/22/2008

4/27/10 Squeezed Shannon Perfs with 140 sx (40 + 50 + 50). Drilled out and verified with pressure test to 500 psi.

5/4/10 Cement via annular fill with 150 sx to provide cement coverage from tagged depth of 4370' to 4000'.

Verified with CBL dated 5/5/2010.

5/4/10 Stuck 82 joints 1-1/4" tubing in annulus from 4000' to 1418'.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7502	7512			
NIOBRARA	7289	7298			
SHANNON	4830	4840	04/27/2010	SQUEEZED	
SUSSEX	4400	4438			

Total: 4 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	616	430	616	0	VISU
1ST	7+7/8	3+1/2	7.7	7,617	190	7,617	6,642	CBL
S.C. 1.1				5,091	550	5,000	4,384	CBL
S.C. 2.1				4,370	150	4,370	4,000	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7230 with 25 sacks cmt on top. CIPB #2: Depth 80 with 25 sacks cmt on top.
CIBP #3: Depth _____ with _____ 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 25 sks cmt from 7230 ft. to 6558 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 4438 ft. with 70 sacks. Leave at least 100 ft. in casing 4330 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 265 sacks half in. half out surface casing from 1020 ft. to 410 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:

4 MIRU, kill well as necessary using clean fresh water with biocide. ND WH. NU BOP.
 5 PU 2.06" IJ-55 tbg to tag fill. 223 jts 2.06" tbg landed @ 7268'.
 6 POH and stand back 7230' tbg.
 7 MIRU Warrior WL. RIH w/ gauge ring for 3 1/2" 7.7# tbg to 7250'. RIH 3 1/2" CIBP and set at 7230' (59' above top Nio perf) to abandon Niobrara and Codell perms. Note: No PT due to open Sussex perms.
 8 Run a gyro directional survey from CIBP to surface with 100' stops. Forward results to Sabrina Frantz in Evans.
 9 RIH 2.06" IJ tbg open-ended to CIBP @ 7230'. Hydro-test tbg to 3000 psi.
 10 RU cementers and equalize a balanced plug above CIBP from 7230' to 6558' as follows: 25 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. (34.5 cuft of slurry).
 11 PU tbg to ~6000' and reverse circulate clean w/fresh water treated with biocide. WOC per cementing company recommendation.
 12 Tag plug, TOC must be at 6800' or higher. If not, consult Evans Engineering before proceeding.
 13 TOO H and stand back 4330' 2.06" tbg. LD remainder.
 14 PU CICR and 2.06 tubing. TIH and set Retainer at 4,330'. Pressure test casing and CICR to 1000 psi.
 15 Establish injection rate into Sussex perms. Cement squeeze Sussex Perfs with 70 sx class "G" w/ 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sk. (80.5 cuft of slurry). Use no cello-flake in this cement due to small squeeze perms. Underdisplace with fresh water by 3 bbls (calculated to leave cement top @ ~4000' in 3 1/2"). Unsting and dump remaining cement on retainer.
 16 POH to 3500' and circulate clean. Continue to TOO H standing back with 1020' of tbg. LD remainder. Shut well in and WOC per cementing company recommendations.
 17 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.
 18 RU WL, RIH w/ jet cutter and cut 3 1/2" casing at 1020'. Circulate bottoms up using drilling mud and continue circulating to remove any gas from wellbore. RD WL.
 PU and LD 3-1/2" casing, TIH with 2.06" tbg to 1020'.
 19 RU cementers. Pump 10 bbl SAPP (Sodium Acid Pyrophosphate) followed by 20 bbl (min) fresh water spacer immediately preceding cement.
 20 Pump a balanced plug 1020'-410': 265 sx (352 cuft.) Type III cement w/ 0.25 pps cello flake and CaCl₂ as deemed necessary mixed at 14.8 ppg and 1.33 cf/sk (design to fill 404' in 9.5" OH + 40% excess and 206' in 8 5/8" surface casing).
 21 POH w/2.06" tbg to 200' and circulate clean. WOC per cementing company recommendation. Tag plug with 2.06 tbg; TOC should be 410' or higher. If not, Consult Evans engineering before proceeding.
 22 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.
 23 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.
 24 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
 25 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
 26 Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.
 27 Welder cut 8 5/8" casing minimum 5' below ground level.
 28 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).
 29 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
 30 Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
 31 Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.
 32 Back fill hole with fill. Clean location, level.
 33 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations 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: 12/16/2014 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: 1/23/2015

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

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 1020' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 566' 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**

400752922	FORM 6 INTENT SUBMITTED
400752968	PROPOSED PLUGGING PROCEDURE
400752969	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

Permit	Well Completion Report dated 1/9/1995 & 6/22/2010.	12/23/2014 3:55:40 PM
--------	--	--------------------------

Total: 1 comment(s)