KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1264747

Form CP-111
June 2011
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 RD STE 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: Nick Pool
Field Contact Person Phone: (620) 655-3705

API No. 15- 15-055-21584-00-01
Spot Description:
__ - SW - NW - SW Sec. 23 Twp. 23 S. R. 34 ☐ E ☑ W
1650 feet from ☐ N / ☑ S Line of Section
4950 feet from ☑ E / ☐ W Line of Section
GPS Location: Lat: _____ (e.g. xx.xxxxx) , Long: _____ (e.g. -xxx.xxxxx)
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Finney Elevation: _____ ☐ GL ☐ KB
Lease Name: SEQUOYAH MORROW UNIT Well #: 104S
Well Type: *(check one)* ☐ Oil ☐ Gas ☐ OG ☑ WSW ☐ Other: _____
☐ SWD Permit #: _____ ☐ ENHR Permit #: _____
☐ Gas Storage Permit #: _____
Spud Date: 10/04/1997 Date Shut-In: 06/26/2013

	Conductor	Surface	Production	Intermediate	Liner	Tubing
Size	N/A	8.625	5.5	N/A	N/A	2.375
Setting Depth		1753	4838			3541
Amount of Cement		560	190			N/A
Top of Cement		0	1920			N/A
Bottom of Cement		1753	4838			N/A

Casing Fluid Level from Surface: 1922 How Determined? Echometer Date: 9/21/2015
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: 3023 (depth) w / 240 sacks of cement ☐ Port Collar: _____ (depth) w / _____ sack of cement
Packer Type: _____ Size: _____ Inch Set at: _____ Feet
Total Depth: 4850 Plug Back Depth: 3672 Plug Back Method: CIBP + 2 sx cmt

Geological Date:

Formation Name	Formation Top	Formation Base	Completion Information
1. Lansing	At:	to Feet	Perforation Interval 3630 to 3656 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

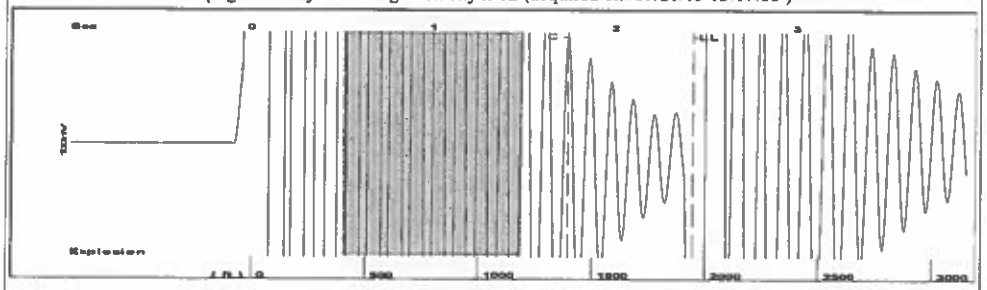
***Do NOT Write in This Space* - KCC USE ONLY**	Date Tested:	Results:	Date Plugged:	Date Repaired:	Date Put Back in Service:

Review Completed by: Michael Maier Comments: _____
TA Approved: ☑ Yes ☐ Denied Date: 09/22/2015

Mail to the Appropriate KCC Conservation Office:

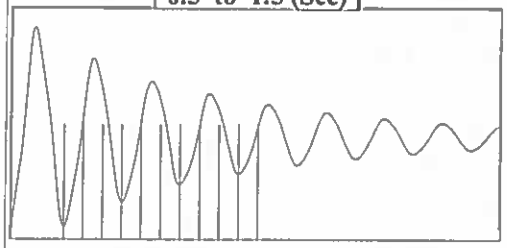
KCC District Office #1 - 210 E. Frontview, Suite A, Dodge City, KS 67801	Phone 620.225.8888
KCC District Office #2 / UPGS - 3450 N. Rock Road, Building 600, Suite 601, Wichita, KS 67226	Phone 316.630.4000
KCC District Office #3 - 1500 SW Seventh Steet, Chanute, KS 66720	Phone 620.432.2300
KCC District Office #4 - 2301 E. 13th Street, Hays, KS 67601-2651	Phone 785.625.0550

