KOLAR Document ID: 1462706

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 + 7362
Contact Person: Katherine McClurkan
Phone: (972) 628-1566
Contact Person Email: kathy.mcclurkan@meritenergy.com
Field Contact Person: Jarek Mader
Field Contact Person Phone: (620) 655-3637

API No. 15- 15-081-21437-00-01
Spot Description:
NE - NE - SW - NE Sec. 30 Twp. 27 S. R. 33 ☐ E ☑ W
1505 feet from ☑ N / ☐ S Line of Section
1458 feet from ☑ E / ☐ W Line of Section
GPS Location: Lat: (e.g. xx.xxxxx) , Long: (e.g. -xxx.xxxxx)
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Haskell Elevation: 2998 ☑ GL ☐ KB
Lease Name: WARD F Well #: 2
Well Type: *(check one)* ☑ Oil ☐ Gas ☐ OG ☐ WSW ☐ Other:
☐ SWD Permit #: ☐ ENHR Permit #:
☐ Gas Storage Permit #:
Spud Date: 03/30/2011 Date Shut-In: 04/01/2019

	Conductor	Surface	Production	Intermediate	Liner	Tubing
Size	N/A	8.625	5.5	N/A	N/A	2.375
Setting Depth		1764	5500			5246
Amount of Cement		750	240			N/A
Top of Cement		0	0			N/A
Bottom of Cement		1764	5500			N/A

Casing Fluid Level from Surface: 1507 How Determined? Echometer Date: 05/02/2019
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: 5500 Plug Back Depth: 5249 Plug Back Method: CIBP

Geological Date:

Formation Name	Formation Top	Formation Base	Completion Information
1. Morrow	At:	to Feet	Perforation Interval 5182 to 5224 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

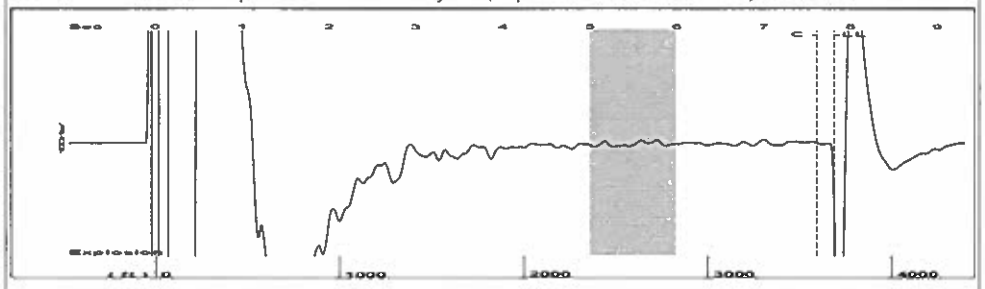
Submitted Electronically

***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: 06/11/2019

Mail to the Appropriate KCC Conservation Office:

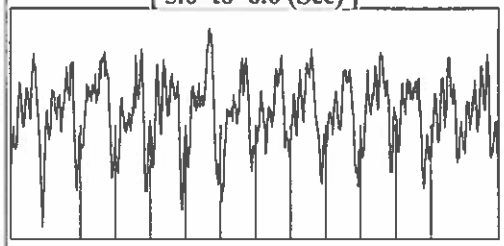
KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801	Phone 620.682.7933
KCC District Office #2 - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226	Phone 316.337.7400
KCC District Office #3 - 137 E. 21st St., Chanute, KS 66720	Phone 620.902.6450
KCC District Office #4 -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

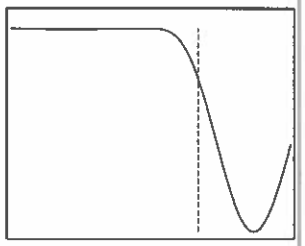
Group: Route 2 Well: Bailey C-1 (acquired on: 05/02/19 12:15:36)



Filter Type	High Pass		Automatic Collar Count	Yes	Time	7.806	sec
Manual Acoustic Velo	880.556	ft/s	Manual JTS/sec	13.8889	Joints	116.275	Jts
					Depth	3685.91	ft

