

FORM  
6Rev  
12/05

## State 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

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03/06/2014

## 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 &amp; 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) 3974124

COGCC contact:

Email: john.montoya@state.co.us

API Number 05-123-09425-00

Well Name: UPRR 42 PAN AM AQ

Well Number: 1

Location: QtrQtr: CSW Section: 17 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: 40.134410

Longitude: -104.805950

GPS Data:

Date of Measurement: 05/25/2006

PDOP Reading: 2.5

GPS Instrument Operator's Name: Steve Fisher

Reason for Abandonment: ☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 280

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes☒ No

If yes, explain details below

Details: A cement stage tool was used when the well was drilled (March 1978) to isolate the Fox Hills. The tool resides at ~700', and cement is believed to be present from 405' - 715'.

## Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	7838	7882			

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	259	200	259	0	VISU
1ST	7+7/8	4+1/2	10.5/11.6	7,979	200	7,979	7,154	CALC
S.C. 1.1				715	200	715	405	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7758 with 2 sacks cmt on top. CIBP #2: Depth 100 with 23 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 60 sks cmt from 380 ft. to 100 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: ☐  
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 6700 ft. with 140 sacks. Leave at least 100 ft. in casing 6730 CICR Depth

Perforate and squeeze at 4170 ft. with 470 sacks. Leave at least 100 ft. in casing 4200 CICR Depth

Perforate and squeeze at 735 ft. with 400 sacks. Leave at least 100 ft. in casing 765 CICR Depth

(Cast Iron Cement Retainer Depth)

Set \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged: ☐

Set 23 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:

Perforate and squeeze at 7140 / 6700 ft. with 140 sacks Leave at least 100 ft. in casing 6730 CICR Depth  
 Perforate and squeeze at 4800 / 4170 ft. with 470 sacks Leave at least 100 ft. in casing 4200 CICR Depth  
 Perforate and squeeze at 1370 / 735 ft. with 400 sacks Leave at least 100 ft. in casing 765 CICR Depth  
 8 MIRU WL. RIH gauge ring for 4 1/2" 11.6#/ft casing to 7838'. RIH CIBP w/ WL. Set at 7758'. PU dump bailer, dump bail 2 sx class 'G' cement on CIBP. Do not PT (note squeeze holes).  
 9 Run CBL from CIBP to Surface. Forward results to Evans Engineering.  
 10 PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 7140' and 6700'. Adjust perf heights according to cement location on CBL. Desired bottom perf is 20' above TOC; Desired top perf is 400' above 7116' (Niobrara Top).  
 11 PU CICR. RIH and set at 6730'+/-20' pending collar locator on CBL. RD WL.  
 12 RIH w/ 2 3/8" tubing while hydrotesting to 3,000 psi.  
 13 RU Cementers. Pump Niobrara Suicide: 140 sx 50/50 Poz "G" w/ 20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 mixed at 13.5 ppg and 1.71 cf/sk (37.7bbls) (9" + 20% Caliper Log in file); to place suicide squeeze between perfs. Underdisplace and sting out of CICR to leave 3 bbls on top of retainer.  
 14 PUH 6 stands. Circulate 95bbls water containing biocide to clear tubing.  
 15 Place 9.0 ppg mud containing biocide from 6542' to 5120' (~23bbls). TOO H & WOC 4 hrs.  
 16 RUWL & PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 4800' and 4170'.  
 17 PU CICR. RIH and set at 4200'+/-20' pending collar locator on CBL. RD WL.  
 18 RIH w/ 2 3/8" tubing.  
 19 RU Cementers. Pump 5 bbl water w/ biocide, 20 bbl Sodium Metasilicate, and another 5 bbl spacer immediately preceding cement.  
 20 Pump SX/SH Suicide: 470 sx class "G", w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sx (138.5bbls) (11 1/2" +20% Caliper Log in file); to place suicide squeeze between perfs. Underdisplace and sting out of CICR to leave 3 bbls on top of retainer.  
 21 PUH 5 stands. Circulate 60bbls water containing biocide to clear tubing.  
 22 Place 9.0 ppg mud containing biocide from 4020' to 1370' (~43bbls). TOO H & WOC 4 hrs.  
 23 RUWL & PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 1370' and 735'.  
 24 PU CICR. RIH and set at 765'+/-20' pending collar locator on CBL. RD WL.  
 25 RIH w/ 2 3/8" tubing.  
 26 RU Cementers. Pump Surface Suicide: 400 sx Type III CaCl<sub>2</sub> cement mixed at 14.0 ppg and 1.53 cf/sx (105.7bbls) (635' in 12 1/4" OH+20% excess, 605' inside 4 1/2" production casing, and 2 bbls on top of CICR) to place suicide squeeze between perfs. Pump all but 2 bbls. Sting out of CICR and spot 2 bbls on top of retainer.  
 27 TOO H circulating as necessary to clear tubing. Place 9.0 ppg mud containing biocide from 577' to 380'. WOC 4 hrs.  
 28 RU WL. Crack coupling or shoot off casing at or below 280'. RDMO WL. Circulate hole using 20 bbl water containing biocide to remove any gas.  
 29 NDBOP, NDTH.  
 30 Install BOP on casing head with 4 1/2" pipe rams.  
 31 TOO H with 4 1/2" casing, LD.  
 32 RIH with 2 3/8" tubing to 380'.  
 33 RU Cementers. Spot Stub Plug: 60 sx Type III CaCl<sub>2</sub> cement mixed at 14.0 ppg and 1.53 cf/sx (15.4bbls) (100' inside 4 1/2" Prod Casing, 21' in 12 1/4" open hole, and 159' inside 8 5/8" surface casing).  
 34 Circulate 5 bbls water containing biocide to clear tubing.  
 35 TOO H. WOC 4 hrs. Tag Cement. Cement top needs to be above 150'; Proceed assuming TOC is above 150'. Otherwise, call production engineer.  
 36 MIRU WL. RIH 8 5/8" CIBP to 100'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.  
 37 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.  
 38 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.

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: 3/6/2014 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: 3/19/2014

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 9/18/2014

<u>COA Type</u>	<u>Description</u>
	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) No CBL on file. Run CBL to verify the top of primary cement is at least 200' over Niobrara, at least 50' below Sussex to 200' above Sussex, and adequately isolates the Fox Hills aquifer. If cement does not exist as required, provide this coverage as part of this plugging project. Use CBL results to verify the stage cement pumped from 715' to 405'. If cement missing, add cement behind production casing or cut casing deeper and add cement to ensure Fox Hills aquifer isolation. 3) If unable to pull casing contact COGCC for plugging modifications. 4) For 380' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 209' or shallower. 5) 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>
400567740	FORM 6 INTENT SUBMITTED
400567748	PROPOSED PLUGGING PROCEDURE
400567749	WELLBORE DIAGRAM

Total Attach: 3 Files

### **General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)