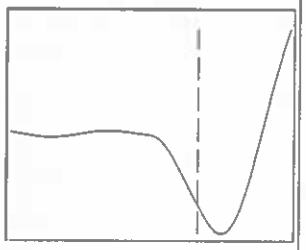
Group: garden city Well: garden city h-12 (acquired on: 09/21/15 13:17:06)



Filter Type	High Pass	Automatic Collar Count	Yes	Time	2.43 sec
Manual Acoustic Veloc	1596.98 ft/s	Manual JTS/sec	25.1889	Joints	61.4139 Jts
				Depth	1946.82 ft

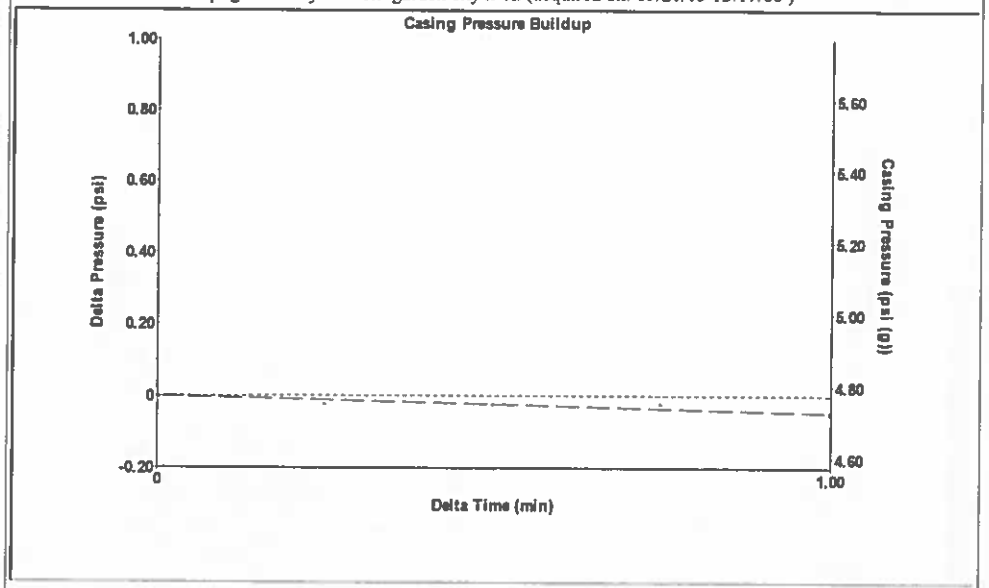
[0.5 to 1.5 (Sec)]





Analysis Method: Automatic

Group: garden city Well: garden city h-12 (acquired on: 09/21/15 13:17:06)



Change in Pressure	-0.05 psi	PT8746 Range	0 - ? psi
Change in Time	1.00 min		

Group: garden city Well: garden city h-12 (acquired on: 09/21/15 13:17:06)

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 0.55 Sp.Gr.AIR

Acoustic Velocity 1602.32 ft/s

Casing Pressure
4.8 psi (g)
Casing Pressure Buildup
-0.048 psi
1.00 min
Gas/Liquid Interface Pressure
5.5 psi (g)