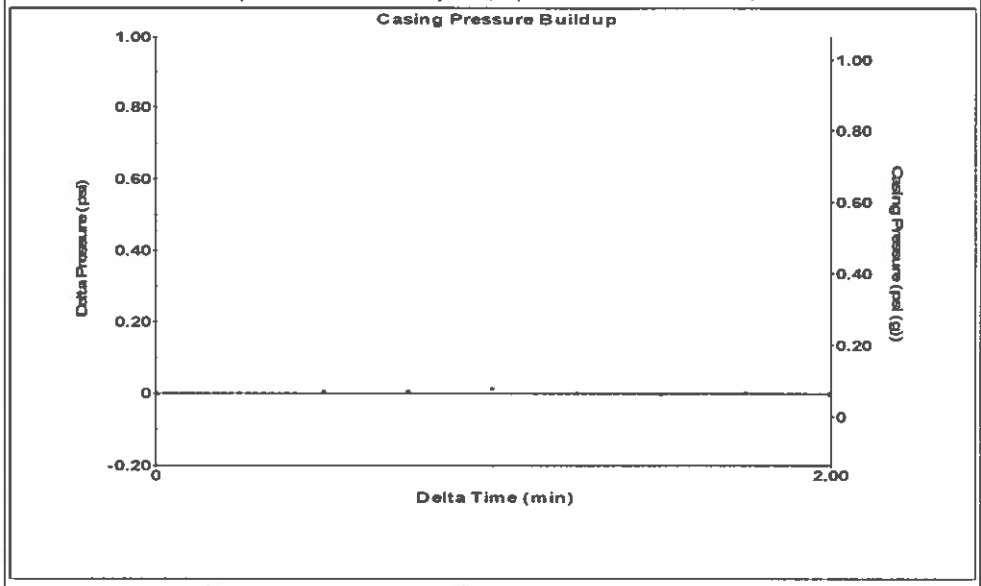
[5.0 to 6.0 (Sec)]





Analysis Method: Automatic

Group: Route 2 Well: Bailey C-1 (acquired on: 05/02/19 12:15:36)



Change in Pressure	-0.00	psi	PT 6902		
			Range	0 - ?	psi
Change in Time	2.00	min			

Group: Route 2 Well: Bailey C-1 (acquired on: 05/02/19 12:15:36)

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	1.04	Sp.Gr.AIR
Acoustic Velocity	944.38	ft/s

Casing Pressure
0.1 psi (g)

Casing Pressure Buildup
-0.0 psi
2.00 min

Gas/Liquid Interface Pressure
2.1 psi (g)

Liquid Level Depth
3685.91 ft

Pump Intake Depth
4732.00 ft

Formation Depth
4288.00 ft

Producing

Annular Gas Flow
0 Mscf/D

% Liquid
100 %

Pump Intake
355.9 psi (g)

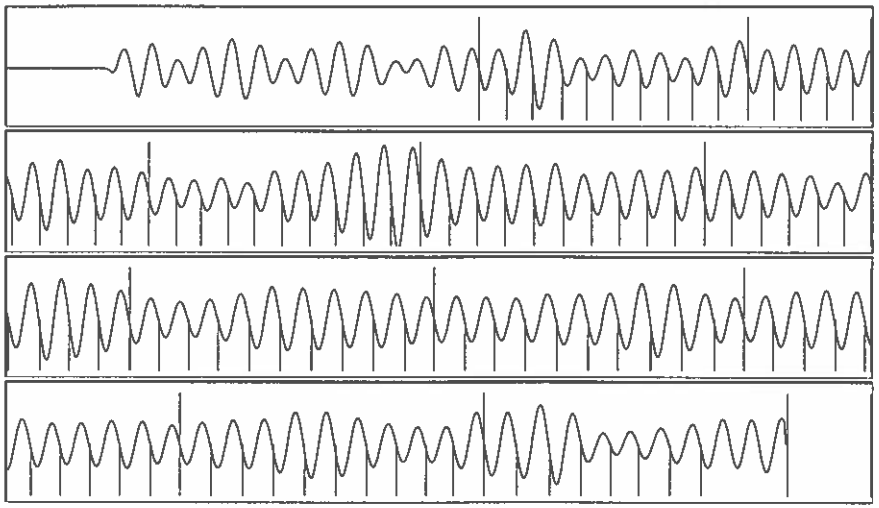
Producing BHP
207.8 psi (g)

Static BHP
- * - psi (g)

Formation Submergence		
Total Gaseous Liquid Column HT (TVD)	1046	ft
Equivalent Gas Free Liquid HT (TVD)	1046	ft

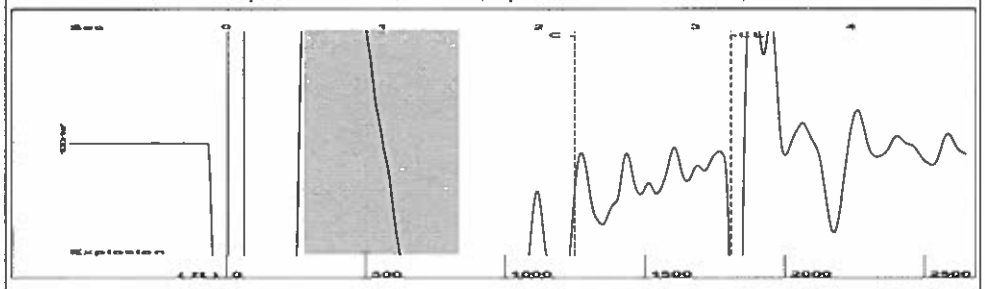
Acoustic Test

Group: Route 2 Well: Bailey C-1 (acquired on: 05/02/19 12:15:36)



