



**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

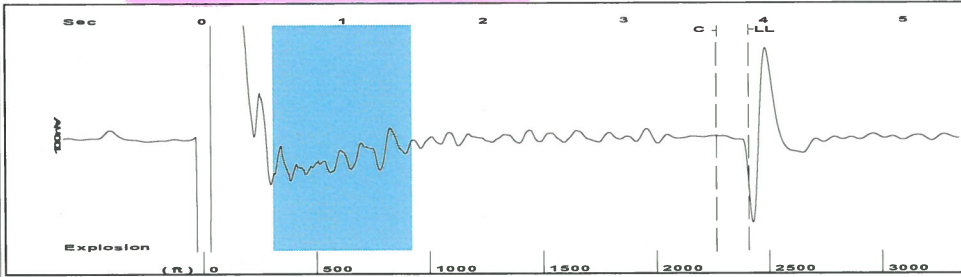
**Submitted Electronically**

|   |  |                |                     |                      |                                 |
|---|--|----------------|---------------------|----------------------|---------------------------------|
| <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:**

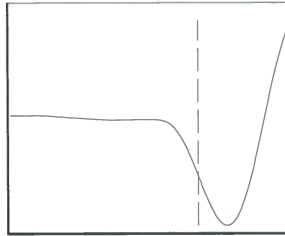
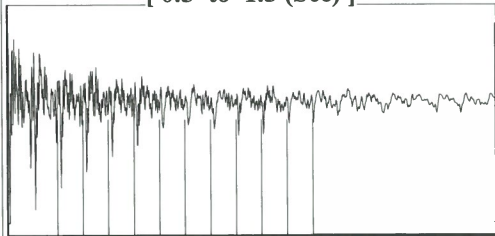
|  |   |                    |
|--|---|--------------------|
|  | KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801                      | Phone 620.225.8888 |
|  | KCC District Office #2 / UPGS - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226 | Phone 316.630.4000 |
|  | KCC District Office #3 - 1500 SW Seventh Steet, Chanute, KS 66720                             | Phone 620.432.2300 |
|  | KCC District Office #4 - 2301 E. 13th Street, Hays, KS 67601-2651                             | Phone 785.625.0550 |

Group: TA'D WELLS Well: CRAYTON A-5 (acquired on: 04/05/16 12:39:32)



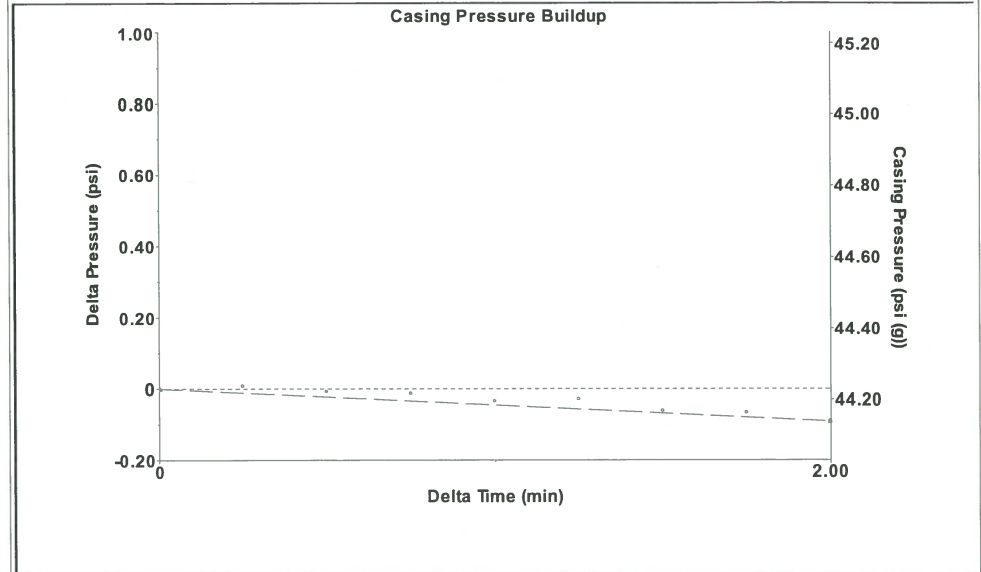
Filter Type High Pass Automatic Collar Count Yes Time 3.895 sec  
 Manual Acoustic Velo 1209.92 ft/s Manual JTS/sec 19.084 Joints 76 Jts  
 Depth 2409.20 ft

[ 0.5 to 1.5 (Sec) ]



Analysis Method: Automatic

Group: TA'D WELLS Well: CRAYTON A-5 (acquired on: 04/05/16 12:39:32)



