

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

Document Number:

400521563

Date Received:

12/04/2013

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 05-123-09911-00

Well Name: JACK W. EASTMAN GU

Well Number: 1

Location: QtrQtr: NWSW Section: 13 Township: 2N Range: 67W 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: 40.134990

Longitude: -104.845030

GPS Data:

Date of Measurement: 01/20/2007

PDOP Reading: 3.6

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: 1320

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
J SAND	7852	7896			

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	635	480	635	0	VISU
1ST	7+7/8	4+1/2	10.5	7,958	220	7,958	6,758	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7790 with 2 sacks cmt on top. CIPB #2: Depth 7200 with 30 sacks cmt on top.
CIBP #3: Depth 100 with 30 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 30 sks cmt from 7200 ft. to 6758 ft. Plug Type: CASING Plug Tagged: ☐
Set 15 sks cmt from 4280 ft. to 4090 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 5020 ft. with 455 sacks. Leave at least 100 ft. in casing 4280 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 330 sacks half in. half out surface casing from 1420 ft. to 435 ft. Plug Tagged: ☒

Set 30 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:

EASTMAN JACK W GU #1

1 Call foreman or lead operator at least 24 hr prior to rig move. Request that 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 and VES. Pull bumper spring, tag bottom and run gyro survey from 7750' to surface with stops every 100'. Forward gyro survey data to Sabrina Frantz and invoices to Sabrina Frantz. RDMO slickline services and VES.

3 Provide notice of MIRU to COGCC field inspector as specified in approved Form 6.

4 Notify IOC when rig mobilizes to location to generate workorder for flowline removal and one call for line locates.

5 Prepare location for base beam equipped rig.

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

7 Notify cementers to be on call. Provide volumes (30 sx "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 cf/sk (inside 4.5"), 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 (10.5"+20% Caliper Log in file); 330 sx Type III CaCl₂ cement mixed at 14.0 ppg and 1.53 cf/sx (7.875"+60%)).

8 TOOH 2 3/8" production tubing. Stand back.

9 MIRU WL.

10 RIH gauge ring for 4.5" 11.6#/ft csg to 7825'.

11 RIH CIBP, set at 7790'. PT CIBP to 1000 psi. PU dump bailer, dump bail 2 sx class "G" cement on CIBP.

12 MIRU WL. RUN CBL from 7790' to surface. Contact production engineer if TOC is deeper than 6758' or if cement is found shallower than 5100'.

13 RIH CIBP, set at 7200'. PT CIBP to 1000 psi. RD WL.

14 TIH to 7200'+/- tag CIBP hydrotesting tubing in to 3000 psi. Roll hole using water containing biocide.

15 RU cement services.

16 Spot 30 sx "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 cf/sk on top of CIBP.

17 PUH 15 stands. Reverse circulate 50 BBL water containing biocide to clear tubing.

18 Place 9.0 ppg mud containing biocide from 6270' to 5020' (~20BBL). TOOH

19 RU WL. PU 2-1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 5020' and at 4250'. RD WL.

20 PU CICR on production tubing and set at 4280'. Initiate circulation through CICR using water containing biocide. Note rate and pressure.

21 RU cement services.

22 Pump 20 bbl Sodium Metasilicate immediately preceding cement.

23 Pump 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 cuft/sx. Underdisplace by 3 bbls, unsting from retainer and dump remaining on top of CICR.

24 PUH 7 stands. Reverse circulate 30 BBL water containing biocide to clear tubing.

25 Place 9.0 ppg mud containing biocide from 3846' to 1420' (~38BBL).

26 P&SB1420' tbg. LD remainder.

27 RU WL. Crack coupling or shoot off casing at 1320'. RDMO WL. Circulate hole using 107 BBL water containing biocide to remove any gas.

28 NDBOP, NDTH.

29 NU BOP on casing head, install 4-1/2" pipe rams.

30 TOOH with 4-1/2" casing, LD.

31 TIH into csg stub using production tubing to 1420'.

32 Spot 330 SX Type III CaCl₂ cement mixed at 14.0 ppg and 1.53 cuft/sx.

33 PUH to 150'. Circulate 20 BBLs water containing biocide to clear tubing.

34 TOOH. WOC 4 hrs.

35 TIH and tag. If cement is below 435', discuss with production engineer.

36 Fill casing with 9.0 ppg mud containing biocide from tag to 100'.

37 MIRU WL. RIH 8-5/8" CIBP to 100'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.

38 Supervisor submit paper copies of all invoices, logs, and reports to Frantz, Sabrina.

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

40 Excavate hole around surface casing enough to allow welder to cut 8 5/8" casing minimum 5' below ground level.

41 Welder cut 8 5/8" casing minimum 5' below ground level.

42 MIRU ready cement mixer. Use 4500psi compressive strength cement,

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: 12/4/2013 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: 12/7/2013

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 6/6/2014

<u>COA Type</u>	<u>Description</u>
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing, contact COGCC for plugging modifications. 3) Leave at least 100' cement in the wellbore for each plug. 4) For 1420' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 550' or shallower. 5) Properly abandon flowlines as per Rule 1103.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400521563	FORM 6 INTENT SUBMITTED
400521570	PROPOSED PLUGGING PROCEDURE
400521571	WELLBORE DIAGRAM
400521572	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well completion report dated 09/18/1980.	12/6/2013 10:22:05 AM

Total: 1 comment(s)