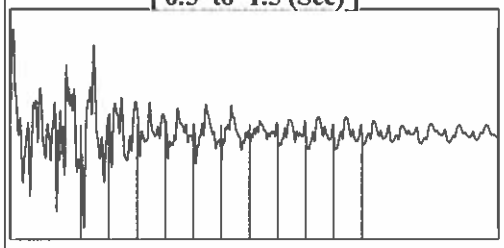
Acoustic Velocity	944.38	ft/s	Joints counted	97	
Joints Per Second	14.8956	jts/sec	Joints to liquid level	116.275	
Depth to liquid level	3685.91	ft	Filter Width	11.8889	15.8889
Automatic Collar Count	Yes		Time to 1st Collar	1.092	7.604

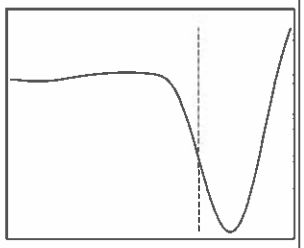
Group: Route 8 Well: ward f-2 (acquired on: 05/02/19 09:21:26)



Filter Type	High Pass		Automatic Collar Count	Yes	Time	3.232	sec
Manual Acoustic Veloc	1098.79	ft/s	Manual JTS/sec	17.331	Joints	57.0161	Jts
					Depth	1807.41	ft

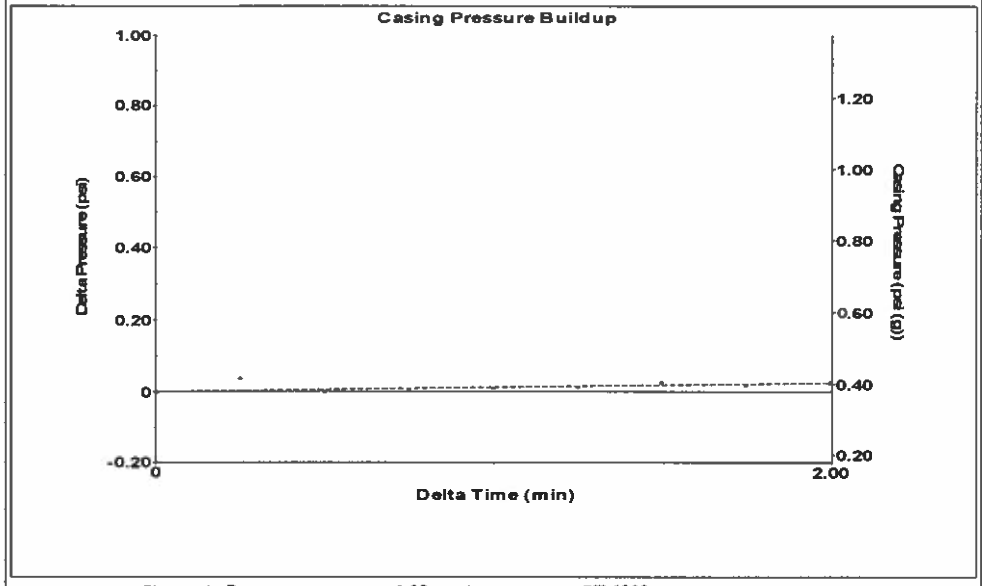
[0.5 to 1.5 (Sec)]





Analysis Method: Automatic

Group: Route 8 Well: ward f-2 (acquired on: 05/02/19 09:21:26)



Change in Pressure	0.02	psi	PT 6902		
			Range	0 - ?	psi
Change in Time	2.00	min			

Group: Route 8 Well: ward f-2 (acquired on: 05/02/19 09:21:26)

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 1118.45 ft/s

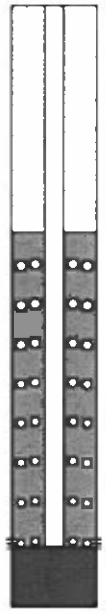
Formation Submergence
Total Gaseous Liquid Column HT (TVD) 3424 ft
Equivalent Gas Free Liquid HT (TVD) 3424 ft

Acoustic Test

Casing Pressure
0.4 psi (g)
Casing Pressure Buildup
0.0 psi
2.00 min
Gas/Liquid Interface Pressure
1.2 psi (g)

