

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

TEMPORARY ABANDONMENT WELL APPLICATION

OPERATOR: License#
Name:
Address 1:
Address 2:
City: State: Zip:
Contact Person:
Phone:
Contact Person Email:
Field Contact Person:
Field Contact Person Phone:

API No. 15-
Spot Description:
Sec. Twp. S. R.
feet from N / S Line of Section
feet from E / W Line of Section
GPS Location: Lat: , Long:
Datum: NAD27 NAD83 WGS84
County: Elevation: GL KB
Lease Name: Well #:
Well Type: Oil Gas OG WSW Other:
SWD Permit #: ENHR Permit #:
Gas Storage Permit #:
Spud Date: Date Shut-In:

Table with 7 columns: Conductor, Surface, Production, Intermediate, Liner, Tubing. Rows include Size, Setting Depth, Amount of Cement, Top of Cement, Bottom of Cement.

Casing Fluid Level from Surface: How Determined? Date:
Casing Squeeze(s): to w / sacks of cement, to w / sacks of cement. Date:
Do you have a valid Oil & Gas Lease? Yes No
Depth and Type: Junk in Hole at Tools in Hole at Casing Leaks: Yes No Depth of casing leak(s):
Type Completion: ALT. I ALT. II Depth of: DV Tool: w / sacks of cement Port Collar: w / sack of cement
Packer Type: Size: Inch Set at: Feet
Total Depth: Plug Back Depth: Plug Back Method:

Geological Data:

Table with 4 columns: Formation Name, Formation Top, Formation Base, Completion Information. Rows 1 and 2.

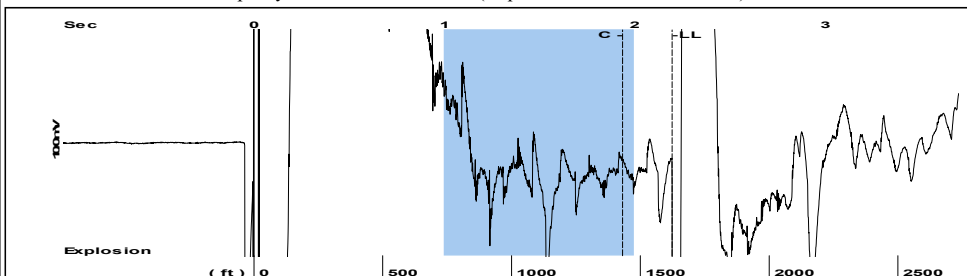
UNDER PENALTY OF PERJURY I HEREBY ATTEST THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE

Submitted Electronically

Do NOT Write in This Space - KCC USE ONLY
Date Tested: Results: Date Plugged: Date Repaired: Date Put Back in Service:
Review Completed by: Comments:
TA Approved: Yes Denied Date:

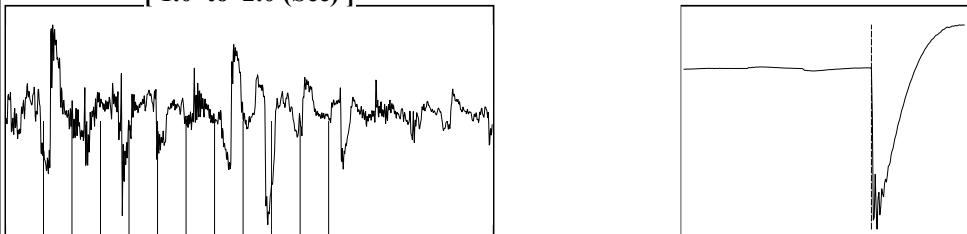
Mail to the Appropriate KCC Conservation Office:

Table with 3 columns: District Office, Address, Phone. Rows for District Office #1, #2, #3, #4.

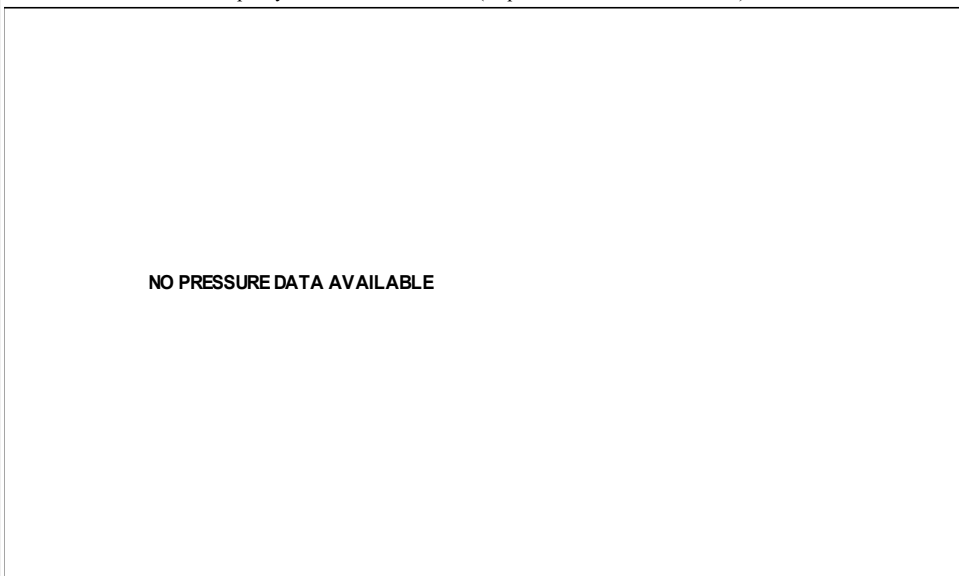


Filter Type High Pass Automatic Collar Count Yes Time 2.196 sec  
 Manual Acoustic Veloc 1433.45 ft/s Manual JTS/sec 17.0648 Joints 38.6432 Jts  
 Depth 1623.01 ft

