

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: Darrell Eggers

Field Contact Person Phone: (580) 651-1785

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

Spot Description: _____

2475 - S2 NE Sec. 11 Twp. 33 S. R. 41 ☐ E ☒ W

1276 feet from ☒ N / ☐ S Line of Section

1276 feet from ☒ E / ☐ W Line of Section

GPS Location: Lat: 37.192976 , Long: -101.741050

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: 1981 How Determined? Echometer Date: 09/06/2018

Casing Squeeze(s): _____ to _____ w / _____ sacks of cement, _____ to _____ w / _____ sacks of cement. Date: _____

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

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. 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

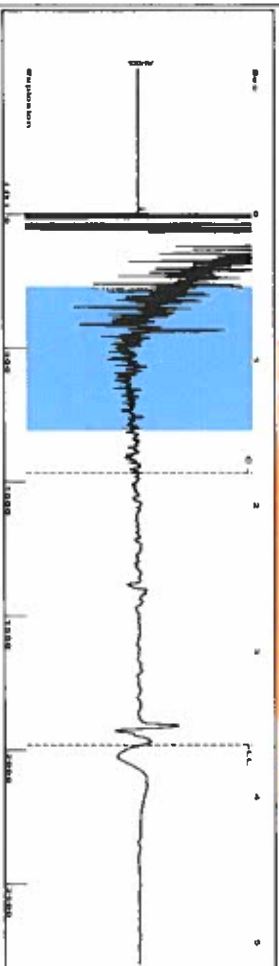
Submitted Electronically

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> Comments: _____				
TA Approved: ☒ Yes ☐ Denied Date: <u>09/25/2018</u>					

Mail to the Appropriate KCC Conservation Office:

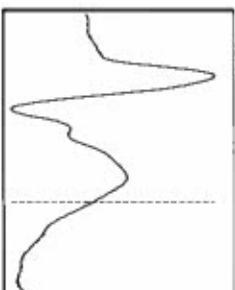
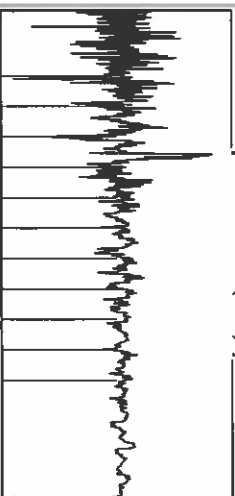
	KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801	Phone 620.682.7933
	KCC District Office #2 - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226	Phone 316.337.7400
	KCC District Office #3 - 137 E. 21st St., Chanute, KS 66720	Phone 620.902.6450
	KCC District Office #4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

Group: MyWells Well: barkar 1-11 (acquired on: 09/06/18 14:51:36)



Filter Type High Pass Automatic Collar Count Yes Time 3.644 sec
Manual Acoustic Veloc 1014.4 ft/s Manual JTS/sec 16 Joints 62.496 ft/s
Depth 1981.12 ft

0.5 to 1.5 (Sec)



Analysis Method: Automatic

Group: MyWells Well: barkar 1-11 (acquired on: 09/06/18 14:51:36)

Production	Potential	Casing Pressure	Producing
Current	-*- BBL/D	18.8 psi (g)	Annular
Oil	-*- BBL/D	Casing Pressure Buildup	Gas Flow
Water	-*- BBL/D	-0.5 psi	0 MscFD
Gas	-*- MscFD	1.00 min	% Liquid
IPR Method	Vogel	Gas/Liquid Interface Pressure	100 %
PBHP/SBHP	-*-	20.8 psi (g)	
Production Efficiency	0.0		

