

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



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Document Number:

400600813

Date Received:

05/02/2014

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 05-123-21105-00

Well Name: HLADKY

Well Number: 12-21A

Location: QtrQtr: NWSW Section: 21 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: 40.121950

Longitude: -104.789750

GPS Data:

Date of Measurement: 05/01/2008

PDOP Reading: 1.9

GPS Instrument Operator's Name: Cody Mattson

Reason for Abandonment: ☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ OtherCasing 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:

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7470	7484			
J SAND	7844	7894			
NIOBRARA	7193	7283			

Total: 3 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	932	560	932	0	VISU
1ST	7+7/8	4+1/2	11.6	8,011	197	8,011	6,495	CBL
			Stage Tool	4,902	295	4,902	4,099	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7760 with 2 sacks cmt on top. CIPB #2: Depth 7100 with 30 sacks cmt on top.
CIBP #3: Depth 80 with 25 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 <u>30</u> sks cmt from <u>7100</u> ft. to <u>6700</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>50</u> sks cmt from <u>4822</u> ft. to <u>4222</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>235</u> sks cmt from <u>1600</u> ft. to <u>732</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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:

HLADKY 12-21A**Step Description of Work**

1 Note: Production Casing = 4 1/2" OD, 11.6#/ft, I-80; Production Hole Drilled @ 8 5/8"

2 Provide 48 hr 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.

3 MIRU slickline services. Pull bumper spring and tag bottom. RDMO slickline services.

4 Notify IOC when rig mobilizes to location to generate workorder for flowline removal & 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 listed below:

7.1 Niobrara Plug: 30 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 (Inside 4 1/2" Casing, no excess)

7.2 SX Balanced Plug: 50 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 4 1/2" casing, no excess)

7.3 Stub Plug: 235 sx Type III CaCl₂ cement w/0.25 pps cello flake mixed at 14.0 ppg and 1.53 cf/sx (100' in 4 1/2" prod casing, 568' in 8-1/2" OH + 20% excess, and 202' in 8 5/8" surface casing)

8 TOO H 2 3/8" production tubing. Stand Back.

9 MIRU WL. RIH gauge ring for 4 1/2" 11.6#/ft casing to 8011'. POOH.

10 RIH CIBP w/ WL. Set at +/- 7760'. POOH. Dump bail 2 sx class "G" cement on CIBP.

11 RIH CIBP w/WL. Set at +/- 7100'. RDMO WL.

12 Pressure test CIBP to 1000 psi

13 Run CBL from CIBP to Surface. Send results to Tyler.Davis@anadarko.com immediately. RDWL.

14 RIH to 7100' w/ 2 3/8" tubing while hydrotesting to 3,000 psi.

15 RU Cementers. Pump Niobrara Plug: 30 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 (Inside 4 1/2" Casing, no excess) to place balanced plug.

16 PUH 9 stands. Circulate 95 bbls water containing biocide to clear tubing.

17 Trip 2-3/8" down to 4820'.

18 Pump SX Balanced plug: 50 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 to place cement in casing.

19 PUH 5 stands. Circulate 55 bbls water containing biocide to clear tubing. Then, TOO H and SB remainder of tbq.

20 RU WL. Shoot off casing at or below 1500'. RDMO WL. Circulate a full circulation with water containing biocide to remove any gas.

21 NDBOP, NDTH.

22 Install BOP on casing head with 4 1/2" pipe rams.

23 TOO H with 4 1/2" casing, LD.

24 RIH with 2 3/8" tubing to 1600'.

25 RU Cementers. Spot Stub Plug: 235 sx Type III CaCl₂ cement w/0.25 pps cello flake mixed at 14.0 ppg and 1.53 cf/sx (100' in 4 1/2" prod casing, 568' in 8-1/2" OH + 20% excess, and 202' in 8 5/8" surface casing).

26 Circulate 5 bbls water containing biocide to clear tubing.

27 TOO H. WOC 4 hrs. Tag Cement. Cement top needs to be above 732'; Proceed assuming TOC is above 732'. Otherwise, call production engineer.

28 MIRU WL. RIH 8 5/8" CIBP to 80'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.

29 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.

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

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

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

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

34 MIRU ready cement mixer. Use 4500 psi compressive strength cement, (NO gravel) fill stubout.

35 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location.

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: 5/2/2014

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: 5/7/2014

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 11/6/2014

<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) For 1600' plug: pump plug and displace, shut in, WOC 4 hours and tag plug-must be 880' 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>
400600813	FORM 6 INTENT SUBMITTED
400600829	PROPOSED PLUGGING PROCEDURE
400600830	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

Total: 0 comment(s)