KOLAR Document ID: 1487640

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form CP-111
July 2017
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) 360-0508

API No. 15- 15-129-21391-00-00
Spot Description:
__ - NW - SW - SE Sec. 17 Twp. 33 S. R. 41 ☐ E ☑ W
1250 feet from ☐ N / ☑ S Line of Section
2000 feet from ☑ E / ☐ W Line of Section
GPS Location: Lat: 37.174184 (e.g. xx.xxxxx) , Long: -101.798358 (e.g. -xxx.xxxxx)
Datum: ☐ NAD27 ☑ NAD83 ☐ WGS84
County: Morton Elevation: 3436 ☑ GL ☐ KB
Lease Name: Neptune A Well #: 1
Well Type: *(check one)* ☐ Oil ☑ Gas ☐ OG ☐ WSW ☐ Other:
☐ SWD Permit #: ☐ ENHR Permit #:
☐ Gas Storage Permit #:
Spud Date: 07/21/1995 Date Shut-In: 10/01/2015

	Conductor	Surface	Production	Intermediate	Liner	Tubing
Size	N/A	8.625	5.5	N/A	N/A	N/A
Setting Depth		502	2298			
Amount of Cement		95	110			
Top of Cement		0	0			
Bottom of Cement		502	2298			

Casing Fluid Level from Surface: 2104 How Determined? Echometer Date: 02/13/2020
Casing Squeeze(s): ____ (top) to ____ (bottom) w / ____ sacks of cement, ____ (top) to ____ (bottom) 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: ____ (depth) w / ____ sacks of cement ☐ Port Collar: ____ (depth) w / ____ sack of cement
Packer Type: Size: Inch Set at: Feet
Total Depth: 2450 Plug Back Depth: Plug Back Method:

Geological Date:

Formation Name	Formation Top	Formation Base	Completion Information
1. Chase Group	At:	to Feet	Perforation Interval 2036 to 2087 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**

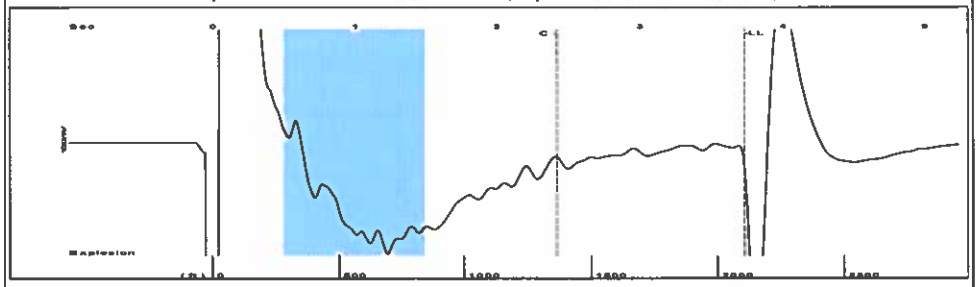
Date Tested:	Results:	Date Plugged:	Date Repaired:	Date Put Back in Service:

Review Completed by: Michael Maier Comments:
TA Approved: ☑ Yes ☐ Denied Date: 02/18/2020

Mail to the Appropriate KCC Conservation Office:

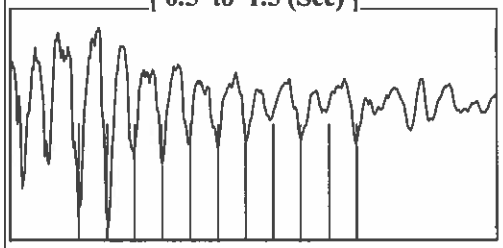
KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801	Phone 620.682.7933
KCC District Office #2 - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226	Phone 316.337.7400
KCC District Office #3 - 137 E. 21st St., Chanute, KS 66720	Phone 620.902.6450
KCC District Office #4 -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

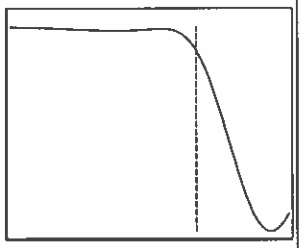
Group: TA'D WELLS Well: LOW A-3 (acquired on: 02/13/20 08:27:02)



Filter Type	High Pass		Automatic Collar Count	Yes	Time	3.731	sec
Manual Acoustic Velo	1108.39	ft/s	Manual JTS/sec	17.4825	Joints	66.3755	Jts
					Depth	2104.10	ft

