

Document Number:  
401792552

Date Received:  
10/31/2018

**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: 17180 Contact Name: Sharon Ward

Name of Operator: CITATION OIL & GAS CORP Phone: (281) 891-1556

Address: 14077 CUTTEN RD Fax: \_\_\_\_\_

City: HOUSTON State: TX Zip: 77269 Email: sward@cogc.com

**For "Intent" 24 hour notice required,** Name: Welsh, Brian Tel: (719) 325-6919

**COGCC contact:** Email: brian.welsh@state.co.us

API Number 05-017-06614-00

Well Name: MPU Well Number: 43-34

Location: QtrQtr: NESE Section: 34 Township: 13S Range: 48W Meridian: 6

County: CHEYENNE Federal, Indian or State Lease Number: \_\_\_\_\_

Field Name: MOUNT PEARL Field Number: 56770

Notice of Intent to Abandon       Subsequent Report of Abandonment

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 38.871700 Longitude: -102.761805

GPS Data:  
Date of Measurement: 05/17/2009 PDOP Reading: 5.4 GPS Instrument Operator's Name: Joseph Dugan

Reason for Abandonment:  Dry     Production Sub-economic     Mechanical Problems  
 Other \_\_\_\_\_

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: \_\_\_\_\_

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
MORROW	5364	5372	10/03/2016	B PLUG CEMENT TOP	5300

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	379	250	379	0	VISU
1ST	7+7/8	5+1/2	14	5,574	200	5,574	0	VISU

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 4194 ft. to 3994 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 2320 ft. with 55 sacks. Leave at least 100 ft. in casing 2220 CICR Depth  
Perforate and squeeze at 1700 ft. with 65 sacks. Leave at least 100 ft. in casing 1600 CICR Depth  
Perforate and squeeze at 430 ft. with 165 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:

1. MIRU SU, MIRU WL MIRU CMT TRK
2. TIH w/ Perf Gun Perf intervals: 2,090'-91', 1,700'-01 & 430'-31' w/ 3 SPF 120° Phasing Angle Perf Gun, TOH w/ spent guns
3. MIRU Cmt Trk
4. PU 2-7/8" TBG, TIH to 4,194', Pump 20 sx balance plug 4,194'-3,994'
5. TOH PU CICR, TIH set at 2,190'
6. Sting into CIRC Mix & Pump 50 sx thru CICR, Sting out CICR and Pump 5 sx CMT on CICR (total of 55 sx at this stage)
7. TOH PU CICR, TIH set at 1,600'
8. Sting into CIRC Mix & Pump 50 sx thru CICR, Sting out CICR and Pump 5 sx CMT on CICR (total of 65 sx at this stage)
9. Open Bradenhead
10. TOH PU PKR, TIH to 400, set PKR, SQZ 120 sx CMT through perfs to surface, J out Spot 45 sx CMT to surface.  
a. If not able to SQZ 120 sx CMT to Surf, Hook on to 5 1/2" CSG and pump 120 sx down backside.
11. RDMO CMT TRK
12. SI well and WOC to Cure.
13. ND cementing valves and cut off wellhead. Fill 5.5" casing with cement as necessary. Install P&A marker to comply with regulations. RDMO and restore location.

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

Signed: \_\_\_\_\_ Print Name: Sharon Ward  
Title: Permitting Manager Date: 10/31/2018 Email: sward@cogc.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: SUTPHIN, DIRK Date: 1/14/2019

COA Type	Description
	<p>Plugging:                      1) Provide 48 hour notice of MIRU via electronic Form 42.                      2) Shoe plug: Tag plug 50' above surface casing shoe, if not circulated to surface.                      3) Surface plug: Cement from 50' to surface in casing and annulus.</p> <p>Bradenhead:                      1) If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations a Bradenhead test shall be performed. The Form 17 shall be submitted within 10 days of the test.                      2) If before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.                      3) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.                      Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling.</p> <p>Venting during plugging:                      Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p> <p>Flowlines:                      Properly abandon on-location flowlines as per Rule 1105. File electronic Form 42 once abandonment is 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.</p>

**Attachment Check List**

Att Doc Num	Name
401792552	FORM 6 INTENT SUBMITTED
401792648	OPERATIONS SUMMARY
401792649	WELLBORE DIAGRAM
401818246	WELLBORE DIAGRAM

Total Attach: 4 Files

**General Comments**

User Group	Comment	Comment Date
Engineer	Wellbore diagram had depths of squeeze perf and CICR reversed 2190'/2090'. DIL indicates base of CYNN deeper than proposed plug. Changed depth of plug to 2320' to ensure plug is below CYNN.	01/14/2019
Permit	Operator has submitted missing 5A. Corrected date of abandonment for Morrow B on Form 6 to reflect Form 5A.	01/08/2019
Permit	Missing attachments. Returned to draft.	10/31/2018
Permit	Returned to draft. Missing current wellbore diagram and info on plugging procedure tab. Submit 5A showing Abandonment of Murrow on 10/1/2015.	10/17/2018
Well File Verification	Pass	10/12/2018

Total: 5 comment(s)