

FORM
6Rev
12/05State of Colorado
Oil and Gas Conservation Commission

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



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Document Number:

401173514

Date Received:

12/24/2016

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: Pesicka, Conor

Tel: (970) 415-0789

COGCC contact:

Email: conor.pesicka@state.co.us

API Number 05-123-12976-00

Well Name: HERGENREDER

Well Number: 32-9

Location: QtrQtr: NESE Section: 32 Township: 5N Range: 63W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 67188

Field Name: WATTENBERG

Field Number: 90750

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.354120

Longitude: -104.452820

GPS Data:

Date of Measurement: 03/09/2006

PDOP Reading: 6.0

GPS Instrument Operator's Name: LAUREN BARRINGER

Reason for Abandonment: ☐ Dry☐ Production Sub-economic☐ Mechanical Problems☒ Other Prep for oncoming fracCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 400

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
NIOBRARA-CODELL	6493	6507			

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	296	300	296	0	VISU
1ST	7+7/8	4+1/2	11.6	6,654	225	6,654	5,564	CBL

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	5	sks cmt from	6418	ft. to	6368	ft.	Plug Type:	CASING	Plug Tagged:	<input type="checkbox"/>
Set	12	sks cmt from	1400	ft. to	1300	ft.	Plug Type:	CASING	Plug Tagged:	<input type="checkbox"/>
Set	212	sks cmt from	530	ft. to	0	ft.	Plug Type:	STUB PLUG	Plug Tagged:	<input checked="" type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type:		Plug Tagged:	<input type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type:		Plug Tagged:	<input type="checkbox"/>

Perforate and squeeze at 6493 ft. with 10 sacks. Leave at least 100 ft. in casing 6418 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:

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: 12/24/2016 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: 12/30/2016

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 6/29/2017

COA Type	Description
	<p>NOTE CHANGES TO PLUGGING PROCEDURE:</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Moved the Stub Plug from 450', to 530', to cover an existing water well at 480', within a mile of this well, and increased the sacks of cement from 180, to 212.</p> <p>3) For the 530' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be at 246' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug.</p> <p>4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p> <p>5) 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.</p>

Attachment Check List

Att Doc Num	Name
401173514	FORM 6 INTENT SUBMITTED
401173515	WELLBORE DIAGRAM
401173516	PROPOSED PLUGGING PROCEDURE

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Existing water well at 480' within a mile, asked to move bottom of stub plug to 330', to cover existing well. Monica responded with agreement to move the stub plug to 530'.	12/29/2016
Public Room	Document verification complete 12/28/16	12/28/2016

Total: 2 comment(s)