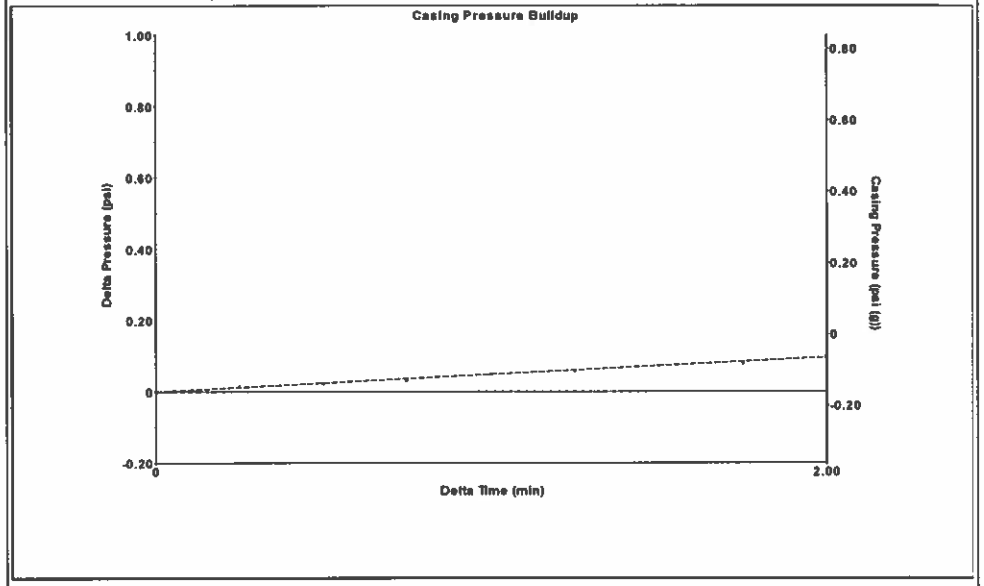
[0.5 to 1.5 (Sec)]





Analysis Method: Automatic

Group: TA'D WELLS Well: LOW A-3 (acquired on: 02/13/20 08:27:02)



Change in Pressure	0.10	psi	PT9424	
			Range	0 - ? psi
Change in Time	2.00	min		

Group: TA'D WELLS Well: LOW A-3 (acquired on: 02/13/20 08:27:02)

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	0.86	Sp.Gr.AIR

Acoustic Velocity 1127.9 ft/s

Formation Submergence
Total Gaseous Liquid Column HT (TVD) 460 ft
Equivalent Gas Free Liquid HT (TVD) 445 ft

Acoustic Test

Casing Pressure
-0.2 psi (g)
Casing Pressure Buildup
0.1 psi
2.00 min
Gas/Liquid Interface Pressure
0.8 psi (g)

Liquid Level Depth
2104.10 ft

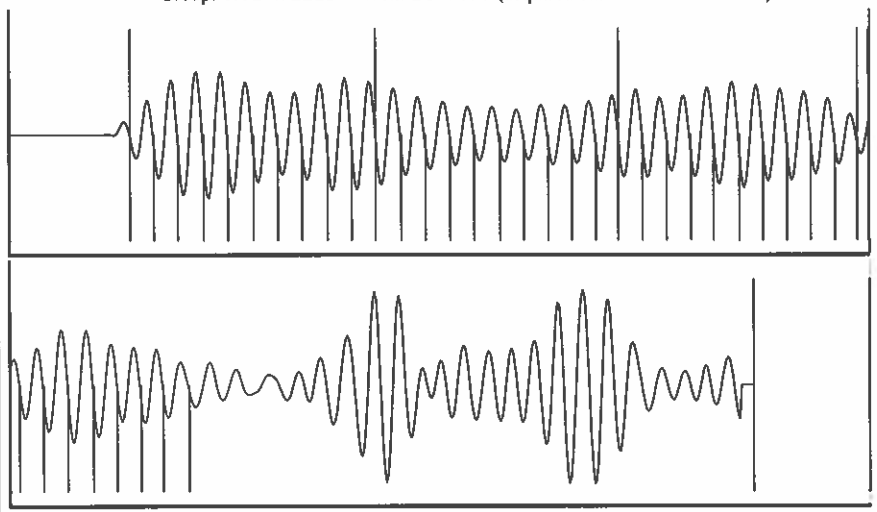
Pump Intake Depth
2564.00 ft
Formation Depth
2846.00 ft

