

Document Number:  
400860793

Date Received:  
06/30/2015

**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: REBECCA HEIM

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 929-6361

Address: P O BOX 173779 Fax: (720) 929-7361

City: DENVER State: CO Zip: 80217- Email: REBECCA.HEIM@ANADARKO.COM

**For "Intent" 24 hour notice required,** Name: Rickard, Jeff Tel: (720) 305-8280

**COGCC contact:** Email: jeffrey.rickard@state.co.us

API Number 05-123-12777-00

Well Name: DUNKLEE Well Number: 3

Location: QtrQtr: SWNW Section: 13 Township: 4N Range: 68W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 68073

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: 40.315910 Longitude: -104.958440

GPS Data:  
Date of Measurement: 06/10/2008 PDOP Reading: 3.3 GPS Instrument Operator's Name: Coddy Mattson

Reason for Abandonment:  Dry     Production for Sub-economic     Mechanical Problems  
 Other \_\_\_\_\_

Casing to be pulled:  Yes     No    Estimated Depth: 650

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	6966	6982			
NIOBRARA	6697	6831			

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	385	210	85	0	VISU
1ST	7+7/8	4+1/2	11.6	7,157	240	7,157	6,044	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6630 with 25 sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 6630 ft. to 6290 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 4220 ft. with 480 sacks. Leave at least 100 ft. in casing 3650 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 280 sacks half in. half out surface casing from 750 ft. to 280 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 the Automation Removal Group at least 24 hr prior to rig move. Request they catch and remove plunger, isolate production equipment and remove any automation prior to rig MIRU.
  2. MIRU slickline services & VES. Pull bumper spring and tag bottom (SN @ +/- 6,940'; 4.7# 2-3/8" tbg). Run Gyro from SN to surface with measurements every 100'. Run pressure recorder and obtain pressure gradient survey from surface to 6,980' making gradient stops every 1,000'. Forward the pressure bomb results to Evans Engineering. RDMO slickline services. NOTE: The BHP survey must be run before the well is blown down or killed with fluid.
  3. Prepare location for base beam equipped rig. Install perimeter fence as needed.
  4. Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL.
  5. MIRU WO rig. Kill well as necessary w/ water containing biocide. ND WH, NU BOP.
  6. PU the 2-3/8" tbg (4.7#) to break any sand bridges. Do not exceed the safety tensile load of 57,600 lbs (80% of upset yield strength).
  7. TOOH. SB +/- 6,700' of tbg, LD the remainder.
  8. PU csg scraper for 4-1/2", 11.6# csg on 2-3/8" tbg and TIH to +/- 6,700'. TOOH and SB tbg, LD csg scraper.
  9. MIRU Wireline. PU CIBP for 4-1/2" csg (11.6#, FC-70, LTC). RIH and set CIBP at 6,630'. POOH and LD the setting tool.
  10. TIH w/ 2-3/8" tbg to 3,000', load the hole, and circulate out the gas for the CBL. TOOH w/ 2-3/8" tbg.
  11. PU CBL-CCL and Log from 6,630' to Surface. Notify Evans Engineering of the log results prior to proceeding and send log to Evans Engineering Specialist. NOTE: Calculated TOC is 6,004' and the procedure may change depending on log results. RDMO Wireline.
  12. Pressure test the CIBP to 1,000 psi for 15 min.
  13. TIH w/ 2-3/8" tbg while hydrotesting to 3,000 psi and tag CIBP. PU 5' feet from tag.
  14. MIRU Cementing Services. Spot 25 sx (+/- 37.8 cuft) of cmt (Thermal 35 + 0.5% CFR-2 + 0.25% FMC) mixed at 15.6 ppg with a yield of 1.51 cuft/sk for a 3:28 thickening time from 6,630' to 6,290' in the 4-1/2" csg. RDMO Cementing Services.
  15. POOH and SB 3,650' of 2-3/8" tbg, LD the remainder.
  16. MIRU Wireline. PU and RIH two perf guns (3-1/8", 6 spf, 0.42" EHD, 7" penetration, 60o phasing, 3' net, 18 total holes) to 4,220' and shoot 1' of bottom perfs in the 4-1/2" prod csg. PUH to 3,620' and shoot 2' of top perfs. POOH and LD perf gun. RDMO Wireline.
  17. PU CICR for 4-1/2" 11.6# csg on 2-3/8" tbg. TIH and set CICR at +/- 3,650'.
  18. Establish circulation w/ water containing biocide.
  19. MIRU Cementing Services. Pump 20 bbls of metasilicate then 10 bbls of fresh water followed by 480 sx (+/- 552 cuft) of cmt (Class G + 0.5% CFR-2 + 0.2% FMC + 0.5% LWA + 0.25 lb/sk polyflake) mixed at 15.8 ppg and 1.15 cuft/sk for a 4:47 thickening time from 4,220' to 3,620' in 12":4-1/2" annulus (12" from caliper, + 20% excess) and 4,220' to 3,520' in the 4-1/2" prod csg. Under displace by 3 bbls, sting out of the retainer and dump 3 bbls of cmt on top of the CICR. RDMO Cementing Services.
  20. POOH and SB +/- 800' of tbg, LD the remainder.
  21. MIRU Wireline. PU jet cutter for 4-1/2" 11.6# csg. RIH and cut csg at 650'. POOH and LD jet cutter. RDMO Wireline. Circulate to remove any gas from the wellbore.
  22. ND BOP and tbg head. NU BOP on the surface csg head w/ 4-1/2" pipe rams. Install 3,000 psi rated ball valves on both surface csg outlets. Install a choke or a choke manifold on one of the outlets.
  23. TOOH and LD 4-1/2" csg.
  24. Remove the 4-1/2" pipe rams and install 2-3/8" pipe rams on the BOP.
  25. TIH w/ 2-3/8" tbg to 750' (100' past the csg stub).
- SEE ATTACHMENT FOR FURTHER INFORMATION

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

Signed: \_\_\_\_\_ Print Name: REBECCA HEIM  
 Title: SR. REGULATORY ANALYST Date: 6/30/2015 Email: rscdjpostdrill@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: JENKINS, STEVE Date: 7/1/2015

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 12/31/2015

<b>COA Type</b>	<b>Description</b>
	Note changes to plugging procedure: 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For 750' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be 285' or shallower and provide 10 sx plug at the surface. Leave at least 100' cement in the casing for each plug. 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>
400860793	FORM 6 INTENT SUBMITTED
400860806	PROPOSED PLUGGING PROCEDURE
400860807	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 1/13/1986.	6/30/2015 3:27:31 PM

Total: 1 comment(s)