KOLAR Document ID: 1867007

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form U-7
August 2019

CASING MECHANICAL INTEGRITY TEST

Disposal: ☑ Enhanced Recovery: ☐ KCC District No.: 2

Operator License No.: 4706 Name: Messenger Petroleum, Inc.

Address 1: 525 S MAIN ST

Address 2:

City: KINGMAN State: KS Zip: 67068 + 1968

Contact Person: Jon Messenger Phone: (620) 532-5400

API No.: 15-077-21549-00-00 Permit No.: D28720.0

_ - SW - SW - NE Sec. 35 Twp. 32 S. R. 8 ☐ East ☑ West

3051 Feet from ☐ North / ☑ South Line of Section

2069 Feet from ☑ East / ☐ West Line of Section

Lease: CALVERT Well No.: C-1

County: Harper

Well Construction Details: ☐ New well ☐ Existing well with changes to construction ☑ Existing well with no changes to construcion

Maximum Authorized Injection Pressure: 0 psi Maximum Injection Rate: 3000 bbl/d

	Conductor	*Surface*	*Intermediate*	*Production*	*Liner*	*Tubing*
Size:	NA	8.625	NA	5.5	NA	2.375
Set at:		222		5044		5030
Sacks of Cement:		200		125		Type: Seal-Tite
Cement Top:		0		4380		
Cement Bottom:		222		5044		

Packer Type: Mod R Set at: 5030

☐ DV Tool ☐ Port Collar Depth of: ___ feet with ___ sacks of cement TD (and plug back): 5114 feet depth

Zone of Injection Formation: ARBUCKLE Top Feet: 5044 Bottom Feet: 5114 Perf. or Open Hole: Open

Is there a Chemical Sealant or a Mechanical Casing patch in the annular space? ☐ Yes ☑ No

If Dual Completion - Injection is: ☐ Above Production ☑ Below Production

FIELD DATA

GPS Location: Datum: ☑ NAD27 ☐ NAD83 ☐ WGS84 Lat: 37.21825 Long: -98.1549 Date Acquired: 08/04/2006

MIT Type: Dual Completion Test MIT Reason: 1-YEAR TEST

Time in Minute(s):	0	15	30			
Pressures: Set up 1	578	578	578			
Set up 2						
Set up 3						

Tested: ☐ Casing ☑ or Casing - Tubing Annulus System Pressure during test: 0 Bbls. to load annulus: 0

Test Date: 10/22/2025 Using: MPI Company's Equipment

The zone tested for this well is between 0 feet and 5030 feet.

The test results were verified by operator's representative:

Name: Jon F. Messenger Title: President Phone: (620) 532-6047

KCC Office Use Only

The results were:

☑ Satisfactory

☐ Not Satisfactory

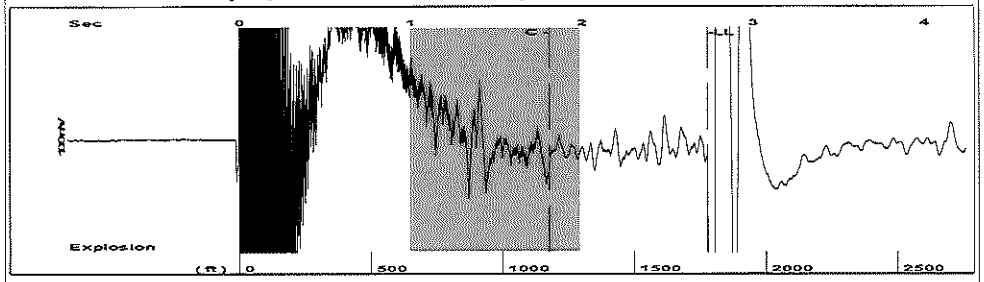
Next MIT: 10/22/2026

State Agent: Neil Lake Title: E.C.R.S. Witness: ☑ Yes ☐ No

Remarks:

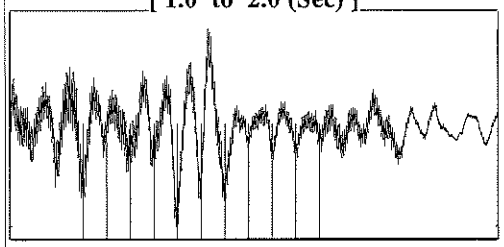
Gas pressure on backside held adequately without fluctuation for duration of test. Operator relieved some pressure off of backside to show PSI gauge is functioning properly. Fluid level document is attached to U7 form. FL 1777'

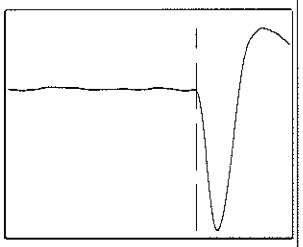
Group: MyWells Well: Calvert #1 (acquired on: 10/22/25 13:08:25)



Filter Type	High Pass	Automatic Collar Count	Yes	Time	2.734 sec
Manual Acoustic Velo	1307.22 ft/s	Manual JTS/sec	20.6186	Joints	56.0684 Jts
				Depth	1777.37 ft