Producing

Annular
Gas Flow
1 Mscf/D
% Liquid
97 %

Pump Intake
153.1 psi (g)
Producing BHP
278.6 psi (g)
Static BHP
- * - psi (g)

Group: TA'D WELLS Well: LOW A-3 (acquired on: 02/13/20 08:27:02)

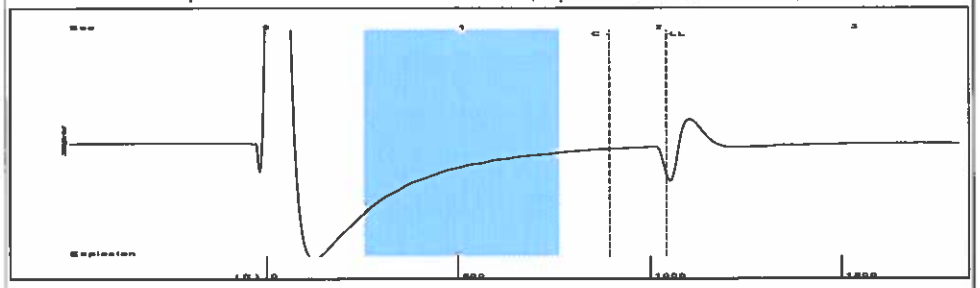


17.73

18.02

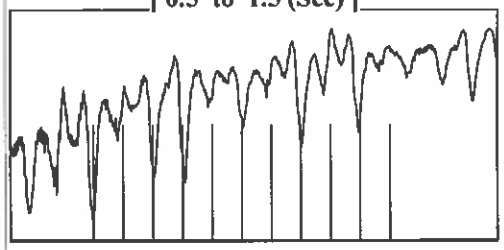
Acoustic Velocity	1127.9	ft/s	Joints counted	38	
Joints Per Second	17.7903	jts/sec	Joints to liquid level	66.3755	
Depth to liquid level	2104.1	ft	Filter Width	15.4825	19.4825
Automatic Collar Count	Yes		Time to 1st Collar	0.28	2.416

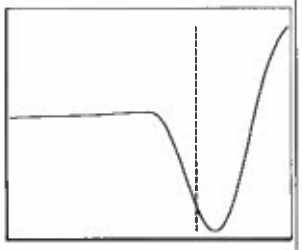
Group: TA'D WELLS Well: NEPTUNE A-1 (acquired on: 02/13/20 08:55:44)



Filter Type	High Pass	Automatic Collar Count	Yes	Time	2.035 sec
Manual Acoustic Velo	1035.95 ft/s	Manual JTS/sec	16.3399	Joints	32.8226 Jts
				Depth	1040.48 ft

