

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. \_\_\_\_\_  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

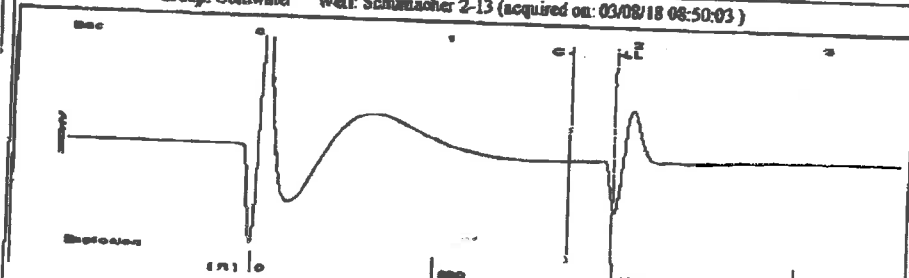
Submitted Electronically

<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:

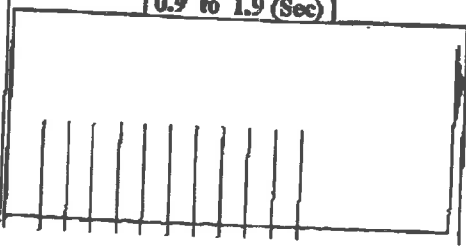
	KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801	Phone 620.682.7933
	KCC District Office #2 - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226	Phone 316.337.7400
	KCC District Office #3 - 137 E. 21st St., Chanute, KS 66720	Phone 620.902.6450
	KCC District Office #4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

Group: Coldwater Well: Schumacher 2-13 (acquired on: 03/08/18 08:50:03)



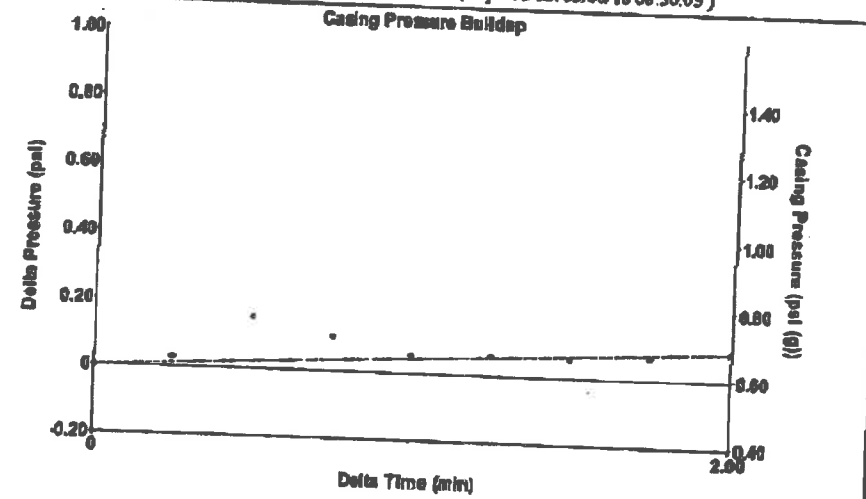
Filter Type High Pass  
 Manual Acoustic Velocity 1099.48 ft/s  
 Automatic Collar Count Yes  
 Manual JTS/sec 17.452  
 Time 1.895 sec  
 Joints 31.5833 Jts  
 Depth 994.87 ft

[0.9 to 1.9 (Sec)]



Analysis Method: Automatic

Group: Coldwater Well: Schumacher 2-13 (acquired on: 03/08/18 08:50:03)



Change in Pressure 0.09 psi PT13440  
 Change in Time 2.00 min Range 0.7 psi

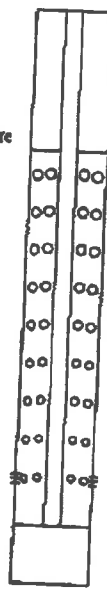
Group: Coldwater Well: Schumacher 2-13 (acquired on: 03/08/18 08:50:03)

Production Current Potential  
 Oil -.- BBL/D  
 Water -.- BBL/D  
 Gas -.- Msc/D  
 BPR Method Vogel  
 PBHP/SBHP -.-  
 Production Efficiency 0.0

Oil 40 deg-API  
 Water 1.05 Sp.Gr.H2O  
 Gas 0.92 Sp.Gr.AIR

Acoustic Velocity 1050 ft/s

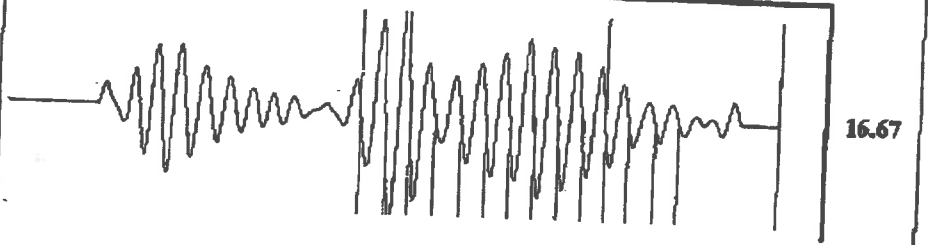
Casing Pressure 0.6 psi (g)  
 Casing Pressure Buildup 0.1 psi  
 2.00 min  
 Gas/Liquid Interface Pressure 1.1 psi (g)  
 Liquid Level Depth 994.87 ft  
 Pump Intake Depth 5425.00 ft  
 Formation Depth 4870.00 ft



Producing  
 Angular Gas Flow 3 Msc/D  
 % Liquid 82 %  
 Pump Intake 1207.8 psi (g)  
 Producing BHP 1040.7 psi (g)  
 Static BHP -.- psi (g)

Formation Submergence  
 Total Gaseous Liquid Column HT (TVD) 4430 ft  
 Equivalent Gas Free Liquid HT (TVD) 3729 ft  
 Acoustic Test

Group: Coldwater Well: Schumacher 2-13 (acquired on: 03/08/18 08:50:03)



Acoustic Velocity 1050 ft/s  
 Joints Per Second 16.6667 jts/sec  
 Depth to liquid level 994.875 ft  
 Automatic Collar Count Yes  
 Joints counted 13  
 Joints to liquid level 31.5833  
 Filter Width 15.452  
 Time to 1st Collar 0.872 19.452 1.652

# STATE OF KANSAS

CORPORATION COMMISSION  
CONSERVATION DIVISION  
DISTRICT OFFICE No. 1  
210 E. FRONTVIEW, SUITE A  
DODGE CITY, KS 67801



PHONE: 620-682-7933  
<http://kcc.ks.gov/>

GOVERNOR JEFF COLYER, M.D.

SHARI FEIST ALBRECHT, CHAIR | JAY SCOTT EMLER, COMMISSIONER | PAT APPLE, COMMISSIONER

March 20, 2018

Margery L. Nagel  
F. G. Holl Company L.L.C.  
9431 E CENTRAL STE 100  
WICHITA, KS 67206-2563

Re: Temporary Abandonment  
API 15-025-21470-00-00  
SCHUMACHER 2-13  
SE/4 Sec.13-34S-21W  
Clark County, Kansas

Dear Margery L. Nagel:

"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 03/20/2019.

- \* 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 03/20/2019.

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

Very truly yours,

Michael Maier"