



**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

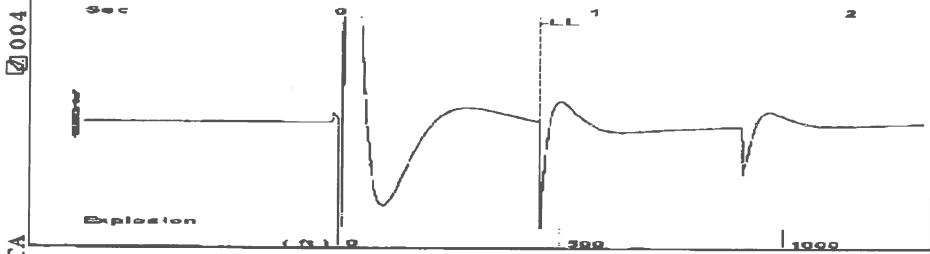
<b>Do NOT Write in This Space - KCC USE ONLY</b>	Date Tested: _____	Results: _____	Date Plugged: _____	Date Repaired: _____	Date Put Back in Service: _____
	Review Completed by: _____ Comments: _____				
TA Approved: <input type="checkbox"/> Yes <input type="checkbox"/> Denied Date: _____					

**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

Received Fax : Apr 25 2014 12:33PM Fax Station : FG Holl Co. LLC  
 F G HOLL ELLINWOOD WICHITA  
 04/25/2014 00:39 FAX 620 584 2062

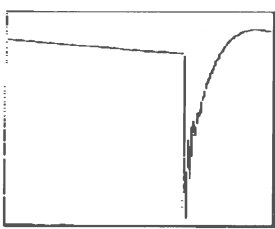
Group: Radium Well: Highland 1-23 (acquired on: 04/25/14 09:45:42)



Time 0.787 sec  
 Joints 11.1956 Its  
 Depth 452.53 ft

Liquid level calculated with user supplied Acoustic Velocity

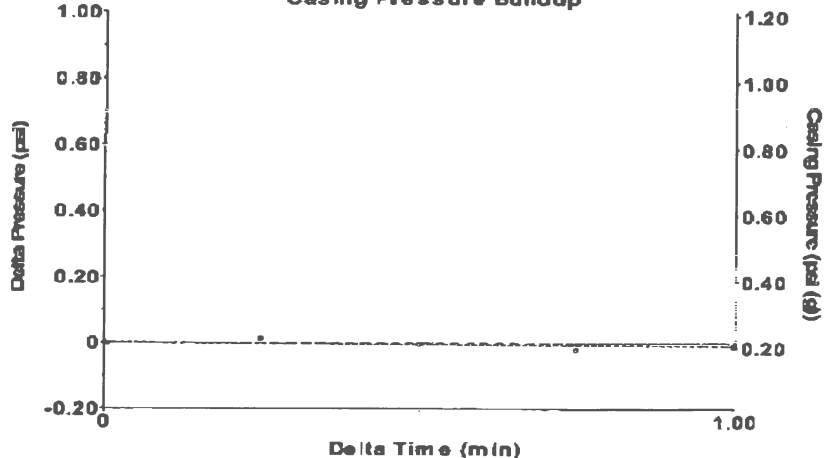
Acoustic Velocity 1150 ft/s



Analysis Method: Acoustic Velocity

Group: Radium Well: Highland 1-23 (acquired on: 04/25/14 09:45:42)

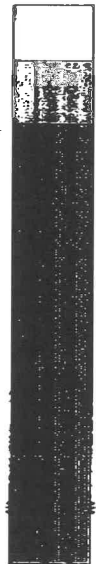
**Casing Pressure Buildup**



Change in Pressure -0.01 psi PF13440  
 Range 0 - ? psi  
 Change in Time 1.00 min

Group: Radium Well: Highland 1-23 (acquired on: 04/25/14 09:45:42)

Production Current	Potential	Casing Pressure	Producing
Oil -.-	-.- BBL/D	0.2 psi (g)	Annular Gas Flow -.- Mscf/D
Water -.-	-.- BBL/D	Casing Pressure Buildup -0.009 psi	% Liquid 100 %
Gas -.-	-.- Mscf/D	1.00 min	
IPR Method	Vogel	Gas/Liquid Interface Pressure 0.4 psi (g)	
PBHP/SBHP -.-	-.-		
Production Efficiency 0.0			
Oil 40 deg.API		Liquid Level Depth 452.53 ft	
Water 1.05 Sp.Gr.H2O		Pump Intake Depth -.- ft	
Gas 0.85 Sp.Gr.AIR		Formation Depth 3157.00 ft	
Acoustic Velocity 1150 ft/s			
Formation Submergence		Pump Intake -.- psi (g)	
Total Gaseous Liquid Column HT (TVD) 2704 ft		Producing BHP 1230.0 psi (g)	
Equivalent Gas Free Liquid HT (TVD) 2704 ft		Static BHP -.- psi (g)	
Acoustic Test			



Group: Radium Well: Highland 1-23 (acquired on: 04/25/14 09:45:42)

**Entered Acoustic Velocity for Liquid Level depth determination**

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



Phone: 785-625-0550  
Fax: 785-625-0564  
<http://kcc.ks.gov/>

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

Sam Brownback, Governor

April 29, 2014

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

Re: Temporary Abandonment  
API 15-009-25190-00-00  
HIGHLAND 1-23  
NE/4 Sec.23-20S-15W  
Barton County, Kansas

Dear Rebeca George:

"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 04/29/2015.

- \* 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 04/29/2015.

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

Very truly yours,

RICHARD WILLIAMS"