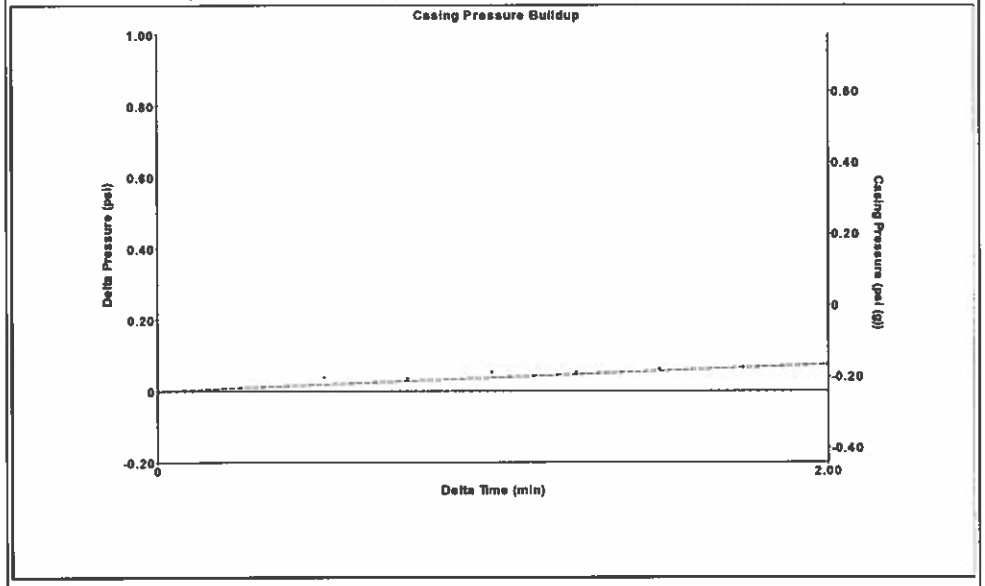
| 0.5 to 1.5 (Sec) |





Analysis Method: Automatic

Group: TA'D WELLS Well: NEPTUNE A-1 (acquired on: 02/13/20 08:55:44)



Change in Pressure	0.07 psi	PT9424	
		Range	0 - ? psi
Change in Time	2.00 min		

Group: TA'D WELLS Well: NEPTUNE A-1 (acquired on: 02/13/20 08:55:44)

Production

	Current	Potential	
Oil	- * -	0.0	BBL/D
Water	- * -	0.0	BBL/D
Gas	- * -	0.0	Mscf/D

IPR Method	Vogel
PBHP/SBHP	0.63
Production Efficiency	56.2

Oil	40	deg.API
Water	1.05	Sp.Gr.H2O
Gas	0.95	Sp.Gr.AIR

Acoustic Velocity 1022.58 ft/s

Formation Submergence

Total Gaseous Liquid Column HT (TVD)	1410	ft
Equivalent Gas Free Liquid HT (TVD)	1410	ft

Acoustic Test

Casing Pressure
-0.2 psi (g)
Casing Pressure Buildup
0.1 psi
2.00 min
Gas/Liquid Interface Pressure
0.3 psi (g)

Liquid Level Depth
1040.48 ft

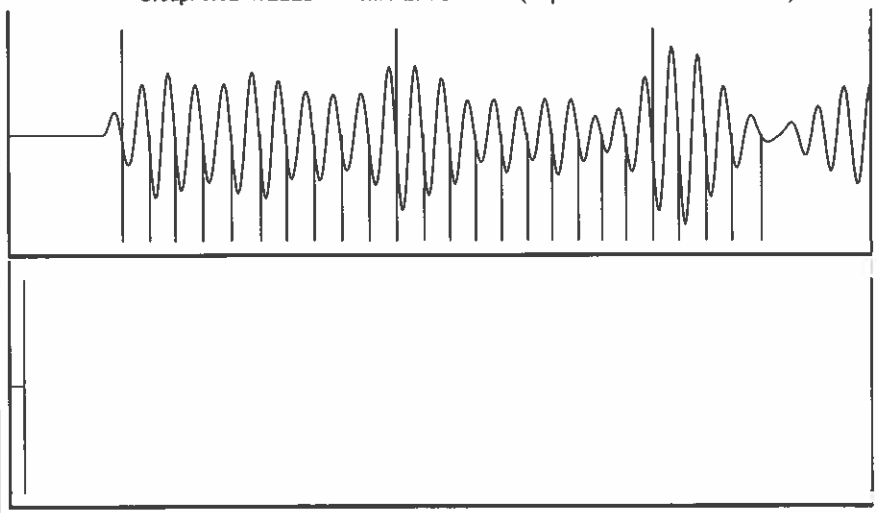
Pump Intake Depth
2450.00 ft
Formation Depth
2450.00 ft

Producing

Annular Gas Flow
0 Mscf/D
% Liquid
100 %

Pump Intake
477.0 psi (g)
Producing BHP
477.0 psi (g)
Static BHP
771.8 psi (g)

Group: TA'D WELLS Well: NEPTUNE A-1 (acquired on: 02/13/20 08:55:44)



16.13

Acoustic Velocity	1022.58	ft/s	Joints counted	24	
Joints Per Second	16.129	jts/sec	Joints to liquid level	32.8226	
Depth to liquid level	1040.48	ft	Filter Width	14.3399	18.3399
Automatic Collar Count	Yes		Time to 1st Collar	0.26	1.748

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

Kansas
Corporation Commission

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

February 18, 2020

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

Re: Temporary Abandonment
API 15-129-21391-00-00
Neptune A 1
SE/4 Sec.17-33S-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 02/18/2021.

* 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 02/18/2021.

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

Very truly yours,

Michael Maier"