

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: 400613044			
Date Received: 05/22/2014			

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: REBECCA HEIM
Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP	Phone: (720) 929-6361
Address: P O BOX 173779	Fax: (720) 929-7361
City: DENVER State: CO Zip: 80217-	Email: REBECCA.HEIM@ANADARKO.COM
For "Intent" 24 hour notice required, Name: Carlile, Craig Tel: (303) 8942100	
COGCC contact: Email: craig.carlile@state.co.us	

API Number 05-123-17063-00	Well Number: 16-12L
Well Name: STATE	
Location: QtrQtr: NWSW Section: 16 Township: 3N Range: 67W Meridian: 6	
County: WELD	Federal, Indian or State Lease Number: 72/2162-S
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: 40.223810	Longitude: -104.901820
GPS Data:	
Date of Measurement: 03/22/2006	PDOP Reading: 2.7
GPS Instrument Operator's Name: Steve Fisher	
Reason for Abandonment: <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Production for Sub-economic <input type="checkbox"/> Mechanical Problems	
<input type="checkbox"/> Other	
Casing to be pulled: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated Depth:
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, explain details below
Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	7071	7079			
NIOBRARA	6813	6864			
J SAND	7515	7554			7815
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	23	503	400	503	0	VISU
1ST	7+7/8	4+1/2	11.6	7,188	225	7,188	6,266	CBL
1ST LINER	3+7/8	2+7/8	6.5	7,660	25	7,660	7,160	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7420 with 1 sacks cmt on top. CIPB #2: Depth 6730 with 25 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 25 sks cmt from 6730 ft. to 6390 ft. Plug Type: CASING Plug Tagged: ☐
Set 290 sks cmt from 960 ft. to 300 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: ☐

Perforate and squeeze at 4610 ft. with 690 sacks. Leave at least 100 ft. in casing 3810 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 290 sacks half in. half out surface casing from 960 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 4610' / 3780' ft. with 690 sacks Leave at least 100 ft. in casing 3810' CICR Depth

1 Note: Production Casing = 4 1/2" OD, 11.6#/ft, M-75; Production Hole Drilled @ 7 7/8"; 2 7/8" Liner top at 7140'.

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 Check and report surface casing pressure. If surface casing is not accessible at ground level, re-plumb so valve is at ground level.

6 Prepare location for base beam equipped rig. MI ~15 additional 2 3/8 " prod tbg jts.

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

8 Notify cementers to be on call. Provide volumes listed below:

8.1 Niobrara Plug: 25 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 (5.3 bbls) (Inside 2 7/8" Casing, no excess)

8.2 "SX/SH Suicide: 690 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 bbls) (12 1/4 "+20% excess)"

8.3 Stub Plug: 290 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.0 ppg and 1.53 cf/sx (76.9 bbls) (100' in 4 1/2" prod casing, 357' in 12 1/4" OH + 20% excess, and 203' in 8 5/8" surface casing)

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

10 MIRU WL. RIH gauge ring for 2 7/8" 6.5#/ft casing to 7420'.

11 RIH CIBP w/ WL. Set at 7420'. PU dump bailer, dump bail 1 sx class 'G' cement on CIBP.

12 RIH CIBP w/ WL. Set at 6730'. RDMO Wireline. PT 4 1/2" casing to 1000 psi.

13 RIH to 6730' w/ 2 3/8 " tubing while hydrotesting to 3,000 psi.

14 "RU Cementers. Pump Niobrara Plug: 25 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 (5.3 bbls) (Inside 2 7/8" Casing, no excess) to place balanced plug between 6730' - 6390'."

15 PUH 9 stands. Circulate 90 bbls water containing biocide to clear tubing. P&LD tbg to 4610'.

16 RUWL & PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 4610' and 3780'.

17 PU CICR. RIH on wireline and set at 3810'. RD WL.

18 RIH w/ stinger on 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: 690 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 bbls) (12 1/4 "+20% excess) 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 50 bbls water containing biocide to clear tubing.

22 RU WL. Shoot off casing at or below 860'. RDMO WL. Circulate a full circulation with water containing biocide to remove any gas.

23 NDBOP, NDTH.

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

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

26 RIH with 2 3/8 " tubing to 960'.

27 RU Cementers. Spot Stub Plug: 290 sx Type III CaCl2 cement w/0.25 pps cello flake mixed at 14.0 ppg and 1.53 cf/sx (76.9 bbls) (100' in 4 1/2" prod casing, 357' in 12 1/4" OH + 20% excess, and 203' in 8 5/8" surface casing).

28 Circulate 5 bbls water containing biocide to clear tubing.

29 TOO H. WOC 4 hrs. Tag Cement. Cement top needs to be above 403'; Proceed if TOC is above 403'. Otherwise, call production engineer.

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

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: REBECCA HEIM
 Title: SR. REGULATORY ANALYST Date: 5/22/2014 Email: rscdjpostdrill@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: 5/27/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 11/26/2014

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 960' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 450' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.
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Attachment Check List

Att Doc Num**Name**

400613044	FORM 6 INTENT SUBMITTED
400613052	PROPOSED PLUGGING PROCEDURE
400613054	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

Permit	Well Completion reports dated 11/16/1993 & 11/29/2004.	5/23/2014 10:28:23 AM
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Total: 1 comment(s)