Liquid Level Depth
1946.82 ft

Pump Intake Depth
0.00 ft
Formation Depth
3842.00 ft

Producing

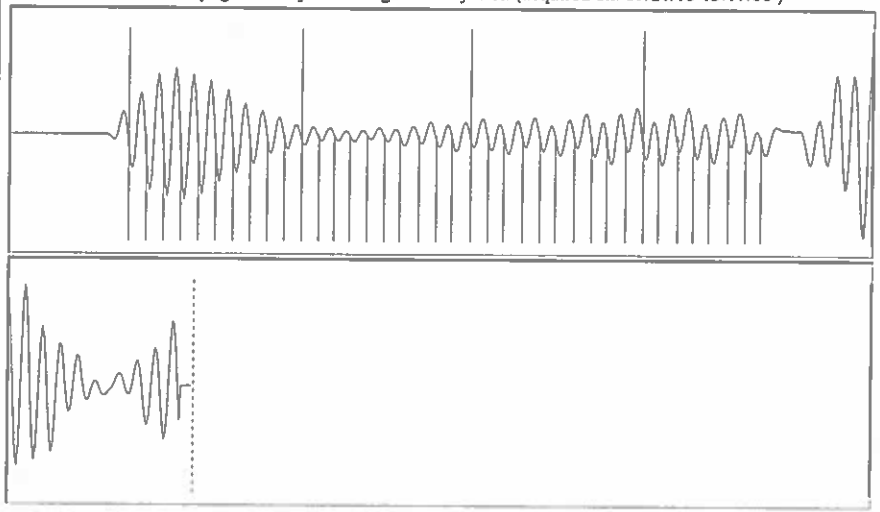
Annular Gas Flow
- * - Mscf/D
% Liquid
100 %

Pump Intake
- * - psi (g)
Producing BHP
867.1 psi (g)
Static BHP
- * - psi (g)

Formation Submergence
Total Gaseous Liquid Column HT (TVD) 1895 ft
Equivalent Gas Free Liquid HT (TVD) 1895 ft

Acoustic Test

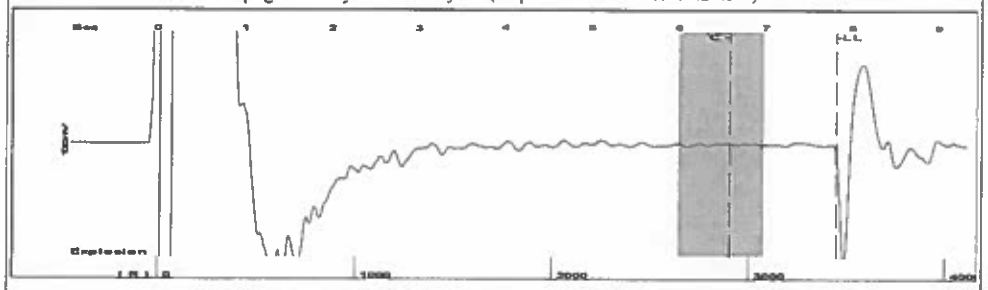
Group: garden city Well: garden city h-12 (acquired on: 09/21/15 13:17:06)



25.27

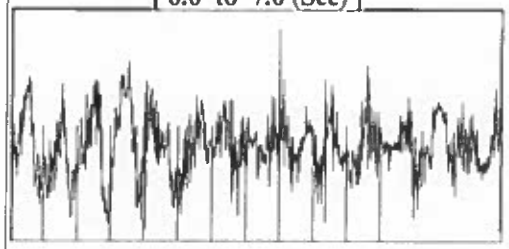
Acoustic Velocity	1602.32	ft/s	Joints counted	37	
Joints Per Second	25.2732	jts/sec	Joints to liquid level	61.4139	
Depth to liquid level	1946.82	ft	Filter Width	23.1889	27.1889
Automatic Collar Count	Yes		Time to 1st Collar	0.276	1.74

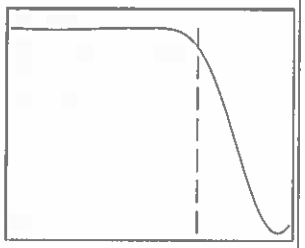
Group: garden city Well: frey f-2 (acquired on: 09/21/15 10:29:56)



Filter Type	High Pass	Automatic Collar Count	Yes	Time	7.82	sec
Manual Acoustic Veloc	920.174 ft/s	Manual JTS/sec	14.5138	Joints	108.758	Jts
				Depth	3447.64	ft

