

FORM  
6Rev  
05/18

## 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

Document Number:

402109299

Date Received:

07/17/2019

## 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: 46290

Contact Name: Susana Lara-Mesa

Name of Operator: KP KAUFFMAN COMPANY INC

Phone: (303) 825-4822

Address: 1675 BROADWAY, STE 2800

Fax:

City: DENVER State: CO Zip: 80202

Email: slaramesa@kpk.com

For "Intent" 24 hour notice required,

Name: Schure, Kym

Tel: (970) 520-3832

COGCC contact:

Email: kym.schure@state.co.us

API Number 05-075-08091-00

Well Name: HERRMANN

Well Number: 1

Location: QtrQtr: NWNW Section: 26 Township: 12N Range: 53W Meridian: 6

County: LOGAN

Federal, Indian or State Lease Number: 33400

Field Name: POW WOW

Field Number: 70000

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

## Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.990950

Longitude: -103.265270

GPS Data:

Date of Measurement: 09/03/2010

PDOP Reading: 1.8

GPS Instrument Operator's Name: Duane Russell

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

Estimated Depth:

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	5320	5333			

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	13+3/4	8+5/8	24	87	75	87	0	VISU
1ST	7+7/8	5+1/2	15.5	5,403	125	5,405	4,230	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5270 with 2 sacks cmt on top. CIPB #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIPB #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 \_\_\_\_\_ 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: ☐  
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged: ☐

Perforate and squeeze at 1500 ft. with 80 sacks. Leave at least 100 ft. in casing 1450 CICR Depth

Perforate and squeeze at 600 ft. with 40 sacks. Leave at least 100 ft. in casing 550 CICR Depth

Perforate and squeeze at 137 ft. with 50 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 15 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 1105 ☐ 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: Susana Lara-Mesa

Title: VP Engineering Date: 7/17/2019 Email: slaramesa@kpk.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: 7/17/2019

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

Expiration Date: 1/16/2020

<b>COA Type</b>	<b>Description</b>
	<p>Plugging:</p> <ol style="list-style-type: none"> <li>1) Provide 48 hour notice of MIRU via electronic Form 42.</li> <li>2) Shoe plug: Tag plug 50' above surface casing shoe, if cement does not circulate to surface.</li> <li>3) Surface plug: Cement from 50' to surface in casing and annulus.</li> </ol> <p>Bradenhead:</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. The Form 17 shall be submitted within 10 days of the test.</p> <ol style="list-style-type: none"> <li>1) If before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</li> <li>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</li> </ol> <p>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling.</p> <p>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p> <p>Venting during plugging:</p> <p>Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p> <p>Flowlines:</p> <p>Properly abandon flowlines per Rule 1105. File electronic Form 42 once abandonment is complete. Within 30 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>

### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
402109299	FORM 6 INTENT SUBMITTED
402112319	WELLBORE DIAGRAM
402112325	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	-Operator corrected WBD. -Corrected top perf of zones tab. -Pass	07/17/2019
Engineer	Operator: S.Lara-Mesa called to request expedited processing. Rig on site.  Plugging: Changed depth of CIBP to 5270' (approx 50' above J-Sand perfs). Added plug at 600' due to WW depths in 450-500' range within 1 and 2 miles. Those wells appear to be Ogallala based on Geology layer on COGIS map and Induction Electrolog (IEL). Plug at 1500' would isolate below the Upper Pierre zone visible on the IEL down to about 1030' or 1200'. Increased depth and cement quantity on the surface casing shoe plug (50' below surface casing shoe and 50 sks) and increased cement quantity of surface plug (15 sks). Added cement retainers on 1500' and 600' plugs. Retainers not required if casing pressure tests prior to perforating for those plugs. This Form 6N indicates there are casing leaks but does not say at what depth.	07/16/2019
Well File Verification	Pass	07/16/2019
Permit	-Confirmed as-drilled well location. -Production reporting up-to-date. -No other forms in process. -Top perf according to our records is 5320, see docnum: 283834. -Please revise zones tab and WBD's. -Returned to draft.	07/16/2019

Total: 4 comment(s)