Liquid Level Depth
1807.41 ft

Pump Intake Depth
5231.00 ft
Formation Depth
5194.00 ft

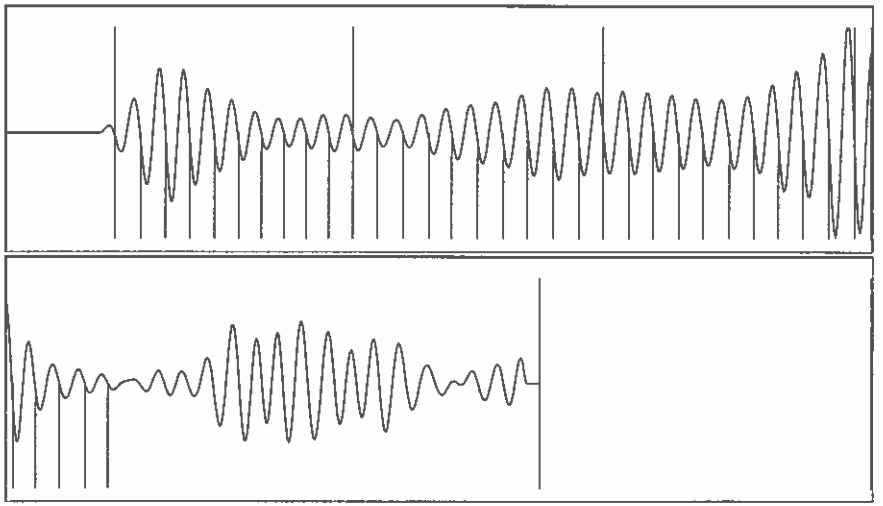


Producing

Annular
Gas Flow
0 Mscf/D
% Liquid
100 %

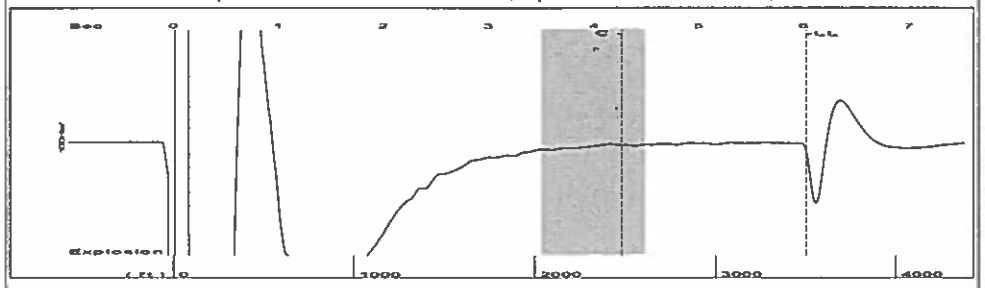
Pump Intake
1117.8 psi (g)
Producing BHP
1106.6 psi (g)
Static BHP
- * - psi (g)

Group: Route 8 Well: ward f-2 (acquired on: 05/02/19 09:21:26)



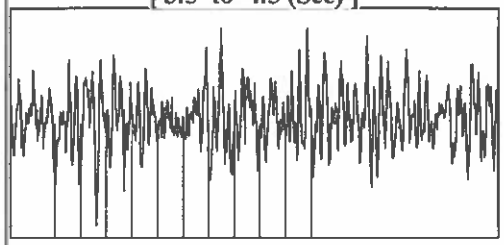
Acoustic Velocity	1118.45	ft/s	Joints counted	35	
Joints Per Second	17.6411	jts/sec	Joints to liquid level	57.0161	
Depth to liquid level	1807.41	ft	Filter Width	15.331	19.331
Automatic Collar Count	Yes		Time to 1st Collar	0.252	2.236

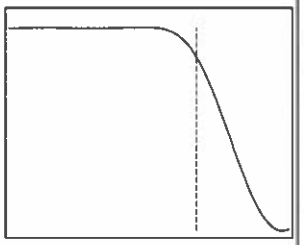
Group: Route 2 Well: Henselmann A3 (acquired on: 05/02/19 12:28:33)



Filter Type	High Pass	Automatic Collar Count	Yes	Time	6.022	sec
Manual Acoustic Veloc	1203.04	ft/s	Manual JTS/sec	18.9753	Joints	110.466	Jts
					Depth	3501.79	ft