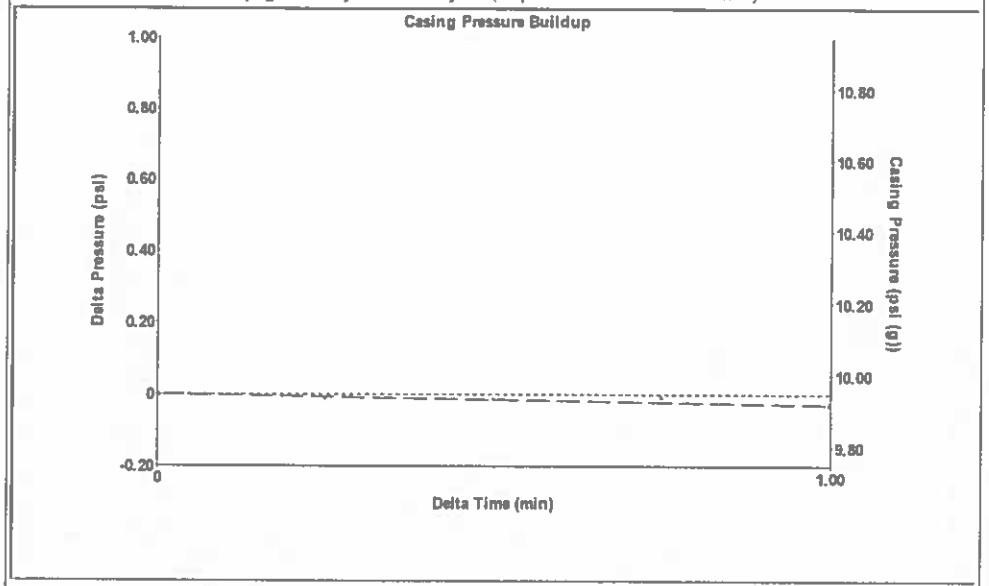
[6.0 to 7.0 (Sec)]





Analysis Method: Automatic

Group: garden city Well: frey f-2 (acquired on: 09/21/15 10:29:56)



Change in Pressure	-0.03	psi	PT8746		
			Range	0 - ?	psi
Change in Time	1.00	min			

Group: garden city Well: frey f-2 (acquired on: 09/21/15 10:29:56)

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	1.09	Sp.Gr.AIR

Acoustic Velocity 881.75 ft/s

Formation Submergence

Total Gaseous Liquid Column HT (TVD)	1236	ft
Equivalent Gas Free Liquid HT (TVD)	1236	ft

Acoustic Test

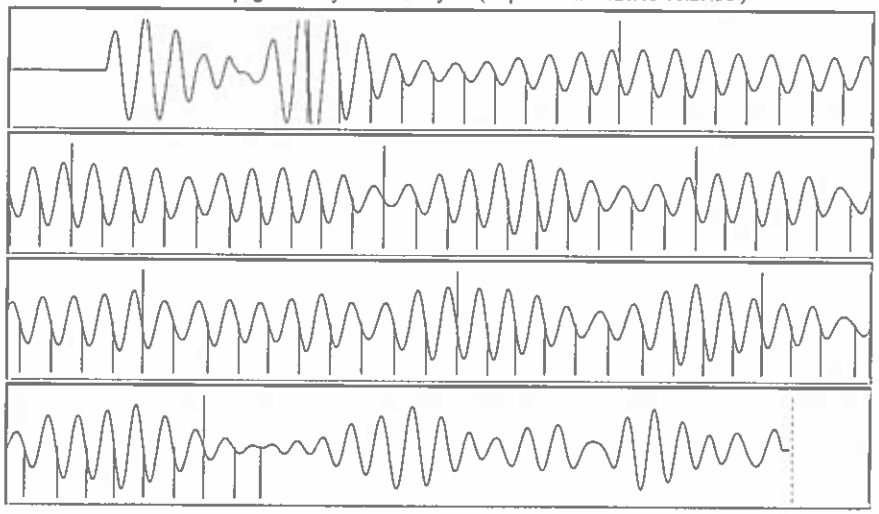
Casing Pressure
9.9 psi (g)
Casing Pressure Buildup
-0.029 psi
1.00 min
Gas/Liquid Interface Pressure
13.3 psi (g)
Liquid Level Depth
3447.64 ft
Pump Intake Depth
4684.00 ft
Formation Depth
4622.00 ft

