FORM 6 Rev 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: 400715877

Date Received: 10/23/2014

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, COGCC contact: Name: Carlile, Craig Tel: (970) 629-8279 Email: craig.carlile@state.co.us

API Number 05-123-21975-00

Well Name: DINNEL L Well Number: 14-17

Location: QtrQtr: NENE Section: 14 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: 40.228690 Longitude: -104.739220

GPS Data:

Date of Measurement: 06/21/2006 PDOP Reading: 2.1 GPS Instrument Operator's Name: Paul Tappy

Reason for Abandonment: ☐ Dry ☒ Production for Sub-economic ☐ Mechanical Problems

☐ Other

Casing to be pulled: ☒ Yes ☐ No Estimated Depth: 1230

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	7378	7392			

Total: 1 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	723	290	723	0	VISU
1ST	7+7/8	4+1/2	11.6	7,519	130	7,519	6,629	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7300 with 40 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 40 sks cmt from 7300 ft. to 6670 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 4730 ft. with 180 sacks. Leave at least 100 ft. in casing 4360 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 300 sacks half in. half out surface casing from 1330 ft. to 520 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:

Perforate and squeeze at 4730' / 4330' ft. with 180 sacks Leave at least 100 ft. in casing 4360' CICR Depth
5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.
6 TOOH and SB 2 3/8" production tubing (222 jts landed @ 7364').
7 MIRU WL. RIH junk basket w/ gauge ring for 4 1/2" 11.6#/ft casing to 7350'. POOH.
8 Set 4 1/2" CIBP at 7300' (collars at 7271' and 7314') to abandon Codell perfs. RDMO WL.
9 Pressure test the CIBP to 1000 psi.
10 MIRU hydrotester. Hydrotest 2 3/8" tubing to 3000 psi while TIH open ended. Tag CIBP @ 7300' and PU 5'.
11 RU Cementers. Pump Niobrara/Codell plug: 40 sx (56 cuft) class "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/sx (630' inside 4 1/2" csg, no excess). The plug will cover 7300' - 6670'. RD cementers.
12 PUH to 6400' and circulate tubing clean to ensure no cement is left in the tubing.
13 PUH 4360' of tubing, LD remainder.
14 MIRU WL. PU and RIH with 2, one foot 3 1/8" perf guns shoot squeeze holes at 4730' and 4330' with 3 spf, 0.59"diam, 120 degree phasing. RDMO WL.
15 PU and RIH with a 4 1/2" CICR on 2 3/8" tubing and set at 4360'. Establish circulation with fresh water treated with biocide.
16 MIRU Cementers. Pump 20 bbls sodium metasilicate and a 5 bbls water spacer followed by Sussex Suicide Squeeze: 180 sx (207 cuft) Class "G" cement with 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx (400' in 9" OH from caliper with 20% excess, 400' in 4 1/2" production casing with no excess). Underdisplace by 3 bbls and unsting from CICR spotting at least 100' of cement over squeeze perfs. The plug will cover 4730' - 4330'. RDMO cementers.
17 PUH to 4100' and circulate tubing clean to ensure no cement is in the tubing. PUH 1330' of tubing, LD remainder.
18 MIRU WL. RIH and jet cut casing at 1230'. RDMO WL.
19 Circulate with fresh water containing biocide to remove any gas.
20 NDBOP, NDTH. Install BOP on casing head with 4 1/2" pipe rams.
21 TOOH with 1230' of 4 1/2" casing, LD. Replace 4 1/2" pipe rams with 2 3/8" pipe rams.
22 RIH with 1330' of 2 3/8" tubing (100' into casing stub at 1230').
23 MIRU Cementers. preceding cement, pump 10 bbl (min) SAPP followed by a 20 bbl fresh water spacer. Pump Stub Plug: 300 sx (399 cuft) Type III w/ cello flake and CaCl2 as deemed necessary, mixed at 14.8 ppg and 1.33 cuft/sx (100' in 4 1/2" casing with no excess, 507' in 9" OH from caliper with 40% excess, 203' in 8 5/8" surface csg with no excess). The plug will cover 1330' - 520'. RD cementers.
24 Pull up to 100' and circulate tubing clean using fresh water treated with biocide. TOOH.
25 WOC per cement company recommendation. Tag cement. Cement top needs to be above 523'.
26 MIRU WL. RIH 8 5/8" CIBP to 80'. Set and pressure test to 1000 psi for 15 minutes. RDMO WL and WO rig.
27 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.
28 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
29 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
30 Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.
31 Welder cut casing minimum 5' below ground level.
32 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).
33 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
34 Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
35 Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.
36 Back fill hole with fill. Clean location, level.
37 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations complete

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: 10/23/2014 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: 4/10/2015

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 10/9/2015

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 1330' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 673' 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

Att Doc Num	Name
2092742	PROPOSED PLUGGING PROCEDURE
400715877	FORM 6 INTENT SUBMITTED
400715914	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Permit	Well Completion Report dated 5/18/2004.	11/3/2014 1:08:47 PM

Total: 1 comment(s)