

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: 400704971			
Date Received: 10/10/2014			

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

API Number 05-123-25929-00	Well Number: 16-35
Well Name: BROWN	
Location: QtrQtr: SESE Section: 35 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: 40.175890	Longitude: -104.736800
GPS Data:	
Date of Measurement: 07/26/2007	PDOP Reading: 3.4 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: 1450
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	7493	7510			
NIOBRARA	7217	7374			
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	9+7/8	7	20	861	420	861	0	VISU
1ST	6+1/4	4+1/2	11.6	7,636	210	7,636	3,510	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7130 with 25 sacks cmt on top. CIBP #2: Depth 100 with 20 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 40 sks cmt from 4825 ft. to 4300 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

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 160 sacks half in. half out surface casing from 1550 ft. to 600 ft. Plug Tagged: ☒

Set _____ sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☐ Yes ☒ No

Set 20 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:

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. A Form 17 dated 7/24/2014 showed ~300 psi on the Bradenhead producing ~1 bbl condensate in 15 minutes.
 5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD.
 6 POOH and stand back 2-3/8" tbg. (237 jnts landed at 7458')
 7 MIRU WL. RIH w/ gauge ring for 4-1/2" 11.6# csg to 7200'.
 8 RIH and Set 4-1/2" CIBP at 7130'. PT csg and CIBP to 1000 psi for 15 minutes. RDMO WL.
 9 Notify Cementers to be on call.
 10 RIH 2-3/8" tbg while hydrotesting to 3000 psi to CIBP at 7130'. Tag CIBP and pick up 5'.
 11 RU Cementers. Pump Niobrara plug consisting of 34.5 cu-ft (25 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 cuft/sk. Calculated top in the 4-1/2" csg is 6800'.
 12 PUH to 6500' and circulate hole clean. PUH to 4825' laying down tbg.
 13 Pump Sussex Balanced plug: 46 cu-ft (40 sks) "G" w/ 0.4% CD-32, 0.4% ASA-301 with CaCl₂ as necessary. Mixed at 15.8 ppg, 1.15 cuft/sack. Calculated top of plug at 4300' based in the 4-1/2" csg. PUH to ~3800' and circulate hole clean. WOC per cement company recommendation. RD Cementers.
 14 RIH and tag top of plug at 4300'. POOH, standing back 50 jts and laying down the rest.
 15 MIRU Wireline. Cut off 4-1/2" csg at 1450'. RDMO WL. Circulate using water and biocide to remove all gas and condensate from wellbore. Note: Well had ~300 psi on the Bradenhead on 7/24/2014 producing gas and condensate.
 16 ND BOP and tubing head. Install a BOP on surface casing head with 4-1/2" pipe rams. Install 3000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet.
 17 POOH and LD 4-1/2" csg. Remove the 4-1/2" pipe rams and Install 2-3/8" pipe rams.
 18 RIH w/ 2-3/8" WS open ended 100' into the 4-1/2" csg stub to 1550'.
 19 MIRU Cementers. Pump Fox Hills Balanced plug: Pump mud flush of 10 bbls SAPP followed by 20 bbls water ahead of 213 cu-ft (170 sx) Type III w/cello flake and CaCl₂ as deemed necessary, mixed at 1.33 cf per sack, 14.8 ppg. POH and WOC per cementing company recommendation. Plug size is based on 6-1/4" hole with 20% excess covering 1550' to shoe of surface casing at 861' plus capacity of surface casing to 600'. PUH to 150' and Circulate out any excess cmt. TOH and WOC per cement company recommendation.
 20 RIH and tag top of plug. Plug needs to be tagged at 660' or shallower. POOH and LD 2-3/8" tbg.
 21 RU wireline. Run and set CIBP in the 7", 20# surface casing at 100'. PT CIBP and surface casing to 1000 psi for 15 minutes. Assuming successful test, RD wireline. RDMO workover rig.
 22 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.
 23 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.
 24 Excavation crew to notify One Call to clear excavation area around wellhead and for flowlines.
 25 Excavate hole around surface casing enough to allow welder to cut casing minimum 5' below ground level.
 26 Welder cut casing minimum 5' below ground level. 27 Fill casing to surface using 4500 psi compressive strength cement, (NO gravel). 28 Spot weld on steel marker plate. Marker should contain Well name, Well number, legal location (1/4 1/4 descriptor) and API number.
 29 Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.
 30 Back fill hole with fill. Clean location, level. 31 Submit Form 6 to COGCC ensuring to provide 'As performed' WBD identifying operations completed.

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: 10/10/2014 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: 11/5/2014

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 5/4/2015

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 1550' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 811' 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.
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Attachment Check List

Att Doc Num**Name**

400704971	FORM 6 INTENT SUBMITTED
400704974	PROPOSED PLUGGING PROCEDURE
400704975	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

Permit	Well completion report DocNum 1882483 04/21/2008	10/21/2014 8:16:44 AM
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Total: 1 comment(s)