KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

[redacted] 1356518

Form CP-111
March 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: Cory Brown
Field Contact Person Phone: (307) 247-5320

API No. 15- 15-187-21095-00-00
Spot Description:
NE SW SW NW Sec. 21 Twp. 29 S. R. 39 ☐ E ☑ W
2056 feet from ☑ N / ☐ S Line of Section
657 feet from ☐ E / ☑ W Line of Section
GPS Location: Lat: 37.513214 (e.g. xx.xxxxx) , Long: -101.596318 (e.g. -xxx.xxxxx)
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Stanton Elevation: 3215 ☑ GL ☐ KB
Lease Name: McPherson College Well #: 4-E21-29-39
Well Type: *(check one)* ☑ Oil ☐ Gas ☐ OG ☐ WSW ☐ Other:
☐ SWD Permit #: ☐ ENHR Permit #:
☐ Gas Storage Permit #:
Spud Date: 05/09/2007 Date Shut-In: 04/07/2009

	Conductor	Surface	Production	Intermediate	Liner	Tubing
Size	N/A	8.625	5.5	N/A	N/A	2.875
Setting Depth		1796	5973			5667
Amount of Cement		750	315			N/A
Top of Cement		0	4390			N/A
Bottom of Cement		1796	5973			N/A

Casing Fluid Level from Surface: 5487 How Determined? Echometer Date: 05/30/2017
Casing Squeeze(s): 1442 (top) to 1680 (bottom) w / 100 sacks of cement, 4774 (top) to 5000 (bottom) w / 105 sacks of cement. Date: 05/22/2007

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: 3064 (depth) w / 93 sack of cement

Packer Type: ____ Size: ____ Inch Set at: ____ Feet

Total Depth: 5973 Plug Back Depth: 5700 Plug Back Method: CIBP

Geological Date:

Formation Name	Formation Top	Formation Base	Completion Information
1. Morrow	At: ____	to ____ Feet	Perforation Interval 5486 to 5496 Feet or Open Hole Interval ____ to ____ Feet
2. Morrow	At: ____	to ____ Feet	Perforation Interval 5512 to 5530 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: ____

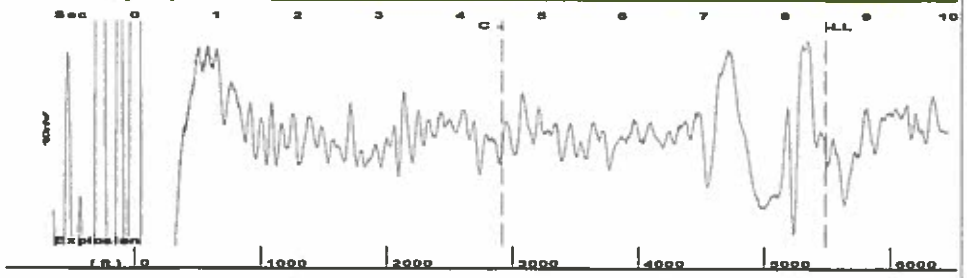
Review Completed by: Michael Maier Comments: ____

TA Approved: ☑ Yes ☐ Denied Date: 06/06/2017

Mail to the Appropriate KCC Conservation Office:

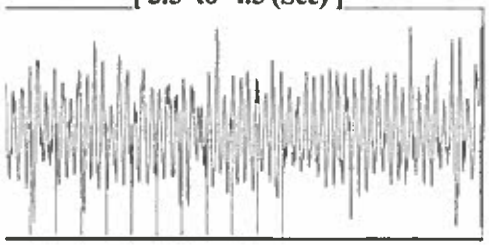
KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801	Phone 620.682.7933
KCC District Office #2 - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226	Phone 316.337.7400
KCC District Office #3 - 1500 SW Seventh Steet, Chanute, KS 66720	Phone 620.432.2300
KCC District Office #4 - 2301 E. 13th Street, Hays, KS 67601-2651	Phone 785.261.6250

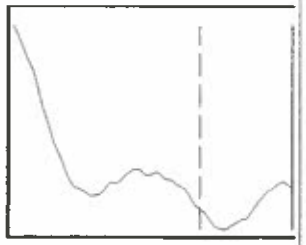
Group: Oxy USA Ulysses Well: McPherson College 4-E21 (acquired on: 05/30/17 14:48:20)



Filter Type	High Pass	Automatic Collar Count	Yes	Time	8.5	sec
Manual Acoustic Velo	1223.94	ft/s	Manual JTS/sec	19.305	Joints	173.104	Jts
					Depth	5487.39	ft

[3.5 to 4.5 (Sec)]





