

Document Number:  
400733437

Date Received:  
11/17/2014

**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: Precup, Jim Tel: (303) 726-3822

**COGCC contact:** Email: james.precup@state.co.us

API Number 05-123-26049-00

Well Name: SWEETGRASS- USX UU Well Number: 14-2

Location: QtrQtr: SENE Section: 14 Township: 1N Range: 68W Meridian: 6

County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_

Field Name: SPINDLE Field Number: 77900

Notice of Intent to Abandon       Subsequent Report of Abandonment

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.054815 Longitude: -104.965826

GPS Data:  
Date of Measurement: 10/19/2007 PDOP Reading: 2.3 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: 1470

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	7964	7982			

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	1,002	482	1,002	0	VISU
1ST	7+7/8	4+1/2	11.6	8,545	760	8,545	4,530	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7910 with 50 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 <u>50</u>	sks cmt from	<u>7910</u>	ft. to	<u>7210</u>	ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>75</u>	sks cmt from	<u>5560</u>	ft. to	<u>4650</u>	ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set _____	sks cmt from	_____	ft. to	_____	ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____	sks cmt from	_____	ft. to	_____	ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____	sks cmt from	_____	ft. to	_____	ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 1470 ft. to 800 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:

4. MIRU, kill as necessary using clean fresh water with biocide. NDWH, NUBOP. Unseat landing jt, LD.
5. Check and record Braden head pressure. If Braden head valve is not accessible, re-plumb so that valve is above GL.
6. Notify cementers to be on call. Provide volumes listed below:
  - 6.1 Niobrara plug: 50 sx (69 cu-ft) "G" w/silica flour, 0.4% CD-32, 0.4 ASA-301 and R-3 to achieve 2:30 pump time. Mix at 15.8 ppg and 1.38 cu-ft/sk. Cement volume based on 700' in 4 1/2" casing.
  - 6.2 Sussex balance: 75 sx (86 cu-ft) "G" w/0.4% CD-32, 0.4% ASA-301, mixed at 15.8 ppg and 1.15 cu-ft/sk. Cement volume based on 910' in 4 1/2" casing.
  - 6.3 Foxhills plug: 220 sx (293 cu-ft) Type III w/cello flake and CaCl2 as necessary, mixed at 14.8 ppg and 1.33 cu-ft/sk. Cement volume based on 100' in 8" OH annulus with 40% excess, 368' in 8" OH with 40% excess and 202' in 8 5/8" casing. Nearest caliper measurement at 3300'.
7. TOOH 258 joints of 2 3/8" tubing landed at 7950'. Stand back tubing.
8. MIRU WL. PU 4 1/2" 11.6# gauge ring and RIH to 7940'. POOH.
9. PU 4 1/2" 11.6# CIBP, RIH and set at +/-7910' to abandon Codell perms. PT to 1000 psi.
10. RIH with 2 3/8" production tubing to +/- 7910'. Tag CIBP and PUH 5'. Hydrotest tubing to 3000 psi while RIH.
11. RU cementers. Pump Niobrara plug: 50 sx (69 cu-ft) "G" w/silica flour, 0.4% CD-32, 0.4 ASA-301 and R-3 to achieve 2:30 pump time. Mix at 15.8 ppg and 1.38 cu-ft/sk. Plug to cover 7910'-7210'.
12. PUH to ~6900'. Circulate with water containing biocide to displace cement and clear tubing.
13. PUH to 5560', LD remainder.
14. Pump Sussex plug: 75 sx (86 cu-ft) "G" w/0.4% CD-32, 0.4% ASA-301, mixed at 15.8 ppg and 1.15 cu-ft/sk. Plug to cover from 5560-4650'. RD cementers.
15. PUH to ~4300'. Circulate with water containing biocide to displace cement and clear tubing.
16. WOC per Cement Company's recommendation. Tag cement at or above 4650'. If not, consult with Evans Engineering.
17. P&SB 1470' of tubing, LD remainder.
18. RU WL. Shoot off casing at or below 1370'. RD WL.
19. Circulate casing with water containing biocide to remove any excess gas.
20. NDBOP, NDTH. Install BOP on casing head with 4 1/2" pipe rams.
21. TOOH 4 1/2" casing, LD. Replace 2 3/8" pipe rams.
22. RIH with 2 3/8" tubing to +/- 1470'.
23. RU cementers. Precede cement with 10 bbl SAPP and a 20 bbl (minimum) fresh water spacer.
24. Pump Foxhills plug: 220 sx (293 cu-ft) Type III w/cello flake and CaCl2 as necessary, mixed at 14.8 ppg and 1.33 cu-ft/sk. RD cementers. Plug to cover from 1470'-1370' in 8" OH annulus with 40% excess, 1370'-1002' in 8" OH with 40% excess, and 1002-800' in 8 5/8" casing. Nearest caliper measurement was at 3300'.
25. PUH to 500'. Circulate with water containing biocide to displace cement and clear tubing.
26. TOOH and WOC per cement company recommendations.
27. Tag cement at or above 800'. If not, consult with Evans Engineering.
28. RU WL. PU 8 5/8" 24# CIBP and RIH to 80'. Set and PT to 1000 psi for 15 minutes. If tests, RDMO WL and WO rig.
29. Instruct cementing and wireline contractors to email copies of all job logs/jobs summaries to rscDJVendors@anadarko.com within 24 hours of completion of the job.
30. Supervisor is to submit paper copies of all invoices, logs, and reports to Joleen Kramer.
31. Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
32. Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.
33. Welder cut casing minimum 5' below ground level.
34. Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).
35. Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
36. Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
37. Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.
38. Back fill hole with fill. Cle

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: 11/17/2014 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: 1/28/2015

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 7/27/2015

<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 1470' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 950' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.

**Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
400733437	FORM 6 INTENT SUBMITTED
400733451	PROPOSED PLUGGING PROCEDURE
400733453	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Well Completion Report dated 11/7/2007.	11/24/2014 1:24:54 PM

Total: 1 comment(s)