

Document Number:
400622526

Date Received:
06/06/2014

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: Carlile, Craig Tel: (303) 8942100

COGCC contact: Email: craig.carlile@state.co.us

API Number 05-123-21631-00

Well Name: TIEFEL STATE Well Number: 7-36A

Location: QtrQtr: SWNE Section: 36 Township: 3N Range: 68W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 72/2840-S

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: 40.184200 Longitude: -104.948950

GPS Data:
Date of Measurement: 03/22/2006 PDOP Reading: 2.5 GPS Instrument Operator's Name: Steve Fisher

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

Casing to be pulled: Yes No Estimated Depth: 1500

Fish in Hole: Yes No If yes, explain details below

Wellbore has Uncemented Casing leaks: Yes No If yes, explain details below

Details: Casing will be pulled from 1500' and a cement plug will be set from 100' inside stub to 200' inside surface casing.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7276	7296			
J SAND	7754	7732			

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	680	270	680	0	VISU
1ST	7+7/8	4+1/2	11.6	7,861	520	7,861	3,816	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7650 with 2 sacks cmt on top. CIBP #2: Depth 7200 with 40 sacks cmt on top.
CIBP #3: Depth 80 with 25 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 7200 ft. to 6570 ft. Plug Type: CASING Plug Tagged:
Set 40 sks cmt from 4300 ft. to 3800 ft. Plug Type: CASING Plug Tagged:
Set 540 sks cmt from 1600 ft. to 480 ft. Plug Type: STUB PLUG 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:

PLUG AND ABANDONMENT PROCEDURE

TIEFEL STATE 7-36A

Step Description of Work

- 1 Provide notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.). Call foreman or lead operator at least 24 hr prior to rig move. Request they catch and remove the plunger, isolate production equipment and remove any automation prior to rig showing up. Install perimeter fence as needed.
- 2 MIRU slickline services. Pull bumper spring and tag bottom. RDMO slickline services.
- 3 Notify IOC when rig mobilizes to location to generate workorder for flowline removal & one call for line locates.
- 4 Prepare location for base beam equipped rig.
- 5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.
- 7 TOOH 2 3/8" production tubing. Stand Back.
- 8 MIRU WL. RIH gauge ring for 4 1/2" 11.6#/ft casing to 7732'. RIH CIBP w/ WL. Set at 7650'. PU dump bailer, dump bail 2 sx class 'G' cement on CIBP.
- 9 RIH CIBP w/ WL. Set at 7200'.
- 10 RIH with 2 3/8" tubing to 7200' while hydrotesting to 3,000 psi.
- 11 RU Cementers. Mix and equalize Niobrara casing plug: 40 sx class G w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 mixed at 15.8 ppg and 1.38 cuft/sk (55 cuft of slurry) to place balanced plug 7200'-6570'.
- 12 PUH to 4300' and circulate clean.
- 13 RU Cement Services. Mix and equalize Sussex casing plug: 40 sx class "G" w/ 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx (46 cuft of slurry) to place balanced plug from 4300' to -3800'.
- 14 PUH to 3000' and circulate to clear tubing. WOC per cement company recommendation.
- 15 Tag top of plug at 3800'. TOH standing back 1600' of WS. LD remainder.
- 16 ND BOPE, ND tubing head.
- 17 Install BOP on casing head with 4 1/2" pipe rams.
- 18 RU WL. Crack coupling or cut off casing at 1500'. RDMO WL. Circulate bottoms up and continue circulating as necessary to remove any gas from wellbore.
- 19 Pull and LD 4 1/2" casing. Install 2 3/8" pipe rams in BOP.
- 20 RIH with 2 3/8" tubing to 1600' (100' inside 4 1/2" casing stub).
- 21 RU Cementers. Mix and equalize Stub Plug: 540 sx Type III CaCl2 cement mixed at 14.8 ppg and 1.33 cf/sk (718 cuft of slurry). Cement volume based on 100' 4 1/2" csg, 10" OH 1500'-680' with 40% excess, and 8 5/8" csg from 680' to 480'
- 22 TOH and WOC per cement company recommendation.
- 23 Tag cement to confirm TOC is at or above 580'.
- 24 MIRU WL. RIH 8 5/8" CIBP to 80'. Set, PT to 1000 psi for 15 min. Assuming successful test, RDMO WL and WO rig.
- 25 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries and invoices to rscDJVendors@anadarko.com within 24 hrs of the completion of the job.
- 26 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
- 27 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
- 28 Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.
- 29 Welder cut 8 5/8" casing minimum 5' below ground level.
- 30 Fill surface casing with 4500 psi compressive strength cement (NO gravel).
- 31 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
- 32 Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.
- 33 Obtain GPS location data per COGCC Rule 215 and send to rscDJVendors@anadarko.com.
- 34 Back fill hole with fill. Clean location, level.
- 35 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: 6/6/2014 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: 6/12/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 12/11/2014

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 1600' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 630' or shallower. 4) 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>
400622526	FORM 6 INTENT SUBMITTED
400622531	PROPOSED PLUGGING PROCEDURE
400622532	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 5/12/2004.	6/9/2014 12:05:02 PM

Total: 1 comment(s)