

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

TEMPORARY ABANDONMENT WELL APPLICATION

All blanks must be complete

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. \_\_\_\_\_  E  W  
 \_\_\_\_\_ feet from  N /  S Line of Section  
 \_\_\_\_\_ feet from  E /  W Line of Section  
 GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)  
 Datum:  NAD27  NAD83  WGS84  
 County: \_\_\_\_\_ Elevation: \_\_\_\_\_  GL  KB  
 Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_  
 Well Type: (check one)  Oil  Gas  OG  WSW  Other: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  ENHR Permit #: \_\_\_\_\_  
 Gas Storage Permit #: \_\_\_\_\_  
 Spud Date: \_\_\_\_\_ Date Shut-In: \_\_\_\_\_

|                  | Conductor | Surface | Production | Intermediate | Liner | Tubing |
|------------------|-----------|---------|------------|--------------|-------|--------|
| 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: \_\_\_\_\_  
(top) (bottom) (top) (bottom)  
 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): \_\_\_\_\_  
(depth) (depth)  
 Type Completion:  ALT. I  ALT. II Depth of:  DV Tool: \_\_\_\_\_ w / \_\_\_\_\_ sacks of cement  Port Collar: \_\_\_\_\_ w / \_\_\_\_\_ sack of cement  
(depth) (depth)  
 Packer Type: \_\_\_\_\_ Size: \_\_\_\_\_ Inch Set at: \_\_\_\_\_ Feet  
 Total Depth: \_\_\_\_\_ Plug Back Depth: \_\_\_\_\_ Plug Back Method: \_\_\_\_\_

**Geological Data:**

| Formation Name | Formation Top | Formation Base | Completion Information   |
|----------------|---------------|----------------|--|
| 1. _____       | At: _____     | to _____ Feet  | Perforation Interval _____ to _____ Feet or Open Hole Interval _____ to _____ Feet |
| 2. _____       | At: _____     | to _____ Feet  | Perforation Interval _____ to _____ Feet or Open Hole Interval _____ to _____ Feet |

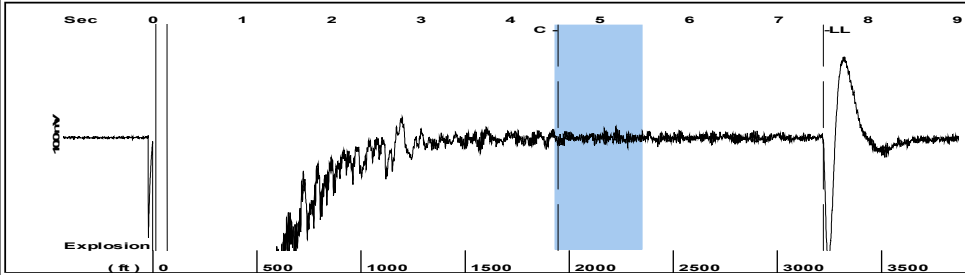
UNDER PENALTY OF PERJURY I HEREBY ATTEST THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE

Submitted Electronically

|   |  |                |                     |                      |                                 |
|---|--|----------------|---------------------|----------------------|---------------------------------|
| <b>Do NOT Write in This Space - KCC USE ONLY</b>                                      | Date Tested: _____                         | Results: _____ | Date Plugged: _____ | Date Repaired: _____ | Date Put Back in Service: _____ |
|   | Review Completed by: _____ Comments: _____ |                |                     |                      |                                 |
| TA Approved: <input type="checkbox"/> Yes <input type="checkbox"/> Denied Date: _____ |  |                |                     |                      |                                 |

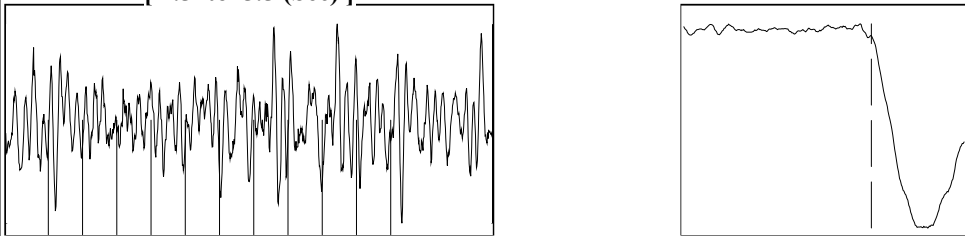
Mail to the Appropriate KCC Conservation Office:

|  |  |                    |
|--|--|--------------------|
|  | KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801               | Phone 620.682.7933 |
|  | KCC District Office #2 - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226 | Phone 316.337.7400 |
|  | KCC District Office #3 - 137 E. 21st St., Chanute, KS 66720                            | Phone 620.902.6450 |
|  | KCC District Office #4 - 2301 E. 13th Street, Hays, KS 67601-2651                      | Phone 785.261.6250 |

