

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.
GPS Location: Lat: Long:
Datum: NAD27 NAD83 WGS84
County: Elevation:
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.

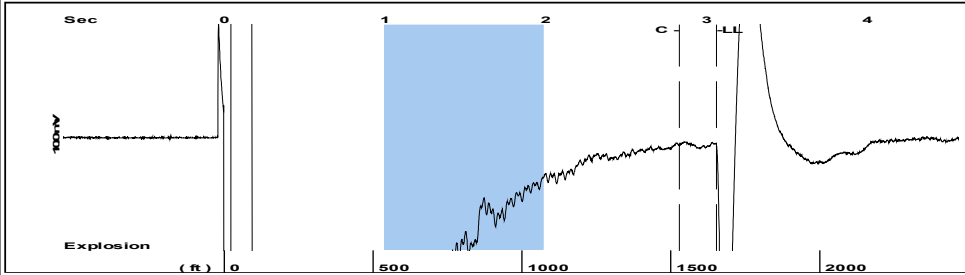
UNDER PENALTY OF PERJURY I HEREBY ATTEST THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE

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:

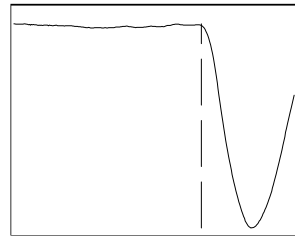
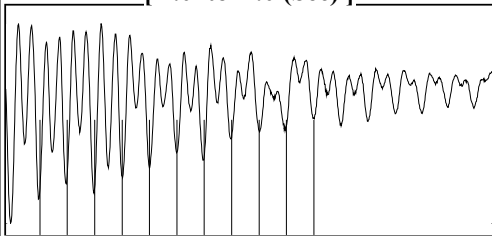
Mail to the Appropriate KCC Conservation Office:

Map of Kansas with 4 numbered districts. Table with 2 columns: Office Address, Phone Number.

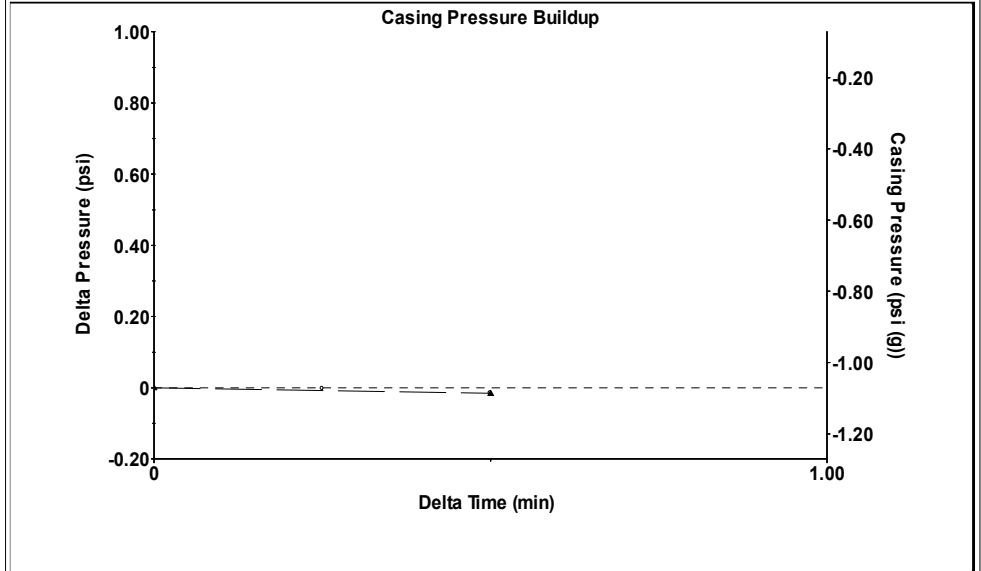


Filter Type High Pass Automatic Collar Count Yes Time 3.063 sec  
 Manual Acoustic Veloc 1068.56 ft/s Manual JTS/sec 17.762 Joints 54.9524 Jts  
 Depth 1652.97 ft

[ 1.0 to 2.0 (Sec) ]