Liquid Level Depth
1981.12 ft

Pump Intake Depth
2335.00 ft

Formation Depth
2371.00 ft

Oil 40 deg API

Water 1.05 Sp.Gr./H2O

Gas 0.90 Sp.Gr./AIR

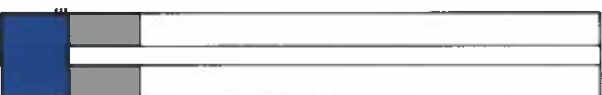
Acoustic Velocity 1087.34 ft/s

Formation Submergence
Total Gas/Liquid Column HT (TVD)
Equivalent Gas Free Liquid HT (TVD)

354 ft

354 ft

Acoustic Test



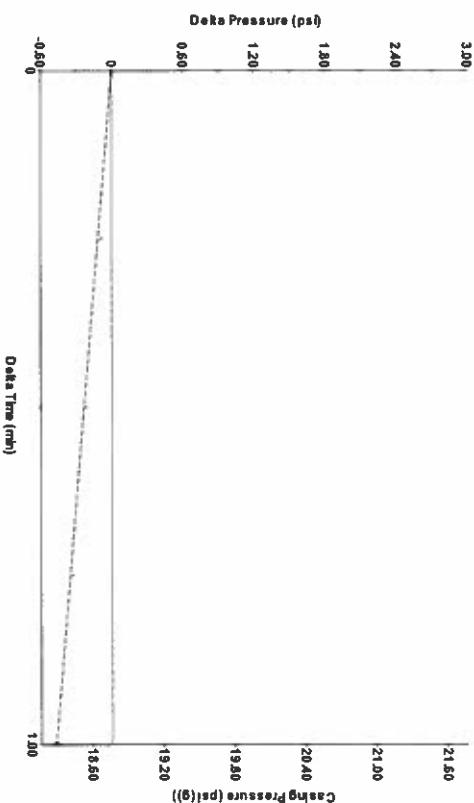
Pump Intake
141.6 psi (g)

Producing BHP
158.0 psi (g)

Static BHP
- * - psi (g)

Group: MyWells Well: barkar 1-11 (acquired on: 09/06/18 14:51:36)

Casing Pressure Buildup



Change in Pressure -0.47 psi

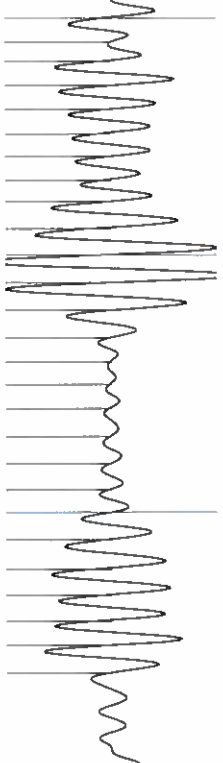
PT9424

Range

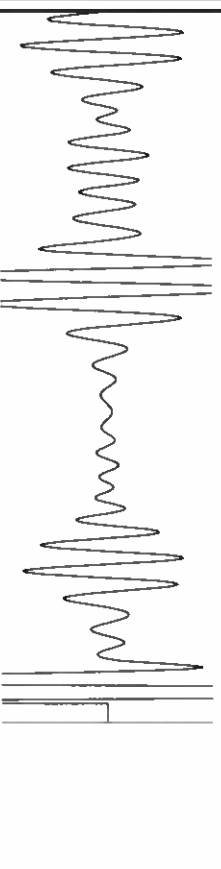
Change in Time 1.00 min

0 - ? psi

Group: MyWells Well: barkar 1-11 (acquired on: 09/06/18 14:51:36)



17.15



Acoustic Velocity 1087.34 ft/s Joints counted 26

Joints Per Second 17.1504 ft/sec Joints to liquid level 14

Depth to liquid level 1981.12 ft Filter Width 1.776

Automatic Collar Count Yes Time to 1st Collar 0.26

STATE OF KANSAS

CORPORATION COMMISSION
CONSERVATION DIVISION
DISTRICT 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 | DWIGHT D. KEEN, COMMISSIONER

September 25, 2018

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 09/25/2019.

- * 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 09/25/2019.

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

Very truly yours,

Michael Maier"