

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: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84

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: 1695 How Determined? Echometer Date: 06/17/2022

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 Formation Top Formation Base Completion Information

1. Chase Group 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

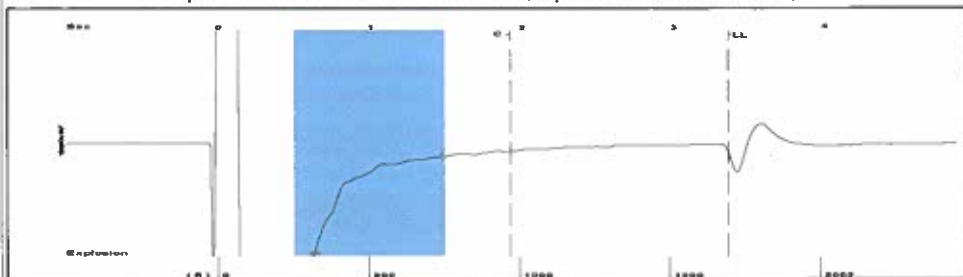
Submitted Electronically

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>07/10/2022</u>				

Mail to the Appropriate KCC Conservation Office:

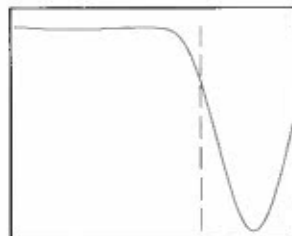
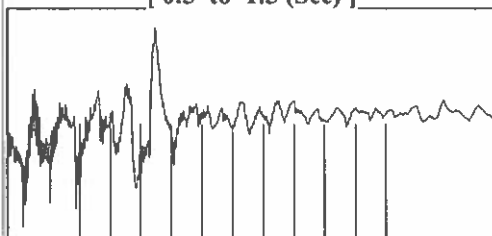
	KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801	Phone 620.682.7933
	KCC District Office #2 - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226	Phone 316.337.7400
	KCC District Office #3 - 137 E. 21st St., Chanute, KS 66720	Phone 620.902.6450
	KCC District Office #4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

Group: TA'D WELLS Well: BARKER I-11 (acquired on: 06/17/22 12:48:34)



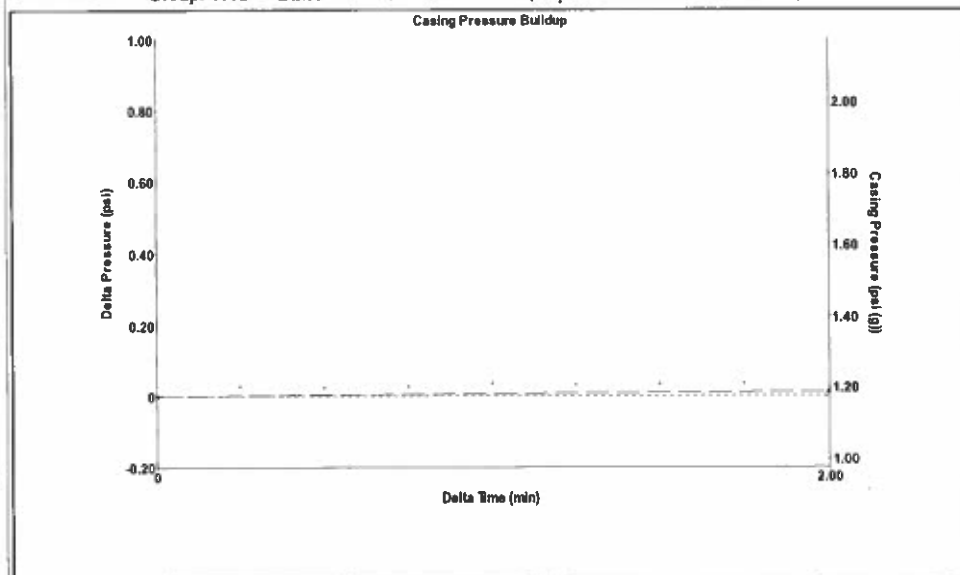
Filter Type High Pass Automatic Collar Count Yes Time 3.364 sec
Manual Acoustic Velo1006.35 ft/s Manual JTS/sec 15.873 Joints 53.474
Depth 1695.13 ft

[0.5 to 1.5 (Sec)]



Analysis Method: Automatic

Group: TA'D WELLS Well: BARKER I-11 (acquired on: 06/17/22 12:48:34)



Change in Pressure 0.01 psi PT9424
Change in Time 2.00 min Range 0 - ? psi

Group: TA'D WELLS Well: BARKER I-11 (acquired on: 06/17/22 12:48:34)

Production
Current Potential
Oil -*- BBL/D
Water -*- BBL/D
Gas -*- Mscf/D
IPR Method Vogel
PBHP/SBHP -*-
Production Efficiency 0.0
Oil 40 deg.API
Water 1.05 Sp.Gr.H2O
Gas 0.97 Sp.Gr.AIR
Acoustic Velocity 1007.8 ft/s

Casing Pressure 1.2 psi (g)
Casing Pressure Buildup 0.0 psi
2.00 min
Gas/Liquid Interface Pressure 2.1 psi (g)
Liquid Level Depth 1695.13 ft
Pump Intake Depth 2335.00 ft
Formation Depth 2371.00 ft

Producing
Annular Gas Flow 0 Mscf/D
% Liquid 100 %

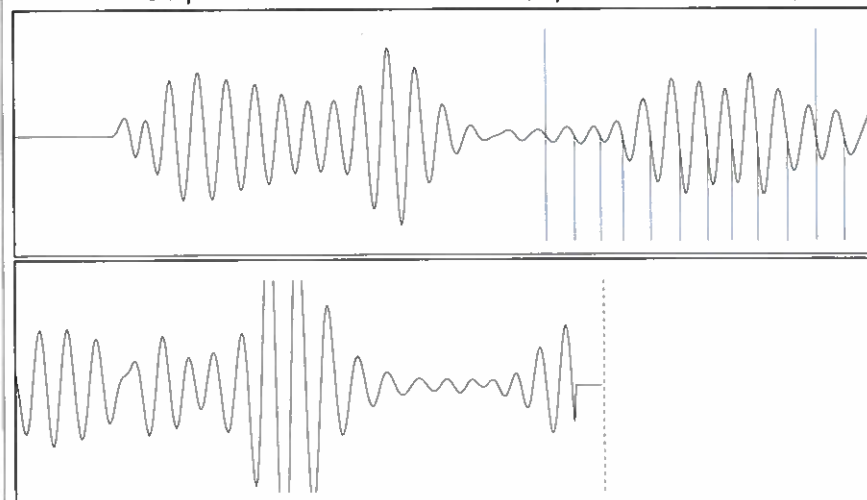
Pump Intake 220.8 psi (g)
Producing BHP 237.1 psi (g)
Static BHP -*- psi (g)

Formation Submergence
Total Gaseous Liquid Column HT (TVD) 640 ft
Equivalent Gas Free Liquid HT (TVD) 640 ft

Acoustic Test



Group: TA'D WELLS Well: BARKER I-11 (acquired on: 06/17/22 12:48:34)



15.90

Acoustic Velocity 1007.8 ft/s Joints counted 11
Joints Per Second 15.896 jts/sec Joints to liquid level 53.474
Depth to liquid level 1695.13 ft Filter Width 13.873 17.873
Automatic Collar Count Yes Time to 1st Collar 1.232 1.924

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



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

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

Laura Kelly, Governor

July 10, 2022

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 07/10/2023.

- * 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 07/10/2023.

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

Very truly yours,

Michael Maier"