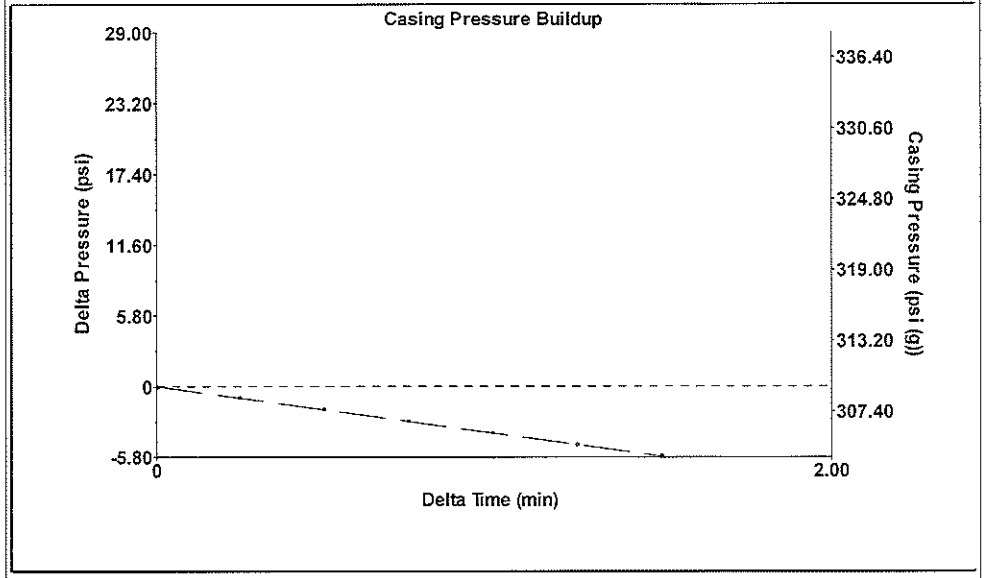
[1.0 to 2.0 (Sec)]





Analysis Method: Automatic

Group: MyWells Well: Calvert #1 (acquired on: 10/22/25 13:08:25)



Change in Pressure	-5.76 psi			PT4091	
				Range	0 - ? psi
Change in Time	1.50 min				

Group: MyWells Well: Calvert #1 (acquired on: 10/22/25 13:08:25)

Production	Current	Potential	
Oil	0	-*-	BBL/D
Water	45	-*-	BBL/D
Gas	30.0	-*-	Mscf/D

IPR Method	Vogel
PBHP/SBHP	-*-
Production Efficiency	0.0

Oil	40	deg.API
Water	1.05	Sp.Gr.H2O
Gas	0.65	Sp.Gr.AIR

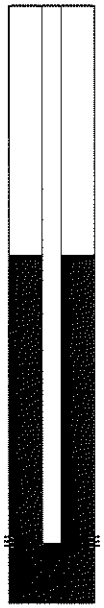
Acoustic Velocity 1300.2 ft/s

Formation Submergence

Total Gaseous Liquid Column HT (TVD)	2703	ft
Equivalent Gas Free Liquid HT (TVD)	2703	ft

Acoustic Test

Casing Pressure
309.4 psi (g)
Casing Pressure Buildup
-5.761 psi
1.50 min
Gas/Liquid Interface Pressure
323.4 psi (g)
Liquid Level Depth
1777.37 ft
Pump Intake Depth
4480.00 ft
Formation Depth
4460.00 ft

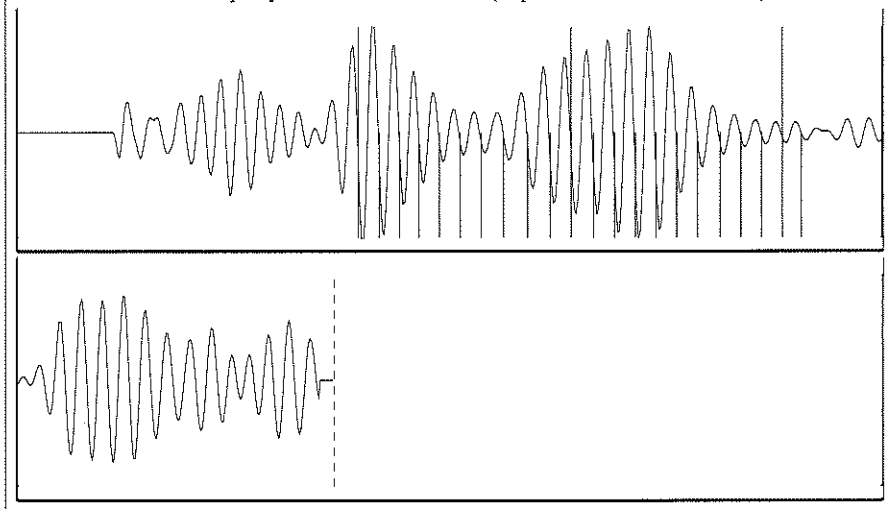


Producing

Annular Gas Flow
0 Mscf/D
% Liquid
100 %

Pump Intake
1552.2 psi (g)
Producing BHP
1543.1 psi (g)
Static BHP
0.0 psi (g)

Group: MyWells Well: Calvert #1 (acquired on: 10/22/25 13:08:25)



20.51

Acoustic Velocity	1300.2	ft/s	Joints counted	21	
Joints Per Second	20.5078	jts/sec	Joints to liquid level	56.0684	
Depth to liquid level	1777.37	ft	Filter Width	18.6186	22.6186
Automatic Collar Count	Yes		Time to 1st Collar	0.788	1.812