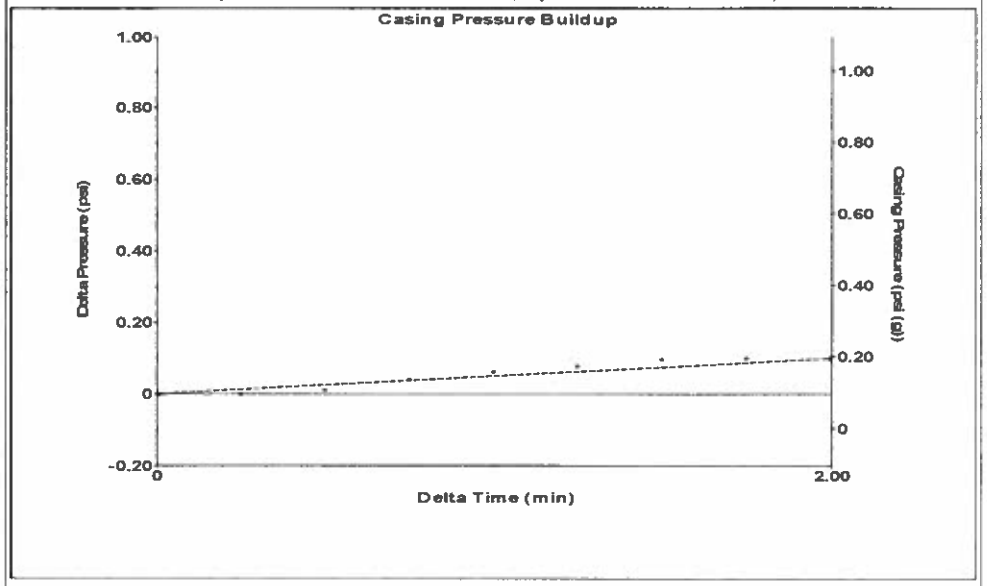
[3.5 to 4.5 (Sec)]





Analysis Method: Automatic

Group: Route 2 Well: Henselmann A3 (acquired on: 05/02/19 12:28:33)



Change in Pressure	0.10	psi	PT 6902 Range	0 - ?	psi
Change in Time	2.00	min			

Group: Route 2 Well: Henselmann A3 (acquired on: 05/02/19 12:28:33)

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	0.83	Sp.Gr.AIR

Acoustic Velocity 1163 ft/s

Casing Pressure
0.1 psi (g)
Casing Pressure Buildup
0.1 psi
2.00 min
Gas/Liquid Interface Pressure
1.6 psi (g)
Liquid Level Depth
3501.79 ft
Pump Intake Depth
4800.00 ft
Formation Depth
5000.00 ft

Producing

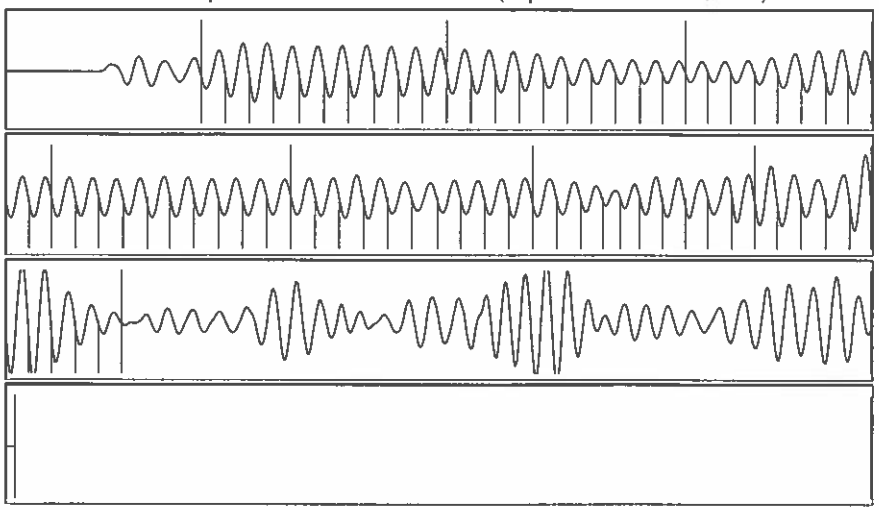
Annular Gas Flow
2 Mscf/D
% Liquid
93 %

Pump Intake
409.2 psi (g)
Producing BHP
495.9 psi (g)
Static BHP
- * - psi (g)

Formation Submergence		
Total Gaseous Liquid Column HT (TVD)	1298	ft
Equivalent Gas Free Liquid HT (TVD)	1208	ft

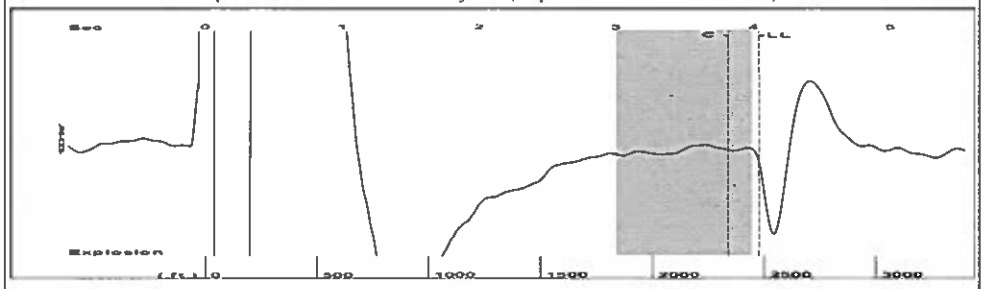
Acoustic Test

Group: Route 2 Well: Henselmann A3 (acquired on: 05/02/19 12:28:33)



