

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



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Document Number:

401273555

Date Received:

05/03/2017

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: 10646

Contact Name: John Zarra

Name of Operator: BISON EXPLORATION LLC

Phone: (720) 481-2395

Address: PO BOX 1168

Fax:

City: DENVER State: CO Zip: 80202

Email: JZarra@ExtractionOG.com

For "Intent" 24 hour notice required,

Name: Sherman, Susan

Tel: (719) 775-1111

COGCC contact:

Email: susan.sherman@state.co.us

API Number 05-005-06870-00

Well Name: COLUMBINE-STATE

Well Number: 2

Location: QtrQtr: SENE Section: 16 Township: 4S Range: 64W Meridian: 6

County: ARAPAHOE

Federal, Indian or State Lease Number: 80-5587-S

Field Name: CHALICE

Field Number: 10775

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.706030

Longitude: -104.548090

GPS Data:

Date of Measurement: 10/27/2010

PDOP Reading: 2.4

GPS Instrument Operator's Name: KEITH WESTFALL

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

Estimated Depth: 1875

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
J SAND	8103	8125			

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+1/2	8+5/8	24	1,825	1,100	1,825	0	VISU
1ST	7+7/8	4+1/2	11.6	8,183	420	8,183	6,822	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	12	sks cmt from	8100	ft. to	8000	ft.	Plug Type:	CASING	Plug Tagged:	<input checked="" type="checkbox"/>
Set	71	sks cmt from	6700	ft. to	6450	ft.	Plug Type:	CASING	Plug Tagged:	<input type="checkbox"/>
Set	93	sks cmt from	1925	ft. to	1675	ft.	Plug Type:	STUB PLUG	Plug Tagged:	<input checked="" type="checkbox"/>
Set	40	sks cmt from	1300	ft. to	1200	ft.	Plug Type:	CASING	Plug Tagged:	<input type="checkbox"/>
Set	40	sks cmt from	1000	ft. to	900	ft.	Plug Type:	CASING	Plug Tagged:	<input type="checkbox"/>

Perforate and squeeze at 730 ft. with 60 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 93 sacks half in. half out surface casing from 1925 ft. to 1675 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. _____ inch casing Plugging Date: _____
of _____

*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:

CBL to be run to verify absence of cement behind pipe above 6750' - if accurate, cut/pull casing and proceed as planned. If undocumented cement exists, work with state to modify procedure.

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

Signed: _____ Print Name: John Zarra

Title: Production Engineer Date: 5/3/2017 Email: JZarra@ExtractionOG.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: 7/6/2017

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 1/5/2018

COA Type	Description
	<p>NOTE: Changes in plugging procedure - additional plugs and plug listed as perforated at 730' is actually 60 sx pumped as a balanced plug inside casing. Casing pulled at 1875'.</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) For 1925' plug: pump plug and displace - tag plug – must be 1725' or shallower.</p> <p>3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.</p>
	<p>Prior to initiation of plugging operations, a Bradenhead test shall be performed. If there is 25# or greater present at the beginning of the test call COGCC Engineer for possible sampling requirements. Form 17 shall be submitted within 10 days.</p>

Attachment Check List

Att Doc Num	Name
401273555	FORM 6 INTENT SUBMITTED
401273586	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
Engineer	<p>Denver 4938 5392 198.1 677 223 53.89 NNT</p> <p>Upper Arapahoe 4658 4875 96.5 957 740 26.25 NT</p> <p>Deepest WW 1346</p> <p>Lower Arapahoe 4349 4583 81.1 1266 1032 22.06 NT</p> <p>Laramie-Fox Hills 3843 4051 155.2 1772 1564 37.25 NT</p>	06/12/2017
Public Room	Document verification complete 05/11/17	05/11/2017
Permit	<p>Verified GPS location on COGIS and Sundry Notice reporting as-built location (Doc# 1704375, 12/17/2010).</p> <p>Verified Form 5 Completion Report (Doc# 407859, 8/7/1984).</p> <p>Verified production reporting is current.</p> <p>Attached Wellbore Diagram includes both current and proposed wellbores.</p> <p>Form passes permitting review.</p>	05/04/2017

Total: 3 comment(s)