

Document Number:  
401032578

Date Received:  
04/28/2016

**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@syrinfo.com

**For "Intent" 24 hour notice required,** Name: Helgeland, Gary Tel: (970) 216-5749

**COGCC contact:** Email: gary.helgeland@state.co.us

API Number 05-001-07569-00

Well Name: EDSTROM Well Number: 3

Location: QtrQtr: SESW Section: 8 Township: 1S Range: 67W Meridian: 6

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

Field Name: SPINDLE Field Number: 77900

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 39.973733 Longitude: -104.915008

GPS Data:  
Date of Measurement: 08/09/2010 PDOP Reading: 4.8 GPS Instrument Operator's Name: Steve Robison

Reason for Abandonment:  Dry     Production Sub-economic     Mechanical Problems

Other Abandonment started by Bayswater, numerous holes in casing

Casing to be pulled:  Yes     No    Estimated Depth: 3000

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

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

Details: Well had an intent to abandon filed before being sold to Synergy Resources. Intent form 6 had listed leaks from 623'-2866'. CIBP was set 50' above top perf in anticipation of P&A.

**Current and Previously Abandoned Zones**

| Formation | Perf. Top | Perf. Btm | Abandoned Date | Method of Isolation | Plug Depth |
|-----------|-----------|-----------|----------------|---------------------|------------|
| SUSSEX    | 5077      | 5100      | 06/03/2014     | B PLUG CEMENT TOP   | 5020       |

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              | 226           | 250          | 226        | 0          | VISU   |
| 1ST         | 7+7/8        | 4+1/2          | 11.6            | 5,203         | 200          | 5,203      | 4,400      | CALC   |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5020 with 5 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 35 sks cmt from 3050 ft. to 2950 ft. Plug Type: STUB PLUG Plug Tagged:   
Set 80 sks cmt from 1170 ft. to 970 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 40 sks cmt from 800 ft. to 700 ft. Plug Type: OPEN HOLE 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 225 sacks half in. half out surface casing from 500 ft. to 0 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:

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: Completons Engineer Date: 4/28/2016 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: BURN, DIANA Date: 7/10/2016

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

Expiration Date: 1/9/2017

| <u>COA Type</u> | <u>Description</u>   |
|-----------------|--|
|                 | NOTE: Changes in plugging procedure - additional plugs<br>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.<br>2) Plug at 1170' should be pumped, WOC and tagged (shallower than 990'). Additional 40 sx plug at 800'. If surface casing plug not circulated to surface, then tag plug – must be 175' or shallower and provide 10 sx plug at the surface. Leave at least 100' cement in the casing for each plug.<br>3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. |
|                 | Operator must provide accurate well location GPS coordinates on Subsequent Report of Abandonment in accordance with COGCC As-Built Location Policy and Rule 215.   |

### Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u>                 |
|--------------------|-----------------------------|
| 401032578          | FORM 6 INTENT SUBMITTED     |
| 401032622          | PROPOSED PLUGGING PROCEDURE |
| 401037121          | WELLBORE DIAGRAM            |

Total Attach: 3 Files

### General Comments

| <u>User Group</u> | <u>Comment</u>  | <u>Comment Date</u>      |
|-------------------|---|--------------------------|
| Engineer          | Lower Arapahoe 4818 5068 106.9 352 102 29.07 NNT<br>Laramie-Fox Hills 4127 4385 204.1 1043 785 48.98 NT<br><br>Deepest 1117'  | 7/10/2016<br>1:59:44 PM  |
| Permit            | Passed.   | 5/18/2016<br>3:58:39 PM  |
| Permit            | - As-Built GPS coordiantes provided are off by ~112', verified using COGCC GIS and Google Earth. Adding GPS coordinate COA.<br>- Revised Field Name to Wattenberg.<br>- Zones Tab Top Production Interval discrepancy, Missing Date Abandoned, Method of Isolation, and Plug depth. | 4/27/2016<br>10:30:37 AM |
| Public Room       | Document verification complete 04/21/16   | 4/21/2016<br>12:07:34 PM |

Total: 4 comment(s)