

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



DE ET OE ES

Document Number:

2361534

Date Received:

03/24/2014

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: 10340

Contact Name: KEVIN THULIN

Name of Operator: SUNDANCE ENERGY INC

Phone: (303) 543-5700

Address: 633 17TH STREET #1950

Fax: (303) 543-5701

City: DENVER State: CO Zip: 80202

Email: KTHULIN@SUNDANCEENERGY.NET

For "Intent" 24 hour notice required,

Name: JOHNSON, RANDELL

Tel: (303) 815-9641

COGCC contact:

Email: randell.johnson@state.co.us

API Number 05-123-09175-00

Well Name: MILLER

Well Number: 42-17

Location: QtrQtr: SENE Section: 17 Township: 2N Range: 67W Meridian: 6

County: WELD

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: 40.140226

Longitude: -104.907311

GPS Data:

Date of Measurement: 05/27/2009

PDOP Reading: 2.4

GPS Instrument Operator's Name: Joseph Dugan

Reason for Abandonment: ☐ Dry ☒ Production for Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 4260

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks:

☒ Yes☐ No

If yes, explain details below

Details: LAST OPERATOR NOTES THAT THIS WELL COULD POSSIBLY HAVE A LEAK

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
SHANNON	4921	4950			
SUSSEX	4476	4542			

Total: 2 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	20	421	300	421	0	VISU
1ST	7+7/8	4+1/2	10.5	5,048	200	5,048	4,260	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4400 with 2 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 4310 ft. to 4210 ft. Plug Type: STUB PLUG 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: ☐
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 50 sacks half in. half out surface casing from 525 ft. to 371 ft. Plug Tagged: ☒

Set 10 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: KEVIN THULIN

Title: PRODUCTION ENGINEER Date: 9/10/2013 Email: KTHULIN@SUNDANCEENERGY.NET

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: SCHLAGENHAUF, MARK Date: 4/3/2014

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 10/2/2014

<u>COA Type</u>	<u>Description</u>
	<p>Note change in plugging procedure:</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) No CBL on file. Run CBL to verify the top of primary cement is at least 200' over Sussex. If Sussex coverage does not exist as required (TOC 4265' or shallower), provide this coverage as part of this plugging project.</p> <p>3) If unable to pull casing, contact COGCC for plugging modifications.</p> <p>4) Lower 471' shoe plug to 525'. Increase cement volumes accordingly.</p> <p>5) For 525' plug: pump plug and displace. If surface casing plug not circulated to surface WOC 4 hours then tag plug – must be 371' or shallower and provide 10 sx plug at the surface. Leave at least 100' cement in the casing for each plug.</p> <p>6) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p> <p>7) Provide an "As Plugged" wellbore diagram identifying the specific plugging completed.</p>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
1696138	WELLBORE DIAGRAM
1696139	WELLBORE DIAGRAM
2361534	FORM 6 INTENT SUBMITTED

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Received and attached Wellbore Diagrams.	3/26/2014 8:39:07 AM
Permit	ON HOLD: Requesting Wellbore Diagram	3/25/2014 9:42:42 AM
Permit	Well Completion Report dated 10/10/1990.	3/25/2014 9:42:29 AM

Total: 3 comment(s)