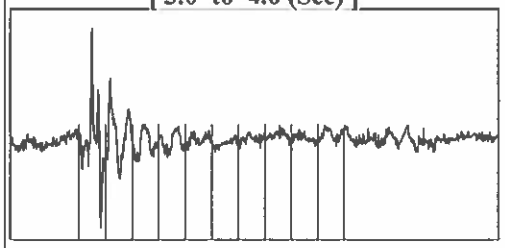
Acoustic Velocity	1163	ft/s	Joints counted	70	
Joints Per Second	18.3438	jts/sec	Joints to liquid level	110.466	
Depth to liquid level	3501.79	ft	Filter Width	16.9753	20.9753
Automatic Collar Count	Yes		Time to 1st Collar	0.448	4.264

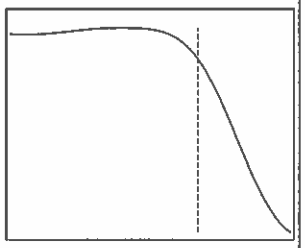
Group: Route 4 Well: Garden City K-3 (acquired on: 05/02/19 12:59:26)



Filter Type	High Pass		Automatic Collar Count	Yes	Time	4.039	sec
Manual Acoustic Veloc	1165.44	ft/s	Manual JTS/sec	18.3824	Joints	78.1085	Jts
					Depth	2476.04	ft

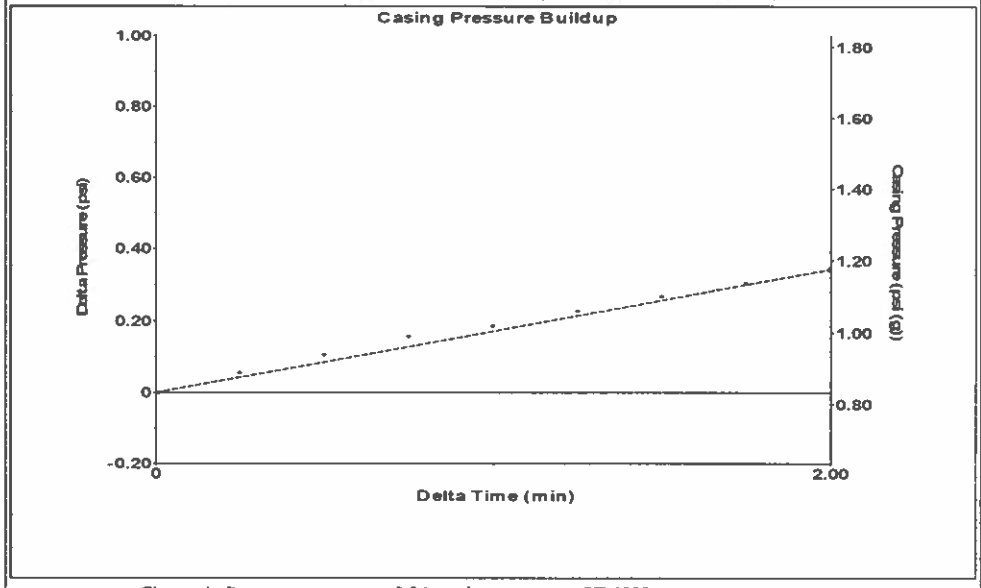
[3.0 to 4.0 (Sec)]





Analysis Method: Automatic

Group: Route 4 Well: Garden City K-3 (acquired on: 05/02/19 12:59:26)



Change in Pressure	0.34	psi	PT 6902		
			Range	0 - ?	psi
Change in Time	2.00	min			

Group: Route 4 Well: Garden City K-3 (acquired on: 05/02/19 12:59:26)

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	0.78	Sp.Gr.AIR

Acoustic Velocity 1226.07 ft/s

Casing Pressure
0.8 psi (g)
Casing Pressure Buildup
0.3 psi
2.00 min
Gas/Liquid Interface Pressure
1.9 psi (g)