Analysis Method: Automatic

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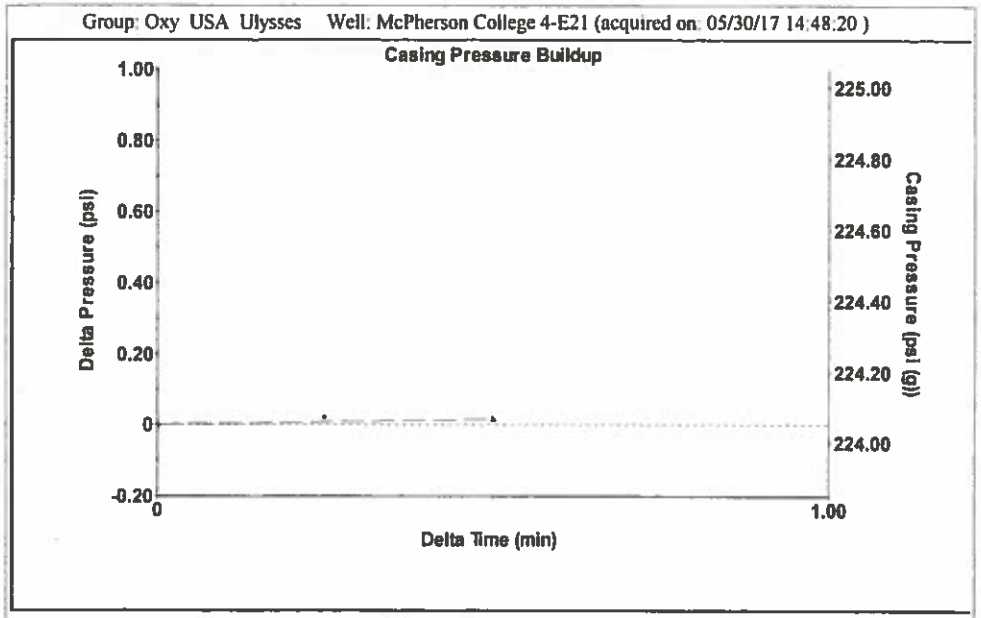

Change in Pressure	0.01	psi	PT14654		
			Range	0 - 7	psi
Change in Time	0.50	min			

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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	0.69	Sp.Gr.AIR

Acoustic Velocity 1291.15 ft/s

Casing Pressure
224.1 psi (g)

Casing Pressure Buildup
0.015 psi
0.50 min

Gas/Liquid Interface Pressure
257.4 psi (g)

Liquid Level Depth
5487.39 ft

Pump Intake Depth
5667.00 ft

Formation Depth
5530.00 ft

Producing

Annular Gas Flow
2 Mscf/D

% Liquid
94 %

Pump Intake
316.0 psi (g)

Producing BHP
270.7 psi (g)

Static BHP
- * - psi (g)

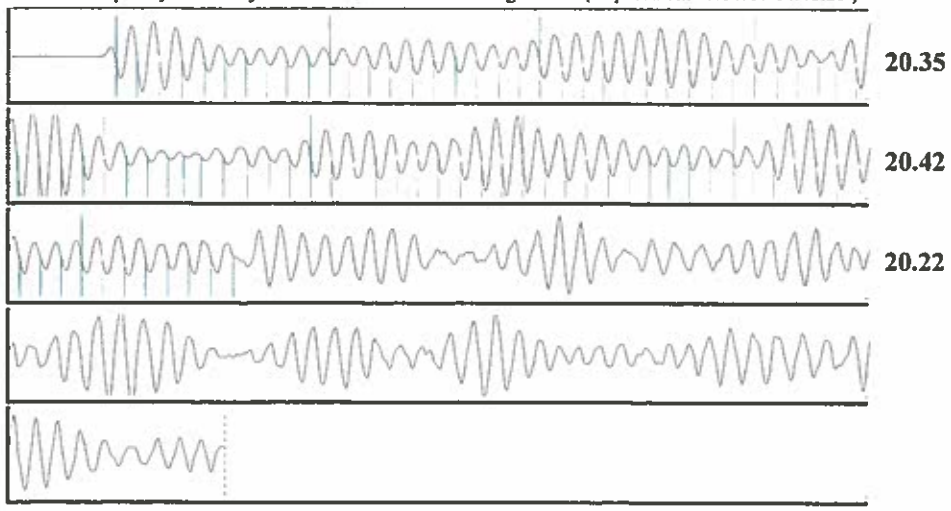
Formation Submergence

Total Gaseous Liquid Column HT (TVD)	180	ft
Equivalent Gas Free Liquid HT (TVD)	177	ft

Acoustic Test

Tim Frydendall-Fluid Level Technician

Group: Oxy USA Ulysses Well: McPherson College 4-E21 (acquired on: 05/30/17 14:48:20)



Acoustic Velocity	1291.15	ft/s	Joints counted	87	
Joints Per Second	20.3652	jts/sec	Joints to liquid level	173.104	
Depth to liquid level	5487.39	ft	Filter Width	17.305	21.305
Automatic Collar Count	Yes		Time to 1st Collar	0.248	4.52

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/

June 06, 2017

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

Re: Temporary Abandonment
API 15-187-21095-00-00
McPherson College 4-E21-29-39
NW/4 Sec.21-29S-39W
Stanton 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 06/06/2018.

* 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 06/06/2018.

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

Very truly yours,

Michael Maier"