Producing

Annular Gas Flow
0 Mscf/D
% Liquid
100 %

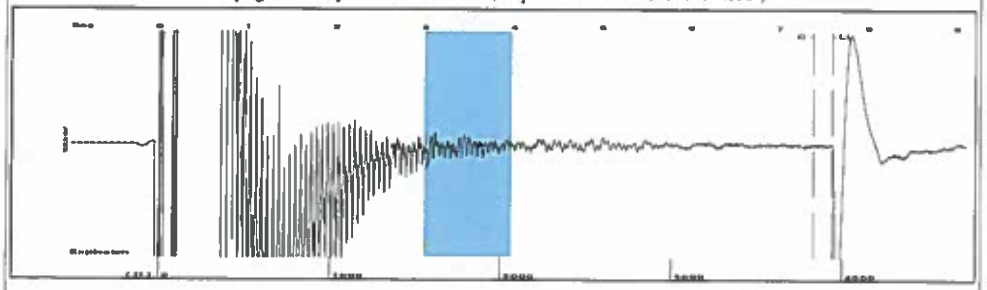
Pump Intake
430.7 psi (g)
Producing BHP
410.4 psi (g)
Static BHP
- * - psi (g)

Group: garden city Well: frey f-2 (acquired on: 09/21/15 10:29:56)



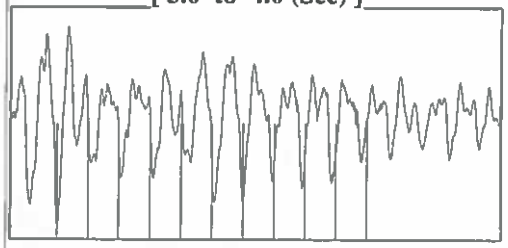
Acoustic Velocity	881.75	ft/s	Joints counted	82	
Joints Per Second	13.9077	jts/sec	Joints to liquid level	108.758	
Depth to liquid level	3447.64	ft	Filter Width	12.5138	16.5138
Automatic Collar Count	Yes		Time to 1st Collar	0.692	6.588

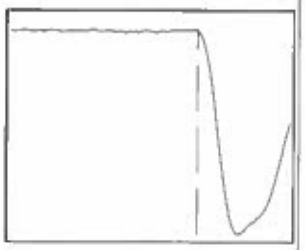
Group: garden city Well: bcu 305 (acquired on: 09/21/15 10:04:08)



Filter Type	High Pass		Automatic Collar Count	Yes	Time	7.598	sec
Manual Acoustic Velo	1003.16	ft/s	Manual JTS/sec	15.8228	Joints	124.417	Jts
					Depth	3944.01	ft