[ 1.0 to 2.0 (Sec) ]

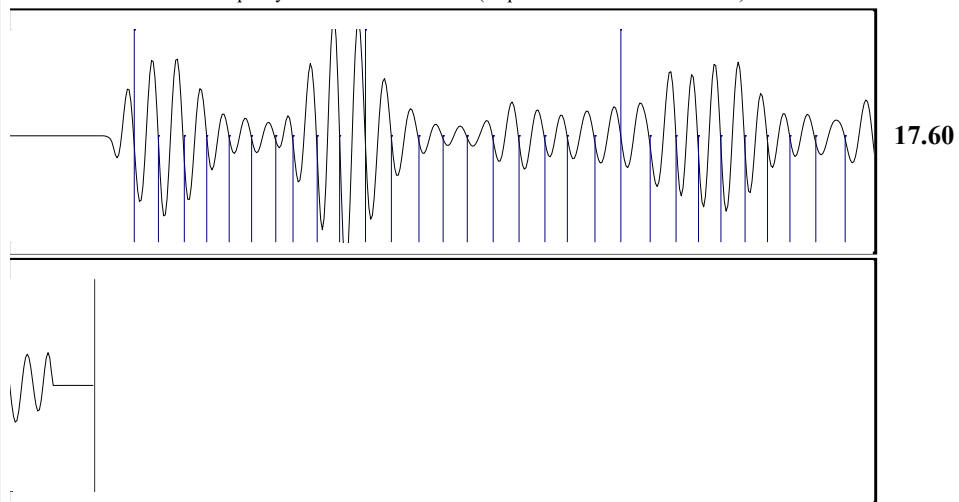


**Analysis Method: Automatic**



Change in Pressure -0.02 psi PT16854  
 Range 0 - ? psi  
 Change in Time 0.25 min

|  |                  |   |                                     |
|--|------------------|---|-------------------------------------|
| <b>Production</b>                            | <b>Potential</b> | <b>Casing Pressure</b>                    | <b>Producing</b>                    |
| Oil - *-                                     | - *- BBL/D       | 1.4 psi (g)                               | Annular Gas Flow - *- Mscf/D        |
| Water - *-                                   | - *- BBL/D       | Casing Pressure Buildup 0.25 min          | % Liquid 100 %                      |
| Gas - *-                                     | - *- Mscf/D      | Gas/Liquid Interface Pressure 1.9 psi (g) |                                     |
| IPR Method Vogel                             |                  | Liquid Level Depth 1623.01 ft             |                                     |
| PBHP/SBHP - *-                               |                  | Tubing Intake Depth - *- ft               |                                     |
| Production Efficiency 0.0                    |                  | Formation Depth 4030.00 ft                |                                     |
| Oil 40 deg.API                               |                  |   | <b>Tubing Intake</b> - *- psi (g)   |
| Water 1.05 Sp.Gr.H2O                         |                  |   | <b>Producing BHP</b> 1096.3 psi (g) |
| Gas 0.55 Sp.Gr.AIR                           |                  |   | <b>Static BHP</b> - *- psi (g)      |
| Acoustic Velocity 1478.16 ft/s               |                  |   |                                     |
| Formation Submergence                        |                  |   |                                     |
| Total Gaseous Liquid Column HT (TVD) 2407 ft |                  |   |                                     |
| Equivalent Gas Free Liquid HT (TVD) 2407 ft  |                  |   |                                     |
| Acoustic Test                                |                  |   |                                     |



Acoustic Velocity 1478.16 ft/s Joints counted 29  
 Joints Per Second 17.5971 jts/sec Joints to liquid level 38.6432  
 Depth to liquid level 1623.01 ft Filter Width 15.0648 19.0648  
 Automatic Collar Count Yes Time to 1st Collar 0.288 1.936

Conservation Division  
District Office No. 4  
2301 E. 13th Street  
Hays, KS 67601-2651



Phone: 785-261-6250  
Fax: 785-625-0564  
<http://kcc.ks.gov/>

Susan K. Duffy, Chair  
Dwight D. Keen, Commissioner  
Andrew J. French, Commissioner

Laura Kelly, Governor

January 07, 2021

Zach Patterson  
Patterson Energy LLC  
PO BOX 400  
HAYS, KS 67601-0400

Re: Temporary Abandonment  
API 15-195-21268-00-00  
COTTON 4  
NE/4 Sec.26-12S-21W  
Trego County, Kansas

Dear Zach Patterson:

"Your temporary abandonment (TA) application for the well listed above has been approved. In accordance with K.A.R. 82-3-111 the TA status of this well will expire 01/07/2022.

- \* If you return this well to service or plug it, please notify the District Office.
- \* If you sell this well you are required to file a Transfer of Operator form, T-1.
- \* If the well will remain temporarily abandoned, you must submit a new TA application, CP-111, before 01/07/2022.

You may contact me at the number above if you have questions.

Very truly yours,

RICHARD WILLIAMS"