

FORM
6Rev
12/05State 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:

400721413

Date Received:

10/30/2014

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: Montoya, John

Tel: (970) 3974124

COGCC contact:

Email: john.montoya@state.co.us

API Number 05-123-10364-00

Well Name: HOBDAV

Well Number: 1

Location: QtrQtr: E2SE Section: 30 Township: 2N Range: 65W 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: 40.105869

Longitude: -104.700767

GPS Data:

Date of Measurement: 04/12/2010

PDOP Reading: 2.6

GPS Instrument Operator's Name: Paul Tappy

Reason for Abandonment:

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

Estimated Depth: 1520

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	7808	7852			

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	519	415	519	0	CALC
1ST	7+7/8	4+1/2	11.6	7,900	300	7,900	7,446	CBL
S.C. 1.1				7,900	100	6,385	6,220	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7735 with 2 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 _____ 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 7400 ft. with 330 sacks. Leave at least 100 ft. in casing 6670 CICR Depth

Perforate and squeeze at 4750 ft. with 340 sacks. Leave at least 100 ft. in casing 4270 CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 870 sacks half in. half out surface casing from 1620 ft. to 300 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:

Perforate and squeeze at 7400 & 6640 ft. with 330 sacks Leave at least 100 ft. in casing 6670 CIGR Depth
 Perforate and squeeze at 4750 & 4240 ft. with 340 sacks Leave at least 100 ft. in casing 4270 CIGR Depth
 5. MIRU WO rig. Kill well as necessary w/ water containing biocide. ND WH, NU BOP.
 6. Unseat and LD landing joint. PU w/ 2-3/8" tbg (4.7#, J-55, 8rd EUE) to break any sand bridges. Do not exceed the safety tensile load of 57,384 lbs (80% of upset yield strength).
 7. TOO H and SB 2-3/8" tbg (landed at 7,767').
 8. PU scraper for 4-1/2", 11.6# csg (well has both 11.6# & 10.5# 4-1/2" csg). TIH to +/- 7,750' (+/- 250 jts). TOO H and SB tbg. Circulate gas out of the well from 7,750' to prepare the well for a CBL.
 9. MIRU Wireline. PU CIBP for 4-1/2" (11.6#) csg on wireline and RIH to 7,735'. Set CIBP in the csg at 7,735' and pressure test to 1,000 psi for 15 min. Dump bail 2 sx of Class G cement on top of the CIBP. POOH wireline.
 10. PU CCL-CBL on wireline and RIH to CIBP (+/- 7,735'). Log to surface. Notify engineer of log results. POOH and LD CCL-CBL.
 11. PU and RIH on wireline two 1' perf guns (3-1/8", 6 spf, "Big Hole" 0.59" EHD, 4.72" penetration, 60o phasing, 2' net, 12 total holes) to 7,400'. Perf bottom squeeze holes at 7,400' then PUH to 6,640' and perf top squeeze holes in 4-1/2" prod csg. POOH and LD perf guns. RDMO Wireline.
 12. PU CIGR for 4-1/2" 11.6# csg on 2-3/8" tbg and RIH and set at 6,670'. Hydrotest to 3,000 psi while TIH.
 13. MIRU Cementing Services. Establish circulation using water containing biocide. Pump 330 sx (+/- 564 cuft) of cmt (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 cuft/sk yield. Under displace by 3 bbls and sting out of CIGR and dump 3 bbls of cmt on top of the CIGR. Planned cement is from 7,400' to 6,640' in 4-1/2" csg/10-1/2" annulus (from caliper, plus 20% excess) and from 7,430' to 6,540' in the 4-1/2" csg. RDMO Cementing Services.
 14. PU w/ 2-3/8" tbg to +/- 6,000' and circulate tbg clean. POOH and SB +/- 4,270' of tbg, LD the remainder.
 15. MIRU Wireline. PU and RIH two 1' perf guns on wireline (3-1/8", 6 spf, "Big Hole" 0.59" EHD, 4.72" penetration, 60o phasing, 2' net, 12 holes total) to 4,750'. Perf bottom squeeze holes at 4,750' then PUH to 4,240' and perf top squeeze holes in 4-1/2" prod csg. POOH and LD perf guns. RDMO Wireline.
 16. PU a CIGR on 2-3/8" tbg and TIH and set the CIGR at 4,270'. Establish circulation using fresh water containing biocide.
 17. MIRU Cementing Services. Pump 5 bbls of fresh water containing biocide, 20 bbls of metasilicate, and 5 bbls of fresh water containing biocide followed with 340 sx of cmt (+/- 391 cuft) of cmt (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/sk. Under displace by 3bbls of cement, sting out of CIGR and dump cmt on CIGR. Planned cement is from 4,750' to 4,240' in 4-1/2" csg/10-1/2" OH annulus (from caliper, plus 40% excess) & from 4,750' to 4,280' in 4-1/2", 11.6# csg. RDMO Cementing Services.
 18. PUH to +/- 3,800 and circulate to clean tbg. TOO H and SB +/- 1,620' of tbg, LD the remainder.
 19. MIRU Wireline. PU a jet cutter and RIH to 1,520' to cut 4-1/2" csg. Cut csg and circulate bottoms up. Continue to circulate to remove any gas in the wellbore. RDMO Wireline.
 20. ND BOP and tbg head. NU BOP on the surface csg with 4-1/2" pipe rams. Install 3,000 psi ball valves on the csg head outlets. Install a choke or a choke manifold on one outlet.
 21. TOO H and LD 4-1/2" csg. If unable to pull csg, contact the Engineer and notify COGCC.
 22. Remove the 4-1/2" pipe rams and install 2-3/8" pipe rams on the BOP.
 23. TIH w/ 2-3/8" tbg to +/- 1,620' (+/- 52 jts) so EOT is 100' in csg stub.
 24. Clean hole w/ 10 bbls of SAPP (Sodium Acid Pyrophosphate) followed by 20 bbls of fresh water containing biocide prior to pumping cement.
 25. MIRU Cementing Services. Spot 870 sx (+/- 1,157 cuft) of cmt (Type III w/ cello fl

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: 10/30/2014 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: 12/5/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 6/4/2015

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 1620' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 469' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num**Name**

400721413	FORM 6 INTENT SUBMITTED
400721414	WELLBORE DIAGRAM
400721416	PROPOSED PLUGGING PROCEDURE

Total Attach: 3 Files

General Comments

User Group**Comment****Comment Date**

Permit	Well Completion Report dated 9/25/1981.	11/5/2014 2:53:07 PM
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Total: 1 comment(s)