

FORM
6
Rev
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
Document Number: 400710665			
Date Received: 10/17/2014			

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: Carlile, Craig Tel: (970) 629-8279
COGCC contact: Email: craig.carlile@state.co.us

API Number 05-123-08552-00 Well Number: 1
 Well Name: UPRR 22 PAN AM GAS UNIT M
 Location: QtrQtr: NENE Section: 33 Township: 3N 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: 40.187936 Longitude: -104.774189
 GPS Data:
 Date of Measurement: 07/24/2008 PDOP Reading: 4.2 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: 1280
 Fish in Hole: Yes No If yes, explain details below
 Wellbore has Uncemented Casing leaks: Yes No If yes, explain details below
 Details: Successful squeeze work was completed in 2012. There was a 4 1/2" casing leak between 1958' - 1988' and it was successfully squeezed and successfully pressure tested to 500 psi. There was also squeeze work done from 6690' - 7100'.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	7865	7929			
NIOBRARA	6700	7090	06/01/2012	SQUEEZED	

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	637	400	637	0	VISU
1ST	7+7/8	4+1/2	11.6	8,029	200	8,029	7,100	CBL
S.C. 1.1				7,090	125	7,090	6,700	CBL
S.C. 2.1				2,034	120	2,034	1,752	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7815 with 70 sacks cmt on top. CIPB #2: Depth 80 with 25 sacks cmt on top.
 CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 70 sks cmt from 7815 ft. to 6730 ft. Plug Type: CASING Plug Tagged:
 Set 10 sks cmt from 1988 ft. to 1908 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:

Perforate and squeeze at 4700 ft. with 290 sacks. Leave at least 100 ft. in casing 4300 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 510 sacks half in. half out surface casing from 1380 ft. to 430 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:

2 MIRU slickline services. Pull bumper spring and tag bottom. Run pressure bomb and obtain pressure gradient survey from surface to 7897' (halfway between J sand perfs) making gradient stops every 1000'. Forward pressure bomb results to Evans Engineering. RDMO slickline services.

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, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.

6 TOO and stand back 2 3/8" production tubing (248 jts landed @ 7832').

7 MIRU WL. RIH gauge ring with junk basket for 4 1/2" 11.6 #/ft casing to 7850'. POOH.

8 Set CIBP at 7815' +/- 10' per CCL to abandon J sand perfs. Pressure test CIBP to 500 psi. There are previous cement squeeze perfs at 6700' & 7090'. If the pressure test does not pass, it may be these perfs leaking.

9 RIH 2 3/8" tubing to 7800' while hydrotesting to 3,000 psi. Tag CIBP then pick up 5'.

10 RU Cementers. Pump Niobrara Balanced Plug on: 70 sx (97 cuft) 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/sx to place plug from 7815' to 6730'. Volume based on 1085' inside 4 1/2" casing, no excess.

11 PUH to 6600' and circulate to clear tubing of cement.

12 RU WL. PU and RIH with 2- one foot guns that are 3 1/8" with 4 spf, 0.5" diam, 60 degree phasing. Shoot squeeze perfs at 4700' and 4270'. POOH and RD WL.

13 RIH with 4 1/2" CICR on 2 3/8" tubing and set at 4300'.

14 RU Cementers. Establish circulation with a 20 bbl sodium metasilicate pre-flush followed by a 5 bbl spacer. Then Pump Sussex Suicide Squeeze: 290 sx (334 cuft) class G w/ 0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sx. Underdisplace by 3 bbls and unsting from CICR spotting at least 100' of cement on top of squeeze holes. The plug will cover 4700' to 4270'. Volume based on 430' of 11" OH from caliper with 20% excess, 430' inside 4 1/2" casing with no excess. RD Cementers.

15 PUH to 4000' and circulate to clear tubing of cement.

16 P & SB 1380' of tubing, LD remainder.

17 MIRU WL. RIH with jet cutter and cut 4 1/2" casing at 1280'. RDMO WL.

18 Circulate hole with water containing biocide to remove any gas.

19 NDBOP, NDTH. Install BOP on casing head with 4 1/2" pipe rams.

20 TOO with 1280' of 4 1/2" casing, LD.

21 Remove 4 1/2" pipe rams and install 2 3/8" pipe rams.

22 RIH with 2 3/8" tubing 100' past casing stub to 1380'.

23 RU Cementers. Preceed cement with 10 bbl SAPP and a 20 bbl (min) fresh water spacer. Spot Fox Hills Stub Plug: 510 sx (678 cuft) Type III w/ cello flake CaCl2 as deemed necessary at 14.8 ppg and 1.33 cuft/sx to place plug from 1380' to 430'. Volume based on 100' inside 4 1/2" casing with no excess, 643' in 11" OH from caliper with 40% excess, 207' inside 8 5/8" surface casing with no excess. RD Cementers.

24 Trip up to 100' and circulate tubing clean using fresh water treated with biocide. TOO.

25 WOC 4 hrs. Tag cement. Cement top needs to be above 437'.

26 MIRU WL. RIH 8 5/8" CIBP to 80'. Set and pressure test to 1000 psi for 15 minutes. RDMO WL and WO rig.

27 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hrs of completion of the job.

28 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.

29 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.

30 Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.

31 Welder cut casing minimum 5' below ground level.

32 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel).

33 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.

34 Obtain GPS location data

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: 10/17/2014 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: 11/13/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 5/12/2015

<u>COA Type</u>	<u>Description</u>
	<p>Note change in plugging procedure:</p> <ol style="list-style-type: none"> 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Add casing plug at least 50' above and below casing leak between 1958' and 1988' 3) If unable to cut and pull casing below 700' contact COGCC for plugging modifications. 4) For 1380' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 587' or shallower. 5) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 6) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400710665	FORM 6 INTENT SUBMITTED
400710668	PROPOSED PLUGGING PROCEDURE
400710669	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 1/26/1976 & 4/5/2013.	10/29/2014 10:52:20 AM

Total: 1 comment(s)