

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form must be Typed

Form must be signed

All blanks must be complete

TEMPORARY ABANDONMENT WELL APPLICATION

OPERATOR: License# 32446

Name: Merit Energy Company, LLC

Address 1: 13727 Noel Road, Suite 1200

Address 2: _____

City: Dallas State: TX Zip: 75240 + _____

Contact Person: Katherine McClurkan

Phone: (972) 628-1660

Contact Person Email: kathy.mcclurkan@meritenergy.com

Field Contact Person: Gary Ralstin

Field Contact Person Phone: (620) 630-0508

API No. 15- 15-129-00319-00-00

Spot Description: SW SW SE NE Sec. 11 Twp. 33 S. R. 41 ☐ E ☒ W
2475 feet from ☒ N / ☐ S Line of Section
1276 feet from ☒ E / ☐ W Line of Section

GPS Location: Lat: _____, Long: _____
 Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84 (e.g. xx.xxxxx) (e.g. -xxx.xxxxx)
 County: Morton Elevation: 3431 ☐ GL ☒ KB
 Lease Name: Barker Well #: 1-11

Well Type: (check one) ☐ Oil ☒ Gas ☐ OG ☐ WSW ☐ Other: _____
☐ SWD Permit #: _____ ☐ ENHR Permit #: _____
☐ Gas Storage Permit #: _____
 Spud Date: 06/11/1956 Date Shut-In: 07/26/2016

	Conductor	Surface	Production	Intermediate	Liner	Tubing
Size	N/A	7	4.5	N/A	N/A	2.0625
Setting Depth		426	2348			2335
Amount of Cement		125	300			N/A
Top of Cement		0	0			N/A
Bottom of Cement		426	2348			N/A

Casing Fluid Level from Surface: 1750 How Determined? Echometer Date: 07/07/2023

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 _____ (depth) ☐ Tools in Hole at _____ (depth) Casing Leaks: ☐ Yes ☐ No Depth of casing leak(s): _____

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: 2371 Plug Back Depth: _____ Plug Back Method: _____

Geological Date:

Formation Name Chase Group Formation Top _____ Formation Base _____ Completion Information
 1. _____ At: _____ to _____ Feet Perforation Interval 2213 to 2294 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

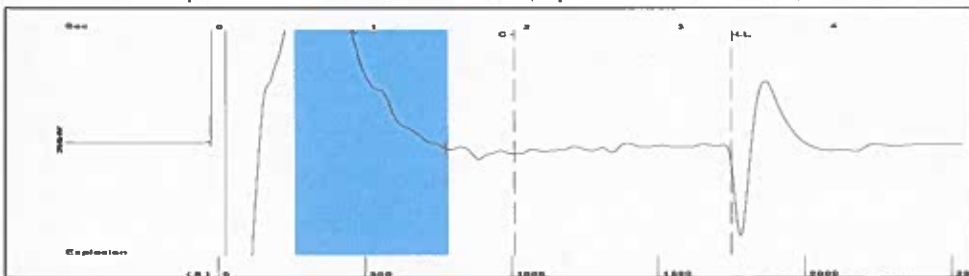
Submitted Electronically

Do NOT Write in This Space - KCC USE ONLY	Date Tested:	Results:	Date Plugged:	Date Repaired:	Date Put Back in Service:
Review Completed by:	<u>Michael Maier</u>				
TA Approved: ☒ Yes ☐ Denied	Date: <u>07/20/2023</u>				

Mail to the Appropriate KCC Conservation Office:

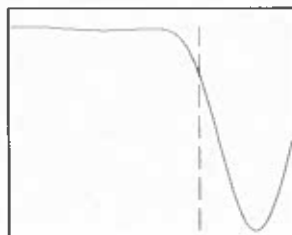
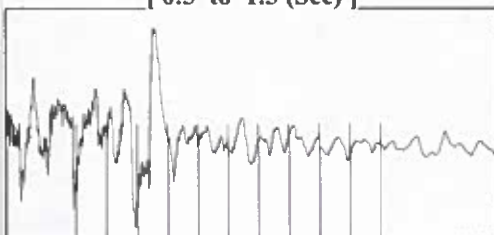
	KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801	Phone 620.682.7933
	KCC District Office #2 - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226	Phone 316.337.7400
	KCC District Office #3 - 137 E. 21st St., Chanute, KS 66720	Phone 620.902.6450
	KCC District Office #4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

Group: TA'D WELLS Well: BARKER 1-11 (acquired on: 07/07/23 14:29:56)



