

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.

Document Number:
402003872

Date Received:
08/04/2019

OGCC Operator Number: 10352 Contact Name: Stephen Wolfe

Name of Operator: CM PRODUCTION LLC Phone: (303) 894-2100

Address: 390 UNION BLVD SUITE 620 Fax: _____

City: LAKEWOOD State: CO Zip: 80228 Email: stephen.wolfe@state.co.us

For "Intent" 24 hour notice required, Name: Waldron, Emily Tel: (970) 819-9609

COGCC contact: Email: emily.waldron@state.co.us

API Number 05-057-06047-00

Well Name: MARGARET SPAULDING Well Number: 4-B

Location: QtrQtr: SWSE Section: 28 Township: 9N Range: 81W Meridian: 6

County: JACKSON Federal, Indian or State Lease Number: _____

Field Name: LONE PINE Field Number: 51375

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.718408 Longitude: -106.498800

GPS Data:
Date of Measurement: 12/23/2011 PDOP Reading: 1.5 GPS Instrument Operator's Name: R Miller

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other COGCC Orphaned Well Program

Casing to be pulled: Yes No Estimated Depth: _____

Fish in Hole: Yes No If yes, explain details below

Wellbore has Uncemented Casing leaks: Yes No If yes, explain details below

Details: This well is being plugged by COGCC as part of the CM Production Bond Claim Project.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
DAKOTA-LAKOTA	2323	2466			

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	420	0	420	0	VISU
1ST	7+7/8	5+1/2	14	2,553	225	2,553	1,370	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 2273 with 5 sacks cmt on top. CIBP #2: Depth 1500 with 4 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 470 ft. with 60 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 15 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. _____ inch casing Plugging Date: _____
of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Dakota portion of original Dakota-Lakota completion may have been squeezed by operator (no documentation found). Last MIT 7/22/2011, 575 psi; Lakota perfs only on Form 21, with no report of Dakota squeeze; 2-7/8" tubing with injection packer set at 2140'. Bradenhead test prior to plugging is a requirement of the Scope of Work. Cement Bond Log #266381 in well file. Surface plug: 15 sx cement in casing and annulus, including allowance for top-off.

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

Signed: _____ Print Name: David Andrews

Title: Manager Date: 8/4/2019 Email: david.andrews@state.co.us

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: Wolfe, Stephen Date: 8/4/2019

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 2/3/2020

COA Type	Description
	<p>Bradenhead Testing Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations.</p> <ol style="list-style-type: none"> 1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. <p>The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p>
	<p>Plugging</p> <ol style="list-style-type: none"> 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line the operator must submit a Flowline Report, Form 44. 3) Plugs and squeezes will be placed as stated in the Plugging Procedure section of the approved NOIA unless revised by COA or prior approval from COGCC is obtained. 4) The wellbore must be static prior to placing cement plugs which are to be a minimum of 100' in length for all but surface plugs. Mechanical isolation requires a 25' cement plug, minimum. 5) Place a 50' plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. Confirm cement to surface in all strings during cut and cap. 6) After placing the shallowest hydrocarbon isolating plug (1500'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations. 7) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed. 8) No current Form 17 on file with COGCC. Contact COGCC area engineer and inspector with results of pre-plugging bradenhead test for confirmation of plugging procedure prior to commencing plugging operations. 9) Add intermediate isolation at 1500', CIBP with 4 sx of cement or 25 sx casing plug. 10) Increase cement on CIBP at 2373' to 25 sx.
	<p>Venting Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p>

Attachment Check List

Att Doc Num	Name
402003872	FORM 6 INTENT SUBMITTED
402003873	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Logs 8/9/72 CNL WW + Elev + 50 = 110' 2 miles	08/04/2019
Well File Verification	Pass	04/12/2019
Permit	No info available on Dakota perms. Pass	04/11/2019

Total: 3 comment(s)