Change in Pressure -0.09 psi PT9424  
 Change in Time 2.00 min Range 0 - ? psi

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|                       |              |                               |
|-----------------------|--------------|-------------------------------|
| Production Current    | Potential    | Casing Pressure               |
| Oil - * -             | - * - BBL/D  | 44.2 psi (g)                  |
| Water - * -           | - * - BBL/D  | Casing Pressure Buildup       |
| Gas - * -             | - * - Mscf/D | -0.1 psi                      |
|                       |              | 2.00 min                      |
| IPR Method            | Vogel        | Gas/Liquid Interface Pressure |
| PBHP/SBHP             | - * -        | 48.0 psi (g)                  |
| Production Efficiency | 0.0          |                               |
| Oil 40 deg.API        |              | Liquid Level Depth            |
| Water 1.05 Sp.Gr.H2O  |              | 2409.20 ft                    |
| Gas 0.76 Sp.Gr.AIR    |              | Pump Intake Depth             |
|                       |              | 2954.00 ft                    |
| Acoustic Velocity     | 1237.07 ft/s | Formation Depth               |
|                       |              | 2979.00 ft                    |



Producing

Annular Gas Flow 0 Mscf/D

% Liquid 100 %

Pump Intake 232.0 psi (g)

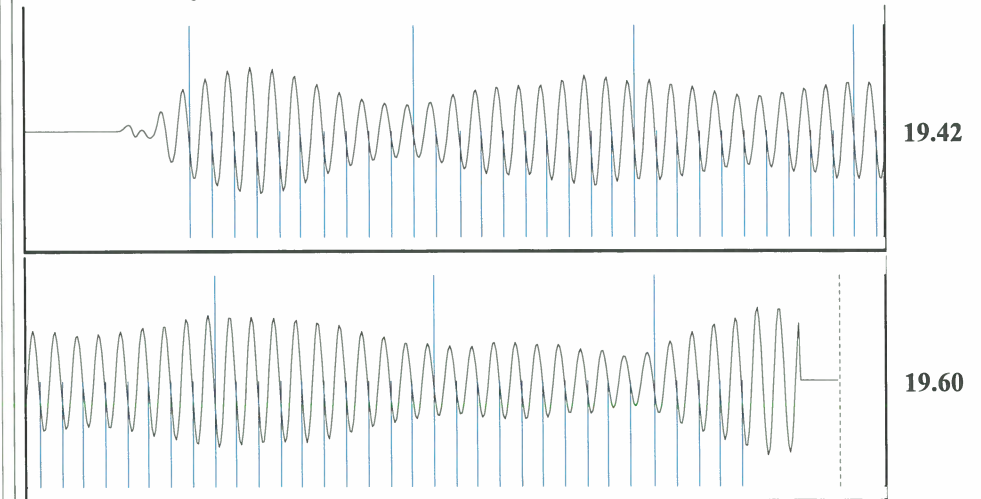
Producing BHP 243.3 psi (g)

Static BHP - \* - psi (g)

Formation Submergence  
 Total Gaseous Liquid Column HT (TVD) 545 ft  
 Equivalent Gas Free Liquid HT (TVD) 545 ft

Acoustic Test

Group: TA'D WELLS Well: CRAYTON A-5 (acquired on: 04/05/16 12:39:32)



|                        |                 |                        |               |
|------------------------|-----------------|------------------------|---------------|
| Acoustic Velocity      | 1237.07 ft/s    | Joints counted         | 64            |
| Joints Per Second      | 19.5122 jts/sec | Joints to liquid level | 76            |
| Depth to liquid level  | 2409.2 ft       | Filter Width           | 17.084 21.084 |
| Automatic Collar Count | Yes             | Time to 1st Collar     | 0.384 3.664   |

Conservation Division  
District Office No. 1  
210 E. Frontview, Suite A  
Dodge City, KS 67801



Phone: 620-225-8888  
Fax: 620-225-8885  
<http://kcc.ks.gov/>

Jay Scott Emler, Chairman  
Shari Feist Albrecht, Commissioner  
Pat Apple, Commissioner

Sam Brownback, Governor

April 12, 2016

Katherine McClurkan  
Merit Energy Company, LLC  
13727 Noel Road, Suite 1200  
Dallas, TX 75240

Re: Temporary Abandonment  
API 15-129-21747-00-01  
Crayton A 5  
SW/4 Sec.18-32S-39W  
Morton County, Kansas

Dear Katherine McClurkan:

"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 04/12/2017.

- \* 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 04/12/2017.

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

Very truly yours,

Michael Maier"