

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



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Document Number:

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Date Received:

03/04/2015

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: Carlile, Craig

Tel: (970) 629-8279

COGCC contact:

Email: craig.carlile@state.co.us

API Number 05-123-15059-00

Well Name: MEGAN H

Well Number: 16-15

Location: QtrQtr: SWSE Section: 16 Township: 3N 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: 40.219950

Longitude: -104.666250

GPS Data:

Date of Measurement: 03/07/2010

PDOP Reading: 1.6

GPS Instrument Operator's Name: ROBERT DALY

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

Estimated Depth: 1200

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	7192	7206			
SUSSEX	4459	4503	08/07/2003	SQUEEZED	

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	12+1/4	8+5/8	24	470	240	470	0	VISU
1ST	7+7/8	3+1/2	9.2	7,358	640	7,358	6,400	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7140 with 20 sacks cmt on top. CIBP #2: Depth _____ with _____ 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 20 sks cmt from 7140 ft. to 6480 ft. Plug Type: CASING Plug Tagged: ☐
Set 25 sks cmt from 4610 ft. to 4000 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 _____ 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 640 sacks half in. half out surface casing from 1300 ft. to 370 ft. Plug Tagged: ☒

Set _____ 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:

2 Check and report surface casing pressure. If surface casing is not accessible at ground level, replumb so valve is at ground level.

3 Prepare location for base beam equipped rig. Install perimeter fence as needed.

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

5 MIRU, kill as necessary using clean fresh water with biocide. ND WH. NU BOP. Unseat landing jt, LD. Tbg is landed @ 7142' KB w/ 218 jts.

6 TOO and stand back 2 1/16" tbg.

7 MIRU Warrior WL. RIH gauge ring for 3 1/2" 9.2# casing to 7200'. POH.

8 RIH 3 1/2" CIBP and set @ 7140' to abandon Codell perms. Pressure test CIBP and casing to 1000 psi for 15 minutes. RDWL.

9 Run a gyro directional survey from EOT @ 7168' to surface with 100' stations. Forward results of both surveys to Sabrina Frantz in Evans Engineering.

10 TIH w 2 1/16" tbg open ended to CIBP at 7140'. Hydro -test tbg to 3000 psi.

11 RU cementers and equalize a balanced plug above CIBP from 7140' to 6480' as follows: 20 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. (28 cuft of slurry).

12 POH to ~6280' and circulate tbg clean using fresh water treated with biocide. TOO standing back 4650' of tbg.

13 RU cementers and equalize a balanced plug across Sussex from 4610' to 4000' as follows: 25 sx class "G", w/ 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cuft/sk (29 cuft of slurry).

14 POH to ~3800. Circulate water containing biocide to clear tubing. POH standing back ~1200' of tbg.

15 RU WL. Crack coupling or cut casing at 1200'. RDMO WL. Circulate bottoms up and continue circulating to remove any gas from wellbore.

16 ND BOP and wellhead. Install BOP on surface casing head with 3 1/2" pipe rams. Install 3000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet.

17 TOO and LD 1200' of 3 1/2" casing.

18 RIH with 2 1/16" tubing open-ended to 1300' (100' inside 3 1/2" stub).

19 RU cementers. Establish circulation with fresh water treated with biocide. If circulation cannot be established contact Evans engineering before proceeding. Pump 10 bbl SAPP (Sodium Acid Pyrophosphate) followed by 20 bbl (min.) fresh water spacer immediately preceding cement.

20 Pump balanced Stub Plug to surface: 640 sx Type III w/0 .25#/sk cello flake and CaCl2 as deemed necessary mixed at 14.8 ppg and 1.33 cf/sx (847 cuft of slurry). Cement volume based on 100' in 3 1/2" csg, 470' in 8 5/8" csg, and 730' in 11.0" OH + 40% excess. (based on 11.0" OH with 40% excess from caliper log 8/10/91). We should see cement to surface.

21 TOO. WOC per cementing company recommendation. Tag Cement. TOC should be at or above 370'. If not, consult Evans Engineering.

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 Evans Engineering Specialist.

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 8 5/8" casing minimum 5' below ground level.

26 Welder cut 8 5/8" 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 Obtain GPS location data as per COGCC Rule 215 and send to rscDJVendors@anadarko.com.

30 Properly abandon flowlines per Rule 1103. File electronic Form 42 once abandonment complete.

31 Back fill hole with fill. Clean location, level.

32 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: 3/4/2015 Email: cheryl.light@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: 4/6/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 10/5/2015

<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 1300' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 420' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit existing gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2437777	PROPOSED PLUGGING PROCEDURE
400803084	FORM 6 INTENT SUBMITTED
400820441	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion Report dated 8/7/1991 & 3/17/1993.	3/5/2015 1:59:28 PM

Total: 1 comment(s)