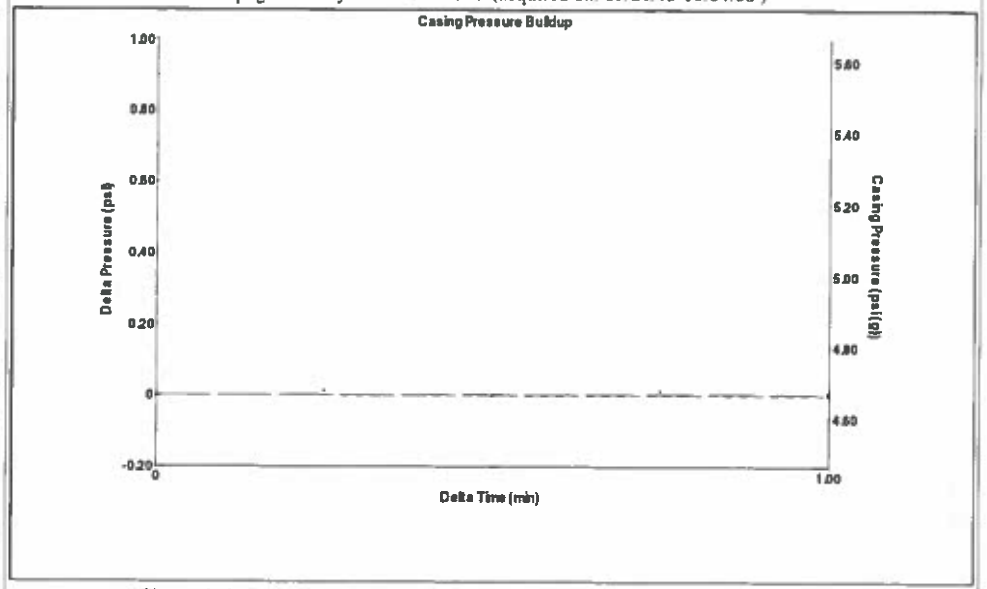
[3.0 to 4.0 (Sec)]





Analysis Method: Automatic

Group: garden city Well: bcu 305 (acquired on: 09/21/15 10:04:08)



Change in Pressure	0.00	psi	PT8746		
			Range	0 - ?	psi
Change in Time	1.00	min			

Group: garden city Well: bcu 305 (acquired on: 09/21/15 10:04:08)

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	0.94	Sp.Gr.AIR
Acoustic Velocity	1038.17	ft/s

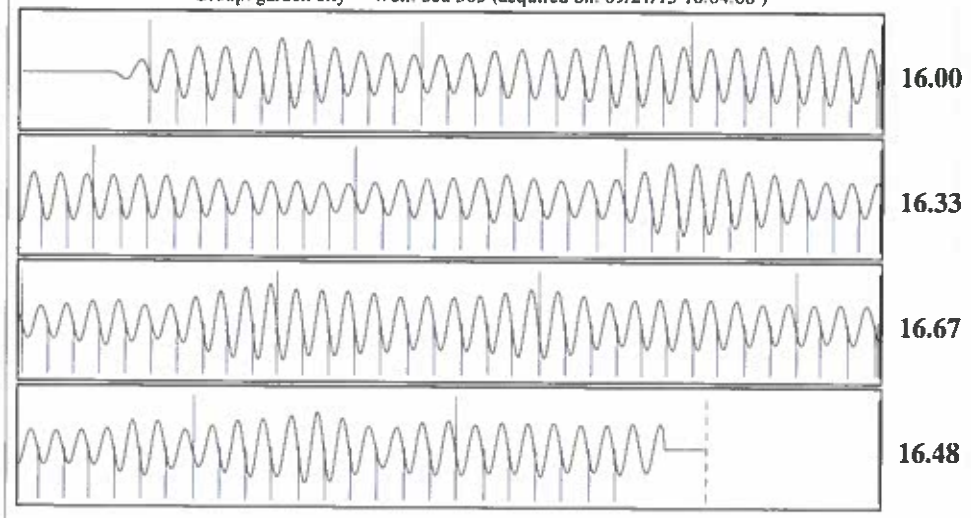
Casing Pressure	4.7 psi (g)
Casing Pressure Buildup	0.004 psi
	1.00 min
Gas/Liquid Interface Pressure	7.3 psi (g)
Liquid Level Depth	3944.01 ft
Pump Intake Depth	4378.00 ft
Formation Depth	5298.00 ft

Producing	
Annular Gas Flow	0 Mscf/D
% Liquid	100 %
Pump Intake	156.2 psi (g)
Producing BHP	574.5 psi (g)
Static BHP	- * - psi (g)

Formation Submergence		
Total Gaseous Liquid Column HT (TVD)	434	ft
Equivalent Gas Free Liquid HT (TVD)	434	ft

