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07/23/2019

**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: 51130 Contact Name: Michael Nicol

Name of Operator: LOCIN OIL CORPORATION Phone: (281) 362-8600

Address: 2445 TECHNOLOGY FOREST BD #710 Fax: (281) 419-6626

City: THE WOODLANDS State: TX Zip: 77381 Email: mnicol@locinoil.com

**For "Intent" 24 hour notice required,** Name: Moran, Rick Tel: (720) 827-6689

**COGCC contact:** Email: rick.moran@state.co.us

API Number 05-103-08777-00

Well Name: FORK UNIT FEDERAL Well Number: 9-10-2-2

Location: QtrQtr: NESE Section: 10 Township: 2S Range: 102W Meridian: 6

County: RIO BLANCO Federal, Indian or State Lease Number: 44626

Field Name: DRAGON TRAIL Field Number: 18700

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 39.886367 Longitude: -108.822167

GPS Data:  
Date of Measurement: 06/23/2011 PDOP Reading: 1.6 GPS Instrument Operator's Name: L Christian

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
MANCOS B	2722	2798	06/17/2019	BRIDGE PLUG	2703

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	176	200	176	0	VISU
1ST	7+7/8	5+1/2	15	3,214	199	3,214	2,222	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIPB #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 275 ft. to 0 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 226 ft. with 25 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 \_\_\_\_\_ 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:

We currently have a rig on location working on a casing repair.  
We found holes at 603-632, 903-933 and 1147-1179 feet.  
We have repaired the hole at 603-632 feet.

There is currently a retrievable bridge plug set at 2703 feet. The plug was tested to 400 psi and held.

There is a cement plug from 814-1190 feet. The casing above 814 was tested to 400 psi and held. We have been drilling on this cement plug for days and very slow drilling. Estimate another 4 days drilling at the current rate.

We propose to plug and abandon the well as follows:

1. Fill the hole from 814 to surface with produced water (9lb brine)
2. Perforate casing at approx 226 feet.
3. Run in hole with end of tubing at 275 feet (50 feet below perf).
4. Pump cement plug from 275 to surface and circulate up annulus.
5. Cut off well head, weld on plate with information.

Procedure verbally approved by Bud Thompson at BLM on 7/23/19 at 1pm.

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

Signed: \_\_\_\_\_ Print Name: Michael Nicol

Title: Manager Date: 7/23/2019 Email: mnicol@locinoil.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:

Date: 8/15/2019

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 2/14/2020

**COA Type****Description**

- 1) Provide notice of plugging MIRU via electronic Form 42.
- 2) Check bradenhead pressure and perform a bradenhead test prior to MIRU. If the pressure is greater than 25 psi measured at the time of the test then a sample of both the production and bradenhead gas shall be collected and submitted for laboratory analysis of the gas composition and stable isotopes. The compositional analysis should include hydrogen, argon, oxygen, carbon dioxide, nitrogen, methane (C1), ethane (C2), ethene, propane (nC3), isobutane (iC4), butane (nC4), isopentane (iC5), pentane (nC5), hexanes +, specific gravity and British Thermal Units (BTU). The stable isotope analysis should include delta DC1, delta 13C1, delta 13C2, delta 13C3, delta 13iC4, delta 13nC4, delta 13iC5 (if possible), delta 13nC5 (if possible), and delta 13C of CO2 (if possible). The analytical results shall be submitted to the COGCC via Form 43 (Analytical Sample Submittal Form).

Gas sample containers should be filled in accordance with container manufacturer or laboratory recommendations; purging multiple container volumes may not be feasible due to limited gas volumes.

If water is encountered in the bradenhead during testing then samples should be collected and submitted for the laboratory analysis of major anions (chloride, carbonate, bicarbonate, and sulfate), cations (sodium, potassium, calcium, and magnesium) total dissolved solids (TDS), BTEX, DRO, GRO, and dissolved gasses (RSK 175). If there is a limited amount of water available then anions, cations and BTEX should be given first priority. Data from bradenhead water samples shall be submitted to the COGCC via Form 43.

Please refer to Appendix A of the COGCC Operator Instructions for Bradenhead Testing and Reporting for more information regarding testing and sampling protocol.

The operator shall provide notice to Environmental Supervisor Alex Fischer at alex.fischer@state.co.us or 303-894-2100 X 5138 and Northwest Region Engineer Shannon Chollett at shannon.chollett@state.co.us or 970-250-0130, a minimum of 72 hours prior to conducting field operations. Bradenhead testing and sample collection (if applicable). 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.
- 3) 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 shall submit a Flowline Report, Form 44.
- 4) This well has federal minerals. Operator shall notify COGCC engineering staff of any plugging changes required by the BLM or unexpected conditions in the field as soon as feasible.
- 5) 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.
- 6) Do not install surface casing shoe plug unless the surface casing pressure (bradenhead) and production casing pressure is zero. If there is pressure contact COGCC Engineer, additional deeper plug(s) will be required to ensure no surface casing (bradenhead) and or production casing pressure exist.
- 7) Tag existing cement plug at ~814'.
- 8) Visually confirm returns to surface in 5.5" production casing as well as annulus between the 5.5" production casing and the 8.625" surface casing.
- 9) Provide wireline ticket or other proof that bridge plug was set at 2,703'.

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
1577674	Wellbore Diagram - Proposed
1577675	CBL
2137061	Wireline Job Summary
402119035	FORM 6 INTENT SUBMITTED
402119112	WELLBORE DIAGRAM

Total Attach: 5 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Waiting on wireline ticket	08/12/2019

Total: 1 comment(s)