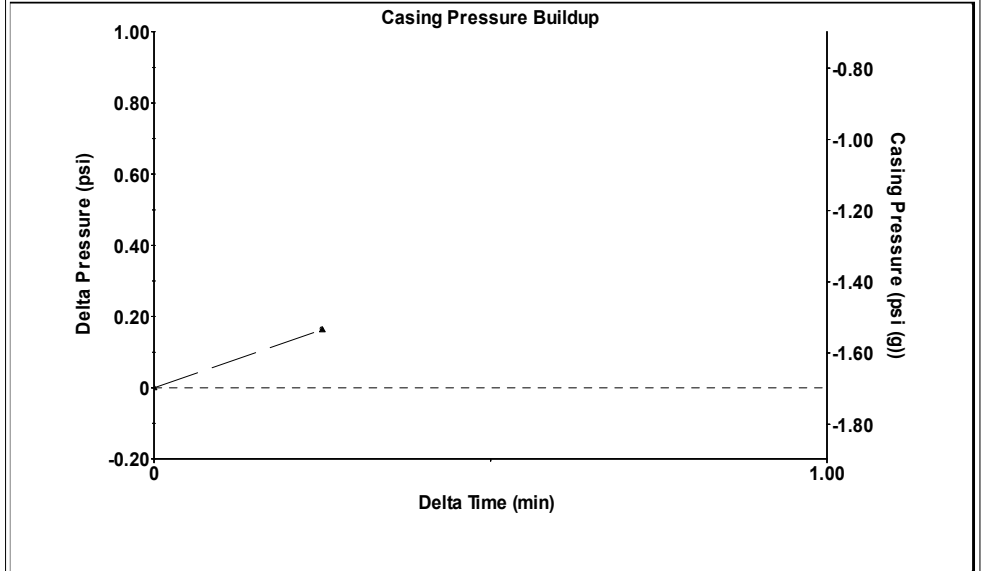


Filter Type High Pass Automatic Collar Count Yes Time 7.503 sec  
 Manual Acoustic Veloc 891.477 ft/s Manual JTS/sec 14.2045 Joints 102.635 Jts  
 Depth 3220.70 ft

[ 4.5 to 5.5 (Sec) ]

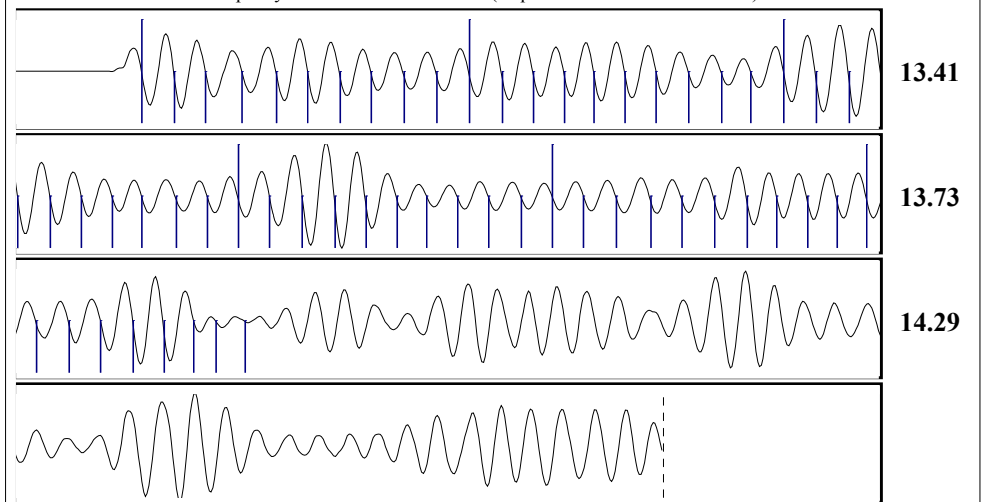


**Analysis Method: Automatic**



Change in Pressure 0.16 psi PT12830  
 Change in Time 0.25 min Range 0 - ? psi

|                              |                |                  |        |                                      |         |                                 |
|------------------------------|----------------|------------------|--------|--------------------------------------|---------|---------------------------------|
| <b>Production</b>            |                | <b>Potential</b> |        | <b>Casing Pressure</b>               |         |                                 |
| Oil                          | -*-            | -*-              | BBL/D  | -1.7                                 | psi (g) |                                 |
| Water                        | -*-            | -*-              | BBL/D  | 0.2                                  | psi     |                                 |
| Gas                          | -*-            | -*-              | Mscf/D | 0.25                                 | min     |                                 |
| <b>IPR Method</b>            |                | <b>Vogel</b>     |        | <b>Gas/Liquid Interface Pressure</b> |         | Oil Column Height<br>MD 0 ft    |
| PBHP/SBHP                    | -*-            | -*-              |        | -0.0                                 | psi (g) |                                 |
| <b>Production Efficiency</b> |                | 0.0              |        | <b>Liquid Level Depth</b>            |         | Water Column Height<br>MD 12 ft |
| Oil                          | 40 deg.API     |                  |        | 3220.70 ft                           |         |                                 |
| Water                        | 1.05 Sp.Gr.H2O |                  |        | <b>Pump Intake Depth</b>             |         | Static BHP<br>5.5 psi (g)       |
| Gas                          | 1.12 Sp.Gr.AIR |                  |        | 3650.00 ft                           |         |                                 |
| <b>Acoustic Velocity</b>     |                | 858.509 ft/s     |        | <b>Formation Depth</b>               |         |                                 |
|                              |                |                  |        | 3233.00 ft                           |         |                                 |



Acoustic Velocity 858.509 ft/s Joints counted 58  
 Joints Per Second 13.6792 jts/sec Joints to liquid level 102.635  
 Depth to liquid level 3220.7 ft Filter Width 12.2045 16.2045  
 Automatic Collar Count Yes Time to 1st Collar 0.292 4.532

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/>

Dwight D. Keen, Chair  
Shari Feist Albrecht, Commissioner  
Jay Scott Emler, Commissioner

Laura Kelly, Governor

February 07, 2019

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

Re: Temporary Abandonment  
API 15-051-20515-00-01  
BRAUN A 1  
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 02/07/2020.

- \* 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 02/07/2020.

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

Very truly yours,

RICHARD WILLIAMS"