

FORM
6Rev
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



DE ET OE ES

Replug By Other Operator

Document Number:

400813427

Date Received:

03/23/2015

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: 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 05-087-06719-00

Well Name: WIRTH

Well Number: 1

Location: QtrQtr: NENE Section: 1 Township: 6N Range: 59W Meridian: 6

County: MORGAN

Federal, Indian or State Lease Number:

Field Name: LOAM

Field Number: 50700

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.522787

Longitude: -103.919166

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 PolicyCasing to be pulled: ☐ Yes ☒ No Estimated Depth:Fish in Hole: ☐ Yes ☐ No If yes, explain details belowWellbore 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. 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	6502	6522	02/05/1981	CEMENT	

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	unknown	218		218	0	
1ST	6+1/8	4+1/2	10.5	6,600	100	6,600		

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 4500 ft. to 4400 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 is offset to the Conrad 44-1GHZ, and was plugged in 2/5/1981. 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@syrginfi.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

COA Type	Description
	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

Att Doc Num	Name
400813427	FORM 6 INTENT SUBMITTED
400813440	WELLBORE DIAGRAM
400813442	WELLBORE DIAGRAM
400813443	PROPOSED PLUGGING PROCEDURE

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Engineer	Surface casing info is required to submit the form but the wellfile does not have this information. Entered 8.625" casing to 218' from original permit and abandonment documents. Size of hole required (guess 12.25"), wt/ft and sacks cement are unknown.	3/31/2015 11:53:51 AM
Engineer	Added 40 sx plug at 4500' to isolate above Nbr. Casing was pulled at 4590' according to records on file. Increased depth of proposed plug at 1500' to 1900' for aquifer protection (U. Pierre Aq.).	3/31/2015 11:26:21 AM

Total: 2 comment(s)