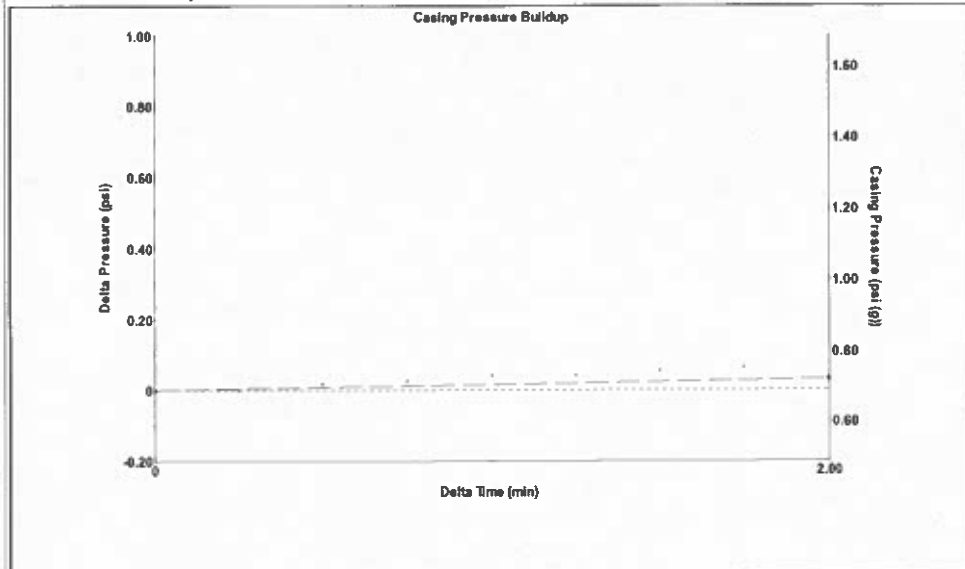
Filter Type High Pass Automatic Collar Count Yes Time 3.336 sec
Manual Acoustic Velo 1022.58 ft/s Manual JTS/sec 16.129 Joints 55.1912 Jts
Depth 1749.56 ft

[0.5 to 1.5 (Sec)]



Analysis Method: Automatic

Group: TA'D WELLS Well: BARKER 1-11 (acquired on: 07/07/23 14:29:56)



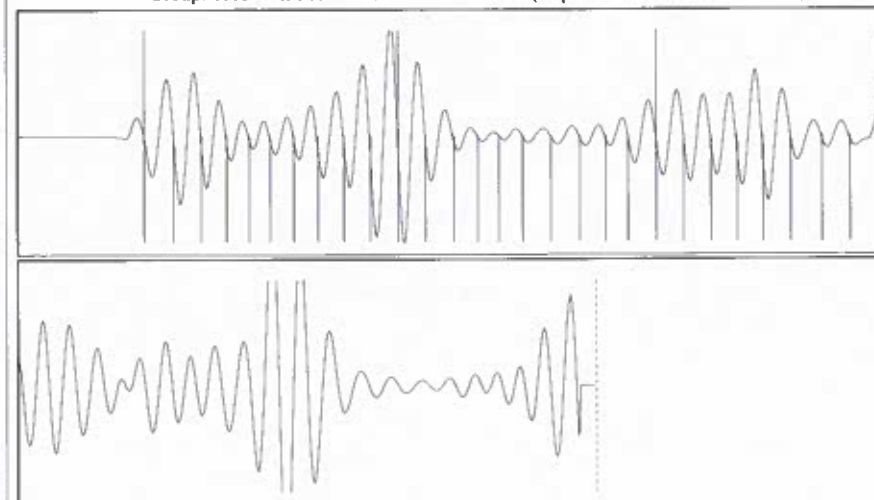
Change in Pressure 0.03 psi PT10411
Change in Time 2.00 min Range 0 - ? psi

Group: TA'D WELLS Well: BARKER 1-11 (acquired on: 07/07/23 14:29:56)

Production	Potential	Casing Pressure	Producing
Current			
Oil - * -	- * - BBL/D	0.7 psi (g)	Annular
Water - * -	- * - BBL/D	Casing Pressure Buildup	Gas Flow
Gas - * -	- * - Mscf/D	0.0 psi	0 Mscf/D
		2.00 min	% Liquid
		Gas/Liquid Interface Pressure	100 %
		1.6 psi (g)	
IPR Method	Vogel	Liquid Level Depth	
PBHP/SBHP	- * -	1749.56 ft	
Production Efficiency	0.0	Pump Intake Depth	
		2335.00 ft	
Oil 40 deg.API		Formation Depth	
Water 1.05 Sp.Gr.H2O		2371.00 ft	
Gas 0.93 Sp.Gr.AIR			
Acoustic Velocity	1048.9 ft/s		
Formation Submergence			
Total Gaseous Liquid Column HT (TVD)	585 ft		
Equivalent Gas Free Liquid HT (TVD)	585 ft		
Acoustic Test			



Group: TA'D WELLS Well: BARKER 1-11 (acquired on: 07/07/23 14:29:56)



16.54

Acoustic Velocity	1048.9 ft/s	Joints counted	27
Joints Per Second	16.5441 jts/sec	Joints to liquid level	55.1912
Depth to liquid level	1749.56 ft	Filter Width	14.129 18.129
Automatic Collar Count	Yes	Time to 1st Collar	0.292 1.924

Susan K. Duffy, Chair
Dwight D. Keen, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

July 20, 2023

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

Re: Temporary Abandonment
API 15-129-00319-00-00
Barker 1-11
NE/4 Sec.11-33S-41W
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 07/20/2024.

- * 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 07/20/2024.

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

Very truly yours,

Michael Maier"