Liquid Level Depth
2476.04 ft

Pump Intake Depth
2882.00 ft
Formation Depth
2457.00 ft

Producing

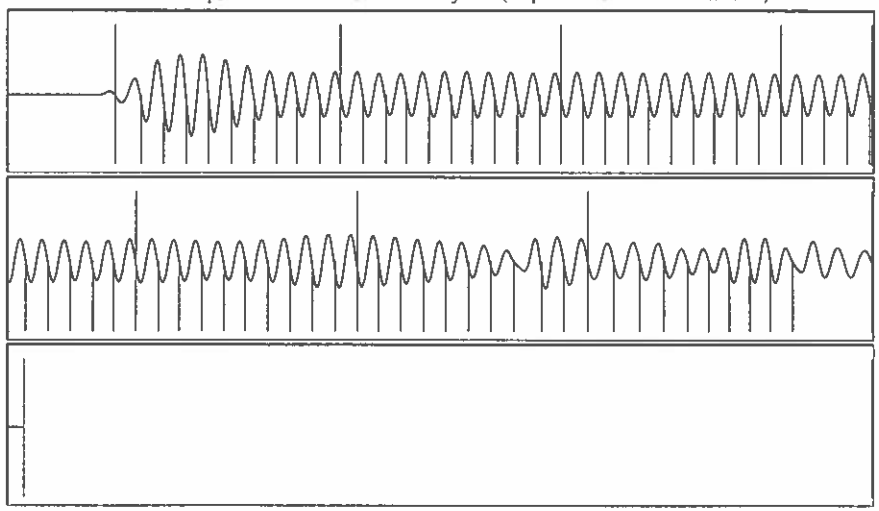
Annular Gas Flow
2 Mscf/D
% Liquid
100 %

Pump Intake
139.3 psi (g)
Producing BHP
1.8 psi (g)
Static BHP
- * - psi (g)

Formation Submergence		
Total Gaseous Liquid Column HT (TVD)	406	ft
Equivalent Gas Free Liquid HT (TVD)	406	ft

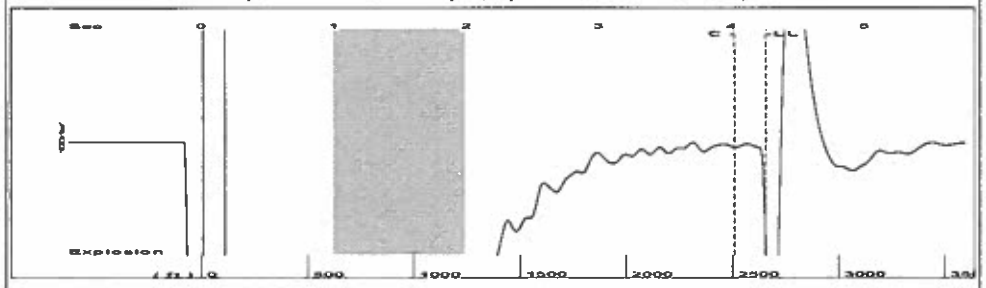
Acoustic Test

Group: Route 4 Well: Garden City K-3 (acquired on: 05/02/19 12:59:26)



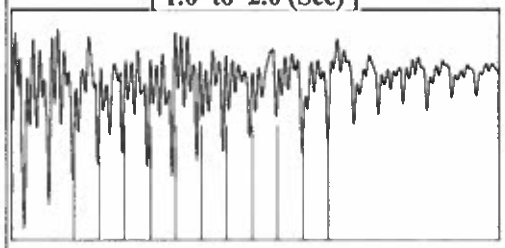
Acoustic Velocity	1226.07	ft/s	Joints counted	69	
Joints Per Second	19.3386	jts/sec	Joints to liquid level	78.1085	
Depth to liquid level	2476.04	ft	Filter Width	16.3824	20.3824
Automatic Collar Count	Yes		Time to 1st Collar	0.248	3.816

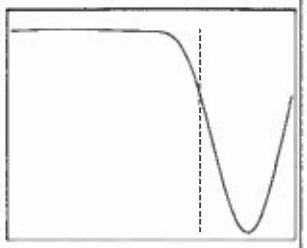
Group: TA'D Well: mowbray 2 (acquired on: 05/02/19 08:42:49)



Filter Type	High Pass		Automatic Collar Count	Yes	Time	4.261	sec
Manual Acoustic Veloc	1214.56	ft/s	Manual JTS/sec	19.1571	Joints	83.771	Jts
					Depth	2655.54	ft

