


FORM  
6  
Rev  
12/05

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DEETOEES

Replug By Other Operator

Document Number:  
400813370

Date Received:  
03/23/2015

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.

WELL ABANDONMENT REPORT

OGCC Operator Number: 10311

Contact Name: Brianne Visconti

Name of Operator: SYNERGY RESOURCES CORPORATION

Phone: (970) 737-1073

Address: 20203 HIGHWAY 60

Fax: (970) 737-1045

City: PLATTEVILLE State: CO Zip: 80651

Email: bvisconti@syrinfo.com

For "Intent" 24 hour notice required,

Name: Schure, Kym

Tel: (970) 520-3832

COGCC contact:

Email: kym.schure@state.co.us

API Number 05-087-07250-00

Well Name: A WIRTH

Well Number: 1-12

Location: QtrQtr: NENE Section: 12 Township: 6N Range: 59W Meridian: 6

County: MORGAN

Federal, Indian or State Lease Number:

Field Name: JUDSON HILLS

Field Number: 42720

☒ Notice of Intent to Abandon

☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.507267 Longitude: -103.920016

GPS Data:

Date of Measurement:

PDOP Reading:

GPS Instrument Operator's Name:

Reason for Abandonment:

☐ Dry

☐ Production for Sub-economic

☐ Mechanical Problems

☒ Other Horizontal Offset Mitigation

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:

Synergy Resources Corporation is drilling a horizontal well that offsets the Wirth 1-12. We propose this re-entry plan as mitigation, per the Horizontal Offset Policy. Wellbore diagrams attached, as well as the proposed procedure.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
D & J SAND	6442	6450	08/14/1975	CEMENT	6440

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	180	125	180	0	CALC
1ST	7+7/8	5+1/2	14 & 15	6,582	250	6,582	5,810	CALC

Date Run: 3/31/2015 Doc [#400813370] Well Name: A WIRTH 1-12

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## 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 40 sks cmt from 4800 ft. to 4700 ft. Plug Type: OPEN HOLE Plug Tagged: ☐  
Set 40 sks cmt from 1900 ft. to 1800 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: ☐  
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 245 sacks half in. half out surface casing from 430 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:

Synergy Resources Corporation has submitted a permit for the Conrad 44-1GHZ, which will be a horizontal well. The Wirth 1-12 is offset to the Conrad 44-1GHZ, and was plugged in 1975. This well will need to be mitigated according to the Horizontal Offset Policy prior to the completion of the Conrad 44-1GHZ. Synergy is working with the Surface owner to locate this P&A well; the surface owner is also the mineral owner in the proposed horizontal well.

COGCC deleted proposed plugging procedure from these comments since there are changes.

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

Signed: \_\_\_\_\_ Print Name: Brianne Visconti  
Title: Operations Administrator Date: 3/23/2015 Email: bvisconti@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: SUTPHIN, DIRK Date: 3/31/2015

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 9/29/2015

<b>COA Type</b>	<b>Description</b>
	Note changes to submitted form. 1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Submit Form 42(s) - OFFSET MITIGATION COMPLETED. 3) Submit Form 6 – Subsequent Report of Abandonment within 30 days of plugging in accordance with Rule 311.
	Operator must provide well location GPS coordinates on Subsequent Report of Abandonment in accordance with COGCC As-Built Location Policy and Rule 215.

### **Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
400813370	FORM 6 INTENT SUBMITTED
400813405	WELLBORE DIAGRAM
400813406	WELLBORE DIAGRAM
400813408	PROPOSED PLUGGING PROCEDURE

Total Attach: 4 Files

### **General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	Added 40 sx plug at 4800' to isolate above Nbr. Casing was pulled at 4850' according to records on file. Increased depth of proposed plug at 1500' to 1900' for aquifer protection (U. Pierre Aq.).	3/31/2015 9:16:54 AM

Total: 1 comment(s)