

Document Number:  
400815926

Date Received:  
03/26/2015

**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: 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 05-123-18278-00

Well Name: HSR-MELVIN CAMP Well Number: 11-31

Location: QtrQtr: NESW Section: 31 Township: 3N Range: 65W 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: 40.179578 Longitude: -104.708672

GPS Data:  
Date of Measurement: 04/24/2008 PDOP Reading: 2.0 GPS Instrument Operator's Name: Cody Mattson

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

Casing to be pulled:  Yes  No Estimated Depth: 1350

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	7337	7347			
NIOBRARA	7100	7103			

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	741	518	741	0	VISU
1ST	7+7/8	2+7/8	6.5	7,467	190	7,467	6,420	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7050 with 20 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 20 sks cmt from 7050 ft. to 6250 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 4710 ft. with 250 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 300 sacks half in. half out surface casing from 1350 ft. to 640 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:

6. Check and record Bradenhead pressure. If Bradenhead valve is not accessible, re-plumb so that valve is above GL.
  7. MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing joint.
  8. POOH and SB 7100' of tubing.
  9. Notify cementers to be on call. Provide volumes listed below:
    - 9.1 Nio/Cd Balanced Plug: 20 sks (4.8 bbls) of 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/sk (7075'-6250' inside 2 7/8", 6.5# casing, no excess)
    - 9.2 SX Circulate Squeeze: 250 sks class "G", with ¼ # per sk cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sk for a total of 51.2 bbl of slurry (550' inside 2 7/8", 6.5# casing, no excess and 550' in 9" borehole diameter annular section with 20% excess).
    - 9.3 Balanced Plug: 300 sks of Type III cement, with ¼ # per sk cello flake and CaCl<sub>2</sub> a necessary, mixed at 14.8 ppg and 1.33 cuft/sk for a total of 71.1 bbl of slurry (609' inside 9" OH + 20% excess, and 200' inside 8-5/8" surface casing).
  10. MIRU wireline. Run gauge ring for 2 7/8" OD, 6.5# to 7100'. POOH
  11. Pu and RIH with CIBP for 2 7/8" OD, 6.5#/ft, J-55 casing. Set CIBP at 7050'. POOH
  12. Pressure test casing and CIBP to 3,000 psi and hold for 15 minutes. Call engineering if test fails. RDMO wireline.
  13. RIH with 1.66" OD tubing to CIBP at 7050'.
  14. MIRU cementers.
  15. Establish circulation and pump 20 sks (4.8 bbls) of 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/sk (7050'-6250' inside 2 7/8", 6.5# casing, no excess)
  16. PUH to 6000' and circulate clean. POOH LD 1.66" OD tubing.
  17. MIRU wireline.
  18. PU two 1-1/16" perf gun with 6 spf, 60 degree phasing, .37" EHD and 2.70" penetration. Shoot 2' of perfs at 4710' for a total of 12 holes. RDMO WL.
  19. Establish circulation with fresh water and biocide and circulate until clean. If unable to establish circulation to surface with good rate, contact engineer to discuss potential of cutting the casing at 4710'.
  20. MIRU Cementers. Precede cement with 20 bbl of SMS and a 10 bbl fresh water spacer immediately preceding cement.  
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- Engineer: Kevin Kuzio  
Cell: 406-565-1360
21. Pump 250 sks class "G", with ¼ # per sk cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sk for a total of 51.2 bbl of slurry (550' inside 2 7/8", 6.5# casing, no excess and 550' in 9" borehole diameter annular section with 20% excess). Displace with wiper plug and 24 bbls of water to place top of cement at 4160'. Shut well in to prevent cement flow-back.
  22. WOC 4 hours or recommended time by cementing services.
  23. MIRU WL. Tag top of cement with sinker bar. If not above 4160' call Evans engineering to discuss options.
  24. Shoot off casing at or below 1350'. RDMO WL.
  25. Circulate water containing biocide down casing and up annulus through open bradenhead valve to remove any gas. Be sure to circulate until there is no pressure, gas, or condensate remaining.
  26. ND BOP, ND TH.
  27. Install BOP on 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.
  28. Unland 2 7/8" casing and establish circulation.
  29. MIRU Cementers. Pump 10 bbl SAPP with a minimum of 20 bbl fresh water spacer. Pump Balanced Plug down 2 7/8" casing: 300 sks of Type III cement, with ¼ # per sk cello flake and CaCl<sub>2</sub> a necessary, mixed at 14.8 ppg and 1.33 cuft/sk for a total of 71.1 bbl of slurry (609' inside 9" OH + 20% excess, and 200' inside 8-5/8" surface casing).
  30. PUH to 500'. Circulate with water containing biocide to clean tubing until clear.
  31. TOOH. WOC 4 hrs. Tag Cement with tbg. If cement top is at or above 640' proceed to next step, otherwise, call Evans engineering. TOOH and LD all tbg on trailer.
  32. MIRU WL. RIH 8-5/8" CIBP to 150'. Set, PT to 1000 psi for 15 min. If tests, RDMO W

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: 3/26/2015 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: 3/27/2015

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 9/26/2015

<b>COA Type</b>	<b>Description</b>
	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 1350' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 690' 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**

<b>Att Doc Num</b>	<b>Name</b>
400815926	FORM 6 INTENT SUBMITTED
400815927	PROPOSED PLUGGING PROCEDURE
400815928	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Well Completion Report dated 10/11/1994.	3/27/2015 8:10:58 AM

Total: 1 comment(s)