



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

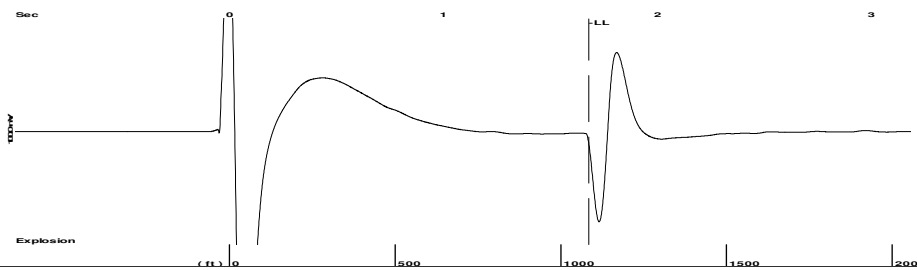
Submitted Electronically

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: <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 - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226	Phone 316.337.7400
	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

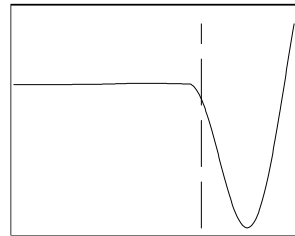
Group: MyWells Well: SULLIVAN 2-33 (acquired on: 10/20/16 15:14:17)



Time 1.679 sec
 Joints 34.1878 Jts
 Depth 1083.75 ft

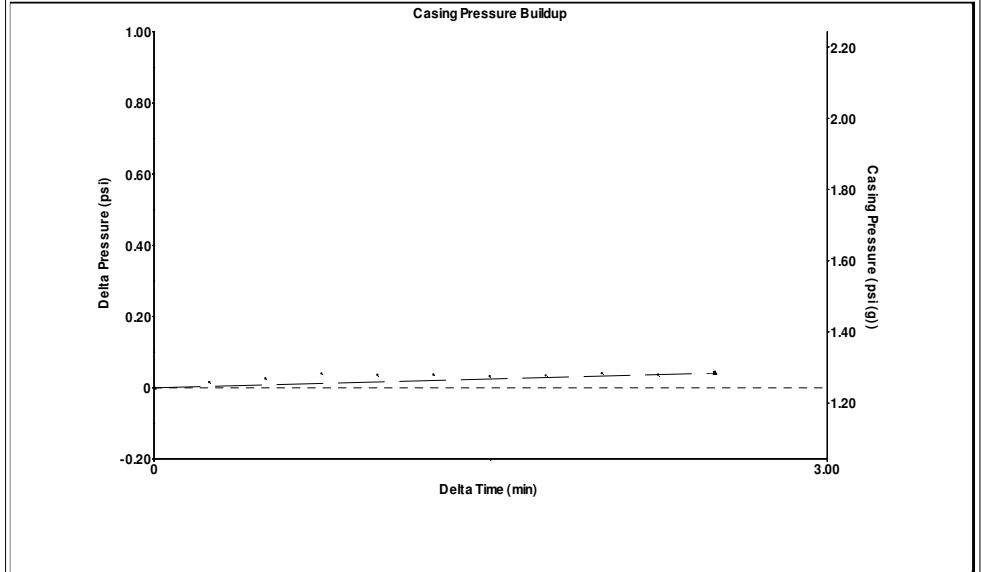
Liquid level calculated with user supplied Acoustic Velocity

Acoustic Velocity 1290.95 ft/s



Analysis Method: Acoustic Velocity

Group: MyWells Well: SULLIVAN 2-33 (acquired on: 10/20/16 15:14:17)



Change in Pressure 0.04 psi PT12896
 Change in Time 2.50 min Range 0 - ? psi

Group: MyWells Well: SULLIVAN 2-33 (acquired on: 10/20/16 15:14:17)

Production Current	Potential	Casing Pressure	Producing
Oil - * -	- * - BBL/D	1.2 psi (g)	Annular Gas Flow
Water - * -	- * - BBL/D	Casing Pressure Buildup	0 Mscf/D
Gas - * -	- * - Mscf/D	0.0 psi	% Liquid
		2.50 min	100 %
IPR Method	Vogel	Gas/Liquid Interface Pressure	
PBHP/SBHP	- * -	1.7 psi (g)	
Production Efficiency	0.0		
Oil 40 deg.API		Liquid Level Depth	
Water 1.05 Sp.Gr.H2O		1083.75 ft	
Gas 0.72 Sp.Gr.AIR		Tubing Intake Depth	
		2805.00 ft	
Acoustic Velocity 1290.95 ft/s		Formation Depth	
		2810.00 ft	
Formation Submergence		Tubing Intake	
Total Gaseous Liquid Column HT (TVD)	1726 ft	784.2 psi (g)	
Equivalent Gas Free Liquid HT (TVD)	1726 ft	Producing BHP	
		786.5 psi (g)	
Acoustic Test 150#		Static BHP	
		- * - psi (g)	

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Entered Acoustic Velocity for Liquid Level depth determination

Group: MyWells Well: SULLIVAN 2-33 (acquired on: 10/20/16 15:14:17)

Production
 Current Potential
 Oil - * - - * - BBL/D
 Water - * - - * - BBL/D
 Gas - * - - * - Mscf/D

Based on SBHP psi (g)

IPR Method Vogel

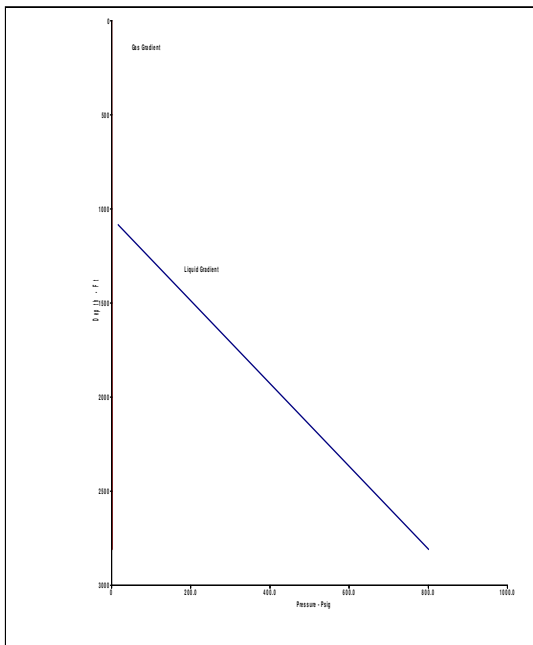
Calculation for Continous Removal of Liquids
 Method:

Turner Critical Velocity for Gas Wells

For Tubing ID: 2.441 in
 For Water: Mscf/D
 For Condensate: Mscf/D

Back Pressure on Formation
 Due To Liquid Loading: 798.844 Mscf/D

Tubing ID in	Gas Rate Mscf/D	Predicted Status
2.441		
1.995		
1.500		
1.250		
1.000		



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

October 25, 2016

Shawn Hildreth
Linn Operating, Inc.
600 TRAVIS STE 5100
HOUSTON, TX 77002-3018

Re: Temporary Abandonment
API 15-067-20034-00-00
SULLIVAN 2-33
SW/4 Sec.33-28S-37W
Grant County, Kansas

Dear Shawn Hildreth:

"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 10/25/2017.

- * 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 10/25/2017.

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

Very truly yours,

Michael Maier"