

FORM
6Rev
02/20State of Colorado
Oil and Gas Conservation Commission

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DE ET OE ES

Document Number:

402510478

Date Received:

10/20/2020

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: 10633

Contact Name: Cole Carveth

Name of Operator: CRESTONE PEAK RESOURCES OPERATING LLC

Phone: (303) 774-3979

Address: 1801 CALIFORNIA STREET #2500

Fax:

City: DENVER State: CO Zip: 80202

Email: cole.carveth@crestonepr.com

For "Intent" 24 hour notice required,

Name: Silver, Randy

Tel: (720) 827-6688

COGCC contact:

Email: randy.silver@state.co.us

Type of Well Abandonment Report: ☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

API Number 05-014-18577-00

Well Name: KATS 'B' UNIT

Well Number: 2

Location: QtrQtr: SWNE Section: 34 Township: 1N Range: 68W Meridian: 6

County: BROOMFIELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.010366 Longitude: -104.986103

GPS Data: GPS Quality Value: 2.5 Type of GPS Quality Value: PDOP Date of Measurement: 03/22/2010

GPS Instrument Operator's Name: bstoeppel

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other High Bradenhead PressureCasing to be pulled: ☒ Yes ☐ No Estimated Depth: 2800Fish in Hole: ☒ Yes ☐ No If yes, explain details belowWellbore has Uncemented Casing leaks: ☐ Yes ☒ No If yes, explain details below

Details: Fish in hole is a Baker Model D permanent packer @ 8528' set on 7/21/1998. Fill was tagged on fish @ 8488' in March, 2003. Suspect no production from Dakota due to fish and fill.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	8011	8023			
J SAND	8447	8463			
NIOBRARA	7566	7920			
DAKOTA	8600	8660		SAND PLUG	8488

Total: 4 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	1,053	260	1,053	0	VISU
1ST	6+1/4	4+1/2	11.6	8,573	600	8,573	3,322	CBL
OPEN HOLE	3+7/8			8,660				

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8528 with 2 sacks cmt on top. CIBP #2: Depth 8390 with 2 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 15 sks cmt from 7500 ft. to 7303 ft. Plug Type: CASING Plug Tagged: ☐

Set 20 sks cmt from 4825 ft. to 4561 ft. Plug Type: CASING Plug Tagged: ☐

Set 100 sks cmt from 2800 ft. to 2500 ft. Plug Type: STUB PLUG Plug Tagged: ☒

Set 235 sks cmt from 750 ft. to 0 ft. Plug Type: CASING Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 7566 ft. with 100 sacks. Leave at least 100 ft. in casing 7500 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 130 sacks half in. half out surface casing from 1105 ft. to 750 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 Cut and Cap Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

3 7/8" open hole from 8573 - 8660.
Dakota completed with open hole completion from 8600 - 8660.
Sand Plug was selected on the Zones tab to describe the fill on the Dakota formation. A full fish description is included on the Well Infor tab. .

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

Signed: _____ Print Name: Jane Washburn

Title: Sr Prod Engineering Tech Date: 10/20/2020 Email: jane.washburn@crestonepr.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: Wolfe, Stephen Date: 10/28/2020

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 4/27/2021

COA Type	Description
	<p>Venting</p> <p>Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p>
	<p>Bradenhead Testing</p> <p>Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations.</p> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.</p> <p>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p>
	<p>Plugging</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment complete. Within 90 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line the operator must submit a Flowline Report, Form 44.</p> <p>3) Plugs and squeezes will be placed as stated in the Plugging Procedure section of the approved NOIA unless revised by COA or prior approval from COGCC is obtained.</p> <p>4) The wellbore must be static prior to placing cement plugs which are to be a minimum of 100' in length for all but surface plugs. Mechanical isolation requires a 25' cement plug, minimum. For plugs not specified to be tagged, a tag is required if circulation is not maintained while pumping plug and displacing to depth.</p> <p>5) Place a 50' plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. Surface plugs shall be circulated to surface. Confirm cement to surface in all strings during cut and cap.</p> <p>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>7) Contact COGCC Area Inspector prior to commencing plugging operations.</p> <p>8) After placing the shallowest hydrocarbon isolating plug (7566'), operator must wait a sufficient time on all subsequent plugs to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC Area Engineer before continuing operations.</p> <p>9) No current Form 17 on file with COGCC. Contact COGCC area engineer with results of pre-plugging bradenhead test for confirmation of plugging procedure prior to commencing plugging operations.</p> <p>10) Wait 8 hours after pumping plug at 2800-2500' and tag, in order to assure that there is no pressure or flow before proceeding with plugging operations. Contact COGCC Area Engineer if well is not static after waiting the 8 hours.</p> <p>11) CIBP at 8528' can be omitted if fill is found to be sufficient to support the 2 sx of cement that must still be placed.</p>

Attachment Check List

Att Doc Num	Name
402510478	FORM 6 INTENT SUBMITTED
402514547	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	DWR ADT - Denver Basin Lower Arapahoe 5064 5207 59.0 110 -33 16.05 NNT 110 + 50 = 160' Laramie-Fox Hills 4355 4622 192.2 819 552 46.13 NNT 819 + 50 = 869' WW + Elev + 50 = 1002 + 5174 - 5166 + 50 = 1060' Logs 1/30/1995 UPA base 1930'	10/28/2020
Permit	•Verified DKTA open hole interval via Doc. 1074729 •Verified JSND perfed interval via Doc. 42303 •Verified NB-CD perfed interval via Doc. 42290 •Verified production reporting	10/20/2020
Permit	•RETURNED TO DRAFT: Zones tab indicates DKTA Fm is producing. WBD is missing DKTA and method of isolation.	10/19/2020
Permit	•RETURNED TO DRAFT: Zones tab is missing DKTA Fm, and has incorrect JSND perms. WBD is missing DKTA.	10/19/2020
Permit	•Verified SHL lat./long.	10/19/2020
Permit	•RETURNED TO DRAFT: Missing required information on Well Info tab.	10/19/2020

Total: 6 comment(s)