

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: 400714974			
Date Received: 10/22/2014			

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: (970) 629-8279	
COGCC contact: Email: craig.carlile@state.co.us	

API Number 05-123-17469-00	Well Number: 27-2L
Well Name: MAYER	
Location: QtrQtr: NWNE Section: 27 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: 40.201517	Longitude: -104.875200
GPS Data:	
Date of Measurement: 04/28/2009	PDOP Reading: 2.2
GPS Instrument Operator's Name: Paul Tappy	
Reason for Abandonment: <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Production for Sub-economic <input type="checkbox"/> Mechanical Problems	
<input type="checkbox"/> Other	
Casing to be pulled: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated Depth: 970
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, explain details below
Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	7293	7312			
NIOBRARA	7039	7083			
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	23	558	290	558	0	VISU
1ST	7+7/8	2+7/8	6.5	7,481	200	7,481	6,487	CBL
S.C. 1.1				7,481	340	4,802	3,682	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6985 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 6985 ft. to 5923 ft. Plug Type: CASING Plug Tagged: ☐
Set 25 sks cmt from 4570 ft. to 3685 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 260 sacks half in. half out surface casing from 970 ft. to 350 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:

5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.
 6 TOO and SB 1.66" IJ production tubing (223 jts landed @7276').
 7 MIRU Warrior WL. RIH w/ gauge ring for 2 7/8" 6.5# tbg to 7000'. RIH 2 7/8" CIBP and set at 6985' to abandon Codell/Niobrara perfs. Pressure test plug and csg to 2500 psi for 15 minutes.
 8 Run a gyro directional survey from CIBP to surface with 100' stops. Forward results to Sabrina Frantz in Evans.
 9 Run a CBL from CIBP to surface to verify cement coverage. Forward results to Evans Engineering for plugging modifications as necessary.
 10 RIH 1.66" IJ tbg open-ended to CIBP @ 6985'. Hydro-test tbg to 3000 psi.
 11 RU cementers and equalize a balanced plug above CIBP from 6985' to 5923' as follows: 25sx "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)
 12 Pull and LD tbg to ~5000' and reverse circulate clean w/fresh water treated with biocide.
 13 TOO and LD tbg to place EOT @ 4570'.
 14 RU cementers and equalize a balanced plug from 4570' to 3685' as follows: 25 sx class "G", w/0.4% CD-32, 0.4% ASA-301, and CaCl₂ as deemed appropriate mixed at 15.8 ppg and 1.15 cuft/sk (29 cuft of slurry).
 15 POH to ~3000. Circulate tbg and csg clean with fresh water treated w/biocide.. WOC per cementing company recommendation.
 16 Tag cement @ 3685'. POH and LD tbg.
 17 RU WL, RIH w/ chemical cutter or jet cutter and cut 2 7/8" casing at 970'. Circulate bottoms up using drilling mud and continue circulating to remove any gas from wellbore. RD WL.
 18 ND BOP and wellhead. Install BOP on surface casing head with 2 7/8" pipe rams. Install 3000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet. NOTE:
 If 2 7/8" casing did not pass PT in step 7, TOO and hydro-test in to 2500 psi before proceeding to step 19.
 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 970'-350': 260 sx (346 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 412' in 10" OH + 20% excess and 208' in 8 5/8" surface casing. Caliper log on file.
 21 TOO and LD 2 7/8" tbg. WOC per cementing company recommendation. Tag plug; TOC should be 458' 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: 10/22/2014 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: 11/24/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 5/23/2015

COA Type	Description
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) No CBL on file. Run CBL to verify the top of primary cement is at least 200' over Niobrara, at least 50' below Shannon to 200' above Sussex, and adequately isolates the Fox Hills aquifer. If cement does not exist as required, provide this coverage as part of this plugging project. 3) If unable to pull casing contact COGCC for plugging modifications. 4) For 970' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 508' or shallower. 5) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 6) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num**Name**

400714974	FORM 6 INTENT SUBMITTED
400714981	PROPOSED PLUGGING PROCEDURE
400714982	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

Permit	Well Completion Report dated 7/22/1994.	11/3/2014 12:55:38 PM
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Total: 1 comment(s)