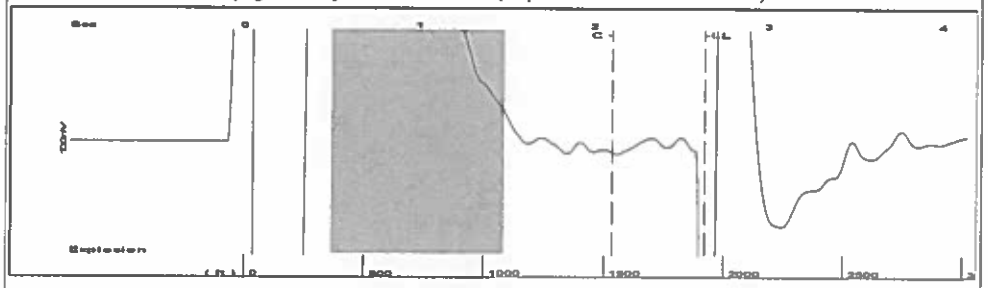
Acoustic Test

Group: garden city Well: bcu 305 (acquired on: 09/21/15 10:04:08)



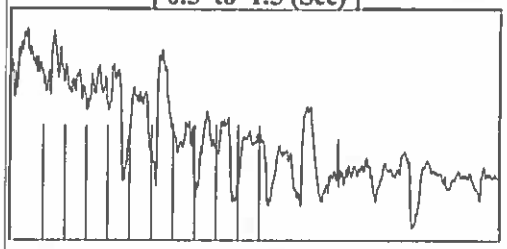
Acoustic Velocity	1038.17	ft/s	Joints counted	116	
Joints Per Second	16.3749	jts/sec	Joints to liquid level	124.417	
Depth to liquid level	3944.01	ft	Filter Width	13.8228	17.8228
Automatic Collar Count	Yes		Time to 1st Collar	0.3	7.384

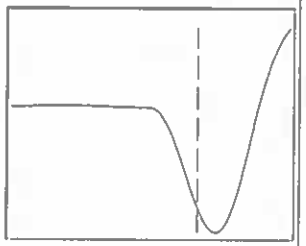
Group: garden city Well: smu 104s (acquired on: 09/21/15 13:30:35)



Filter Type	High Pass		Automatic Collar Count	Yes	Time	2.636	sec
Manual Acoustic Veloc	1434.39	ft/s	Manual JTS/sec	22.6244	Joints	60.6442	Jts
					Depth	1922.42	ft

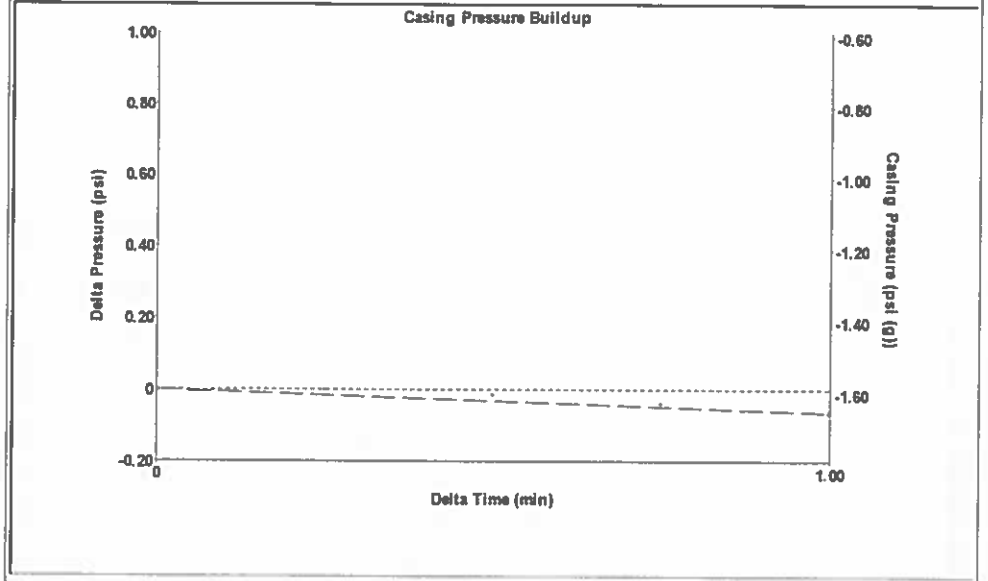
[0.5 to 1.5 (Sec)]