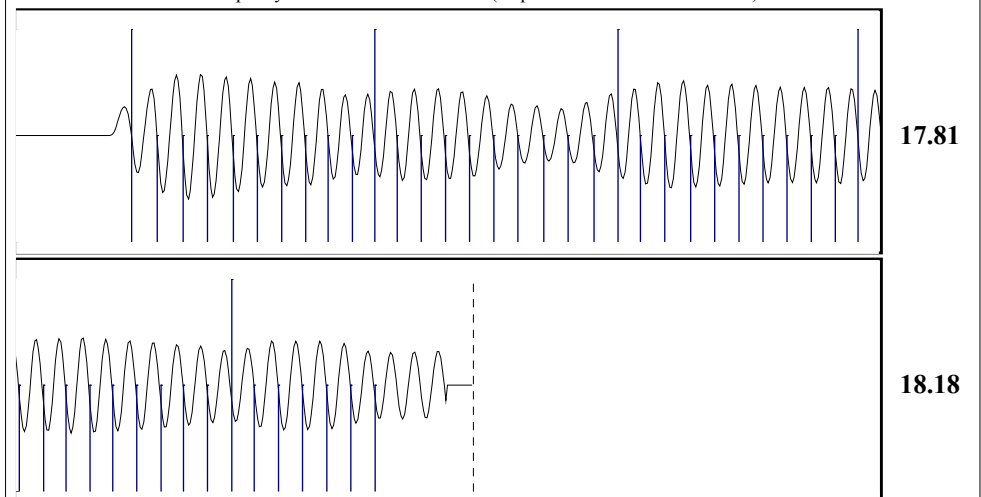
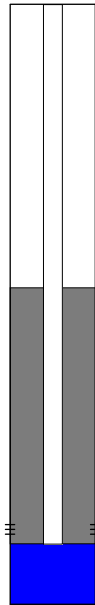


**Analysis Method: Automatic**



Change in Pressure -0.02 psi PT12830  
 Change in Time 0.50 min Range 0 - ? psi

|                       |                |                  |        |                               |              |                     |            |
|-----------------------|----------------|------------------|--------|-------------------------------|--------------|---------------------|------------|
| <b>Production</b>     |                | <b>Potential</b> |        | <b>Casing Pressure</b>        |              | <b>Static</b>       |            |
| Oil                   | -*-            | -*-              | BBL/D  | Casing Pressure               | -1.1 psi (g) | Oil Column Height   | MD 0 ft    |
| Water                 | -*-            | -*-              | BBL/D  | Casing Pressure Buildup       | -0.0 psi     | Water Column Height | MD 1787 ft |
| Gas                   | -*-            | -*-              | Mscf/D | Gas/Liquid Interface Pressure | 0.50 min     |                     |            |
| <b>IPR Method</b>     |                | <b>Vogel</b>     |        | Casing Pressure Buildup       | -0.4 psi (g) |                     |            |
| PBHP/SBHP             | -*-            |                  |        | Liquid Level Depth            | 1652.97 ft   |                     |            |
| Production Efficiency | 0.0            |                  |        | Pump Intake Depth             | 3550.00 ft   |                     |            |
| Oil                   | 40 deg.API     |                  |        | Formation Depth               | 3440.00 ft   |                     |            |
| Water                 | 1.05 Sp.Gr.H2O |                  |        |                               |              |                     |            |
| Gas                   | 0.90 Sp.Gr.AIR |                  |        |                               |              |                     |            |
| Acoustic Velocity     | 1079.31 ft/s   |                  |        |                               |              |                     |            |
| <b>Acoustic Test</b>  |                |                  |        |                               |              |                     |            |



Acoustic Velocity 1079.31 ft/s Joints counted 46  
 Joints Per Second 17.9407 jts/sec Joints to liquid level 54.9524  
 Depth to liquid level 1652.97 ft Filter Width 15.762 19.762  
 Automatic Collar Count Yes Time to 1st Collar 0.268 2.832

# STATE OF KANSAS

CORPORATION COMMISSION  
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/>

GOVERNOR JEFF COLYER, M.D.

SHARI FEIST ALBRECHT, CHAIR | JAY SCOTT EMLER, COMMISSIONER | DWIGHT D. KEEN, COMMISSIONER

August 22, 2018

Jim Farthing  
Empire Energy E&P, LLC  
345 RIVERVIEW ST., STE 540  
WICHITA, KS 67203-4262

Re: Temporary Abandonment  
API 15-051-21847-00-00  
BRAUN A 4  
SW/4 Sec.15-13S-18W  
Ellis County, Kansas

Dear Jim Farthing:

"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 08/22/2019.

- \* 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 08/22/2019.

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

Very truly yours,

RICHARD WILLIAMS "