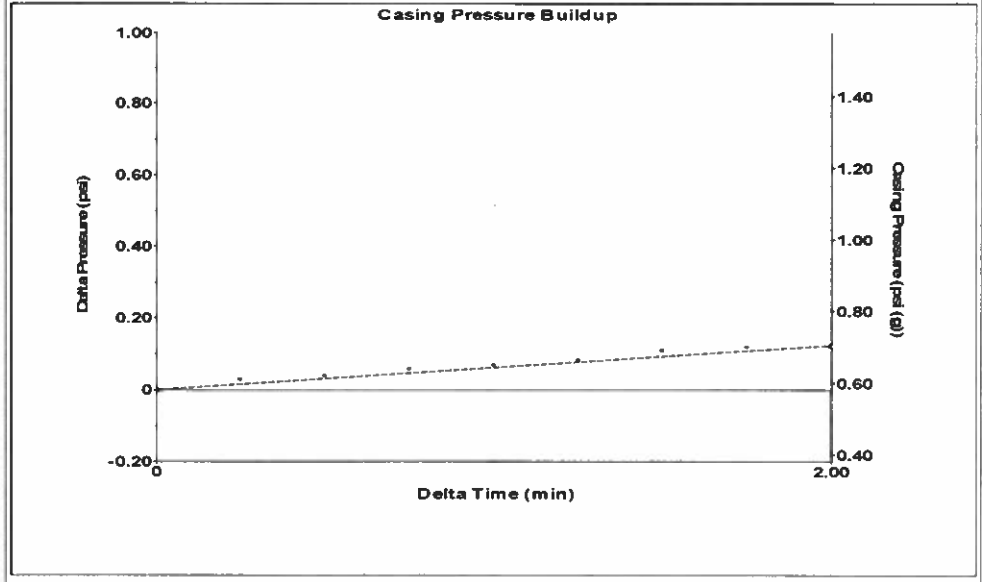
[1.0 to 2.0 (Sec)]





Analysis Method: Automatic

Group: TA'D Well: mowbray 2 (acquired on: 05/02/19 08:42:49)



Change in Pressure	0.12	psi	PT 6902		
			Range	0 - ?	psi
Change in Time	2.00	min			

Group: TA'D Well: mowbray 2 (acquired on: 05/02/19 08:42:49)

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	0.76	Sp.Gr.AIR
Acoustic Velocity	1246.44	ft/s

Casing Pressure
0.6 psi (g)
Casing Pressure Buildup
0.1 psi
2.00 min
Gas/Liquid Interface Pressure
1.6 psi (g)
Liquid Level Depth
2655.54 ft
Pump Intake Depth
2893.00 ft
Formation Depth
2700.00 ft

Producing

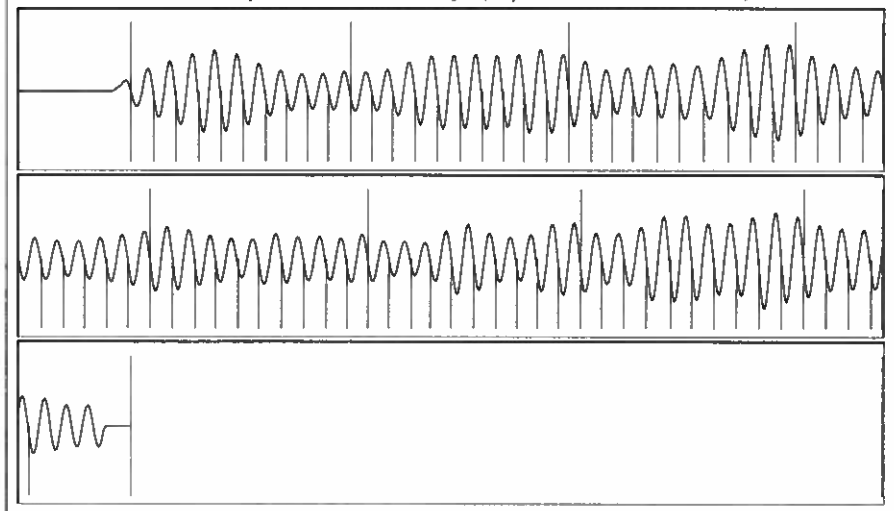
Annular Gas Flow
1 Mscf/D
% Liquid
94 %

Pump Intake
81.0 psi (g)
Producing BHP
15.8 psi (g)
Static BHP
- * - psi (g)

Formation Submergence		
Total Gaseous Liquid Column HT (TVD)	237	ft
Equivalent Gas Free Liquid HT (TVD)	235	ft

Acoustic Test

Group: TA'D Well: mowbray 2 (acquired on: 05/02/19 08:42:49)



Acoustic Velocity	1246.44	ft/s	Joints counted	74	
Joints Per Second	19.6599	jts/sec	Joints to liquid level	83.771	
Depth to liquid level	2655.54	ft	Filter Width	17.1571	21.1571
Automatic Collar Count	Yes		Time to 1st Collar	0.26	4.024

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/

Dwight D. Keen, Chair
Shari Feist Albrecht, Commissioner
Susan K. Duffy, Commissioner

Laura Kelly, Governor

June 11, 2019

Katherine McClurkan
Merit Energy Company, LLC
13727 Noel Road, Suite 1200
Dallas, TX 75240-7362

Re: Temporary Abandonment
API 15-081-21437-00-01
WARD F 2
NE/4 Sec.30-27S-33W
Haskell 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 06/11/2020.

* 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 06/11/2020.

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

Very truly yours,

Michael Maier"