

**Replug By Other Operator**

Document Number:  
401158528

Date Received:  
12/01/2016

**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: 10311 Contact Name: Monica Patel

Name of Operator: SYNERGY RESOURCES CORPORATION Phone: (610) 7504586

Address: 20203 HIGHWAY 60 Fax: \_\_\_\_\_

City: PLATTEVILLE State: CO Zip: 80651 Email: mpatel@syrginfo.com

**For "Intent" 24 hour notice required,** Name: Gomez, Jason Tel: (970) 573-1277

**COGCC contact:** Email: jason.gomez@state.co.us

API Number 05-123-05182-00 Well Number: 1

Well Name: MILLIKEN

Location: QtrQtr: NESW Section: 15 Township: 5N Range: 66W Meridian: 6

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

Field Name: WILDCAT Field Number: 99999

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 40.397984 Longitude: -104.768081

GPS Data:  
Date of Measurement: \_\_\_\_\_ PDOP Reading: \_\_\_\_\_ GPS Instrument Operator's Name: \_\_\_\_\_

Reason for Abandonment:  Dry     Production Sub-economic     Mechanical Problems

Other Offset Mitigation for future pads

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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
|           |           |           |                |                     |            |

Total: 0 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+1/2       | 10+3/4         | 51              | 294           | 250          | 294        | 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 150 sks cmt from 6980 ft. to 6730 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 60 sks cmt from 5730 ft. to 5630 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 60 sks cmt from 4630 ft. to 4530 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 65 sks cmt from 3530 ft. to 3430 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 350 sks cmt from 500 ft. to 0 ft. Plug Type: STUB PLUG 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 \_\_\_\_\_ 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. 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:

Synergy realizes that we may not get to the depth desired for our cement plugs due to potentially collapsed/shifted formation. We will mill out the cement already in the well and then do a 'wash run' down to the depth the well will allow. If that depth is <6900', we will re-adjust plugs and contact the COGCC.

Was unable to find the size of the surface hole, or the weight of the surface casing. The numbers in there are guesses, because the form would not let me submit without numbers in there. Because I didn't know the casing grade, I went heavy on my cement for the plug to surface (meaning I guessed the weight to be less so that the diameter would be bigger).

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

Signed: \_\_\_\_\_ Print Name: Monica Patel

Title: Completions Engineer Date: 12/1/2016 Email: mpatel@syrginfo.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: JENKINS, STEVE Date: 12/7/2016

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

Expiration Date: 6/6/2017

| <u>COA Type</u> | <u>Description</u>  |
|-----------------|---|
|                 | 1) Provide 48 hour notice of plugging MIRU via electronic Form 42.<br>2) For the 500' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be at 244' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug.<br>3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.<br>4) Prior to starting plugging operations a Bradenhead test shall be performed. If the beginning pressure is greater than 25 psi, or if pressure remains at the conclusion of the test, or if any liquids were present contact COGCC Engineering for sampling requirements. The Form 17 shall be submitted within 10 days of the test. |
|                 | Need as-drilled lat/long on form 6 subsequent.  |

### Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u>                 |
|--------------------|-----------------------------|
| 401158528          | FORM 6 INTENT SUBMITTED     |
| 401158554          | WELLBORE DIAGRAM            |
| 401158555          | PROPOSED PLUGGING PROCEDURE |

Total Attach: 3 Files

### General Comments

| <u>User Group</u> | <u>Comment</u>                           | <u>Comment Date</u> |
|-------------------|--|---------------------|
| Public Room       | Well file not found - pass task 12/05/16 | 12/05/2016          |

Total: 1 comment(s)