Analysis Method: Automatic

Group: garden city Well: smu 104s (acquired on: 09/21/15 13:30:35)



Change in Pressure	-0.06	psi	PT8746		
			Range	0 - ?	psi
Change in Time	1.00	min			

Group: garden city Well: smu 104s (acquired on: 09/21/15 13:30:35)

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	0.55	Sp.Gr.AIR
Acoustic Velocity	1458.59	ft/s

Casing Pressure	-1.6 psi (g)
Casing Pressure Buildup	-0.064 psi
	1.00 min
Gas/Liquid Interface Pressure	-1.1 psi (g)
Liquid Level Depth	1922.42 ft
Pump Intake Depth	0.00 ft
Formation Depth	3630.00 ft

Producing

Annular Gas Flow - * - Mscf/D

% Liquid 100 %

Pump Intake - * - psi (g)

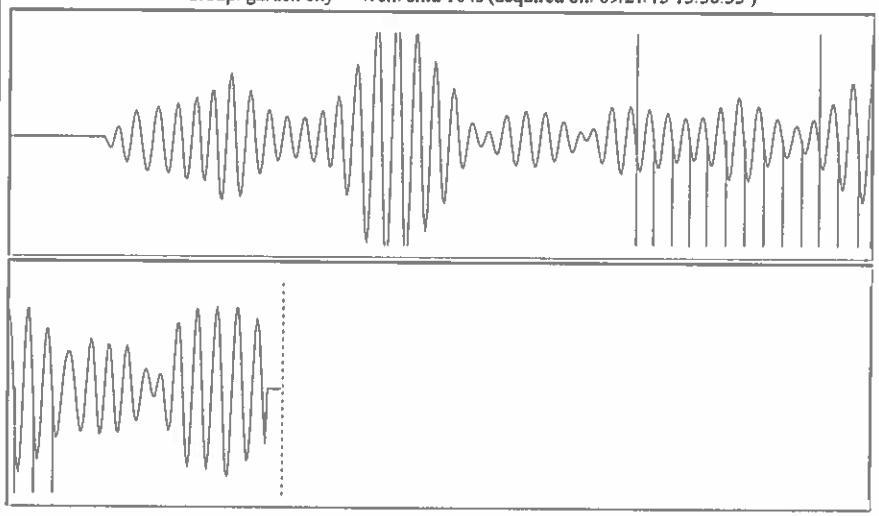
Producing BHP 775.2 psi (g)

Static BHP - * - psi (g)

Formation Submergence		
Total Gaseous Liquid Column HT (TVD)	1708	ft
Equivalent Gas Free Liquid HT (TVD)	1708	ft

Acoustic Test

Group: garden city Well: smu 104s (acquired on: 09/21/15 13:30:35)



23.26

22.06

Acoustic Velocity	1458.59	ft/s	Joints counted	15	
Joints Per Second	23.0061	jts/sec	Joints to liquid level	60.6442	
Depth to liquid level	1922.42	ft	Filter Width	20.6244	24.6244
Automatic Collar Count	Yes		Time to 1st Collar	1.452	2.104

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

Kansas
Corporation Commission

Phone: 620-225-8888
Fax: 620-225-8885
http://kcc.ks.gov/

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

September 22, 2015

Katherine McClurkan
Merit Energy Company, LLC
13727 NOEL RD STE 1200
DALLAS, TX 75240

Re: Temporary Abandonment
API 15-055-21584-00-01
SEQUOYAH MORROW UNIT 104S
SW/4 Sec.23-23S-34W
Finney 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 09/22/2016.

* 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 09/22/2016.

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

Very truly yours,

Michael Maier"