

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: 400737542			
Date Received: 11/20/2014			

## 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: Montoya, John Tel: (970) 397-4124	
COGCC contact: Email: john.montoya@state.co.us	

API Number 05-123-35901-00	Well Number: 5N-13HZ
Well Name: DOVE	
Location: QtrQtr: NWNW Section: 12 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: 40.158774	Longitude: -104.732756
GPS Data:	
Date of Measurement: 06/26/2013	PDOP Reading: 1.5
GPS Instrument Operator's Name: Renee Doiron	
Reason for Abandonment: <input type="checkbox"/> Dry <input type="checkbox"/> Production for Sub-economic <input checked="" type="checkbox"/> Mechanical Problems	
<input type="checkbox"/> Other lost fish (perf guns)	
Casing to be pulled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Estimated Depth:
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: During the fracing of the well, the perf guns were dropped downhole. We then began fishing operations, and spent nearly a month and ~\$800,000 fishing. The fish includes: wire connected to the perf guns, fishing wire and BHA of fishing tools, coil tubing BHA, chemical cutter, and a pup jt of tubing. Top of fish is at 6550'.	

## Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
NIOBRARA	13000	14362			
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	13+1/2	9+5/8	36	1,030	396	1,030	0	VISU
1ST	8+3/4	7	26	7,689	396	7,689	659	CBL
2ND	6+1/8	4+1/2	11.6	14,494	593	6,585	0	VISU

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6500 with 2 sacks cmt on top. CIBP #2: Depth 150 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 40 sks cmt from 4430 ft. to 3910 ft. Plug Type: CASING Plug Tagged: ☒

Set 60 sks cmt from 1450 ft. to 550 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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ 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:

1 Provide 48 hr notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.). Call Automation Removal Group at least 24 hr prior to rig move. Request they isolate production equipment and remove any automation prior to rig MIRU.

2 Prepare location for base beam equipped rig. Install perimeter fence as needed.

3 Check and record pressure on the 9 5/8" x 7" annulus and the 7" x 4 1/2" annulus.

4 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.

5 TOOH and SB 2 3/8" production tubing (205 jts landed @ 6523').

6 MIRU WL. RIH with 4 1/2" CIBP and set at 6500'. NOTE: Top of fish at 6550'. Pressure test CIBP to 1000 psi.

7 Dump bail 2 sx cement on top of CIBP. RD WL.

8 RIH 2 3/8" tubing to 4430' while hydrotesting to 3000 psi.

10 RU cementers. Pump 40 sx (46 cuft) Class "G" cement with 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx. The plug will cover 4430' - 3910'. Volume based on 520' inside 4 1/2" casing with no excess.

11 PUH to 3700' and circulate tubing clean with water treated with biocide to ensure no cement in the tubing.

12 WOC per cement company recommendation and tag cement. Cement top must be at 3968' or shallower.

13 PUH to 1450', LD remainder.

14 RU cementers. Pump 60 sx (80 cuft) Type III w/ CaCl2 as deemed necessary, mixed at 14.8 ppg and 1.33 cuft/sx. The plug will cover 1450' to 550'. Volume based on 900' inside 4 1/2" casing with no excess.

15 PUH to 200'. Circulate tubing clean with water treated with biocide to ensure no cement in the tubing.

16 WOC per cement company recommendation. Tag cement. Cement top needs to be above 730'.

17 MIRU WL. RIH 4 1/2" CIBP to 150'. Set and pressure test to 1000 psi for 15 minutes. RDMO WL and WO rig.

18 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.

19 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.

20 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.

21 Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.

22 Welder cut casing minimum 5' below ground level.

23 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).

24 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.

25 Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.

26 Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.

27 Back fill hole with fill. Clean location, level.

28 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: 11/20/2014 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: 2/21/2015

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 8/20/2015

<u>COA Type</u>	<u>Description</u>
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) For 1450' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 980' or shallower. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.

### **Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
400737542	FORM 6 INTENT SUBMITTED
400737551	PROPOSED PLUGGING PROCEDURE
400737552	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Tie back liner to surface added 8/5/2013. Ops and cementing reports added to well file. Corrected sxs cement for 7" casing from 438 sacks listed in form 5 to 396 sxs listed on cementing March 15 2013 cementing invoice.	2/21/2015 11:55:35 AM
Permit	Well Completion Report dated 9/11/2013.	11/24/2014 2:57:14 PM

Total: 2 comment(s)