

ALT ☐ I ☐ II ☐ III Approved by: _____ Date: _____

Form	ACO1 - Well Completion
Operator	L & A Energy LP
Well Name	EARL GRAY LAI-18
Doc ID	1855154

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	28	20	Portland	3	NA
Production	5.875	2.875	6.5	994	Econobond	103	See Ticket

TDR Construction, Inc.
(913) 710-5400
Wellsville, KS

Well Information				Casing	
L & A Energy LP				Surface	Production
Earl Gray LA I-18				Size:	8.625" 2 7/8
API#		Sec/Twp/Rge	19/26/17	Depth:	20 FT 1020
County:	Woodson	Commenced Spuding:	06/21/2022	Cement:	3 Sk
				Drill Size:	5 5/8
				Completed Drilling 06/22/2025	
Elevation	1019 Ft	Baffle	961.3		
Distance From		Float	994		
South Line	1590 FT	TD	1020		
East Line	1485 FT				

WELL LOG

Thickness of Strata	Formation	Total Depth
0-17	Soil/Clay	17
27	Sandstone	44
22	Lime/Sand	66
4	Shale	70
2	Lime	72
2	Shale	74
9	Lime	83
6	Shale	89
4	Lime	93
36	Shale	129
22	Lime	151
42	Shale 183-193 Lime Seams	193
43	Lime	236
19	Sandy Shale	255
30	Sand/Light Gray/No Oil	285
3	Shale	288
1	Lime	289
20	Shale	309
10	Lime	319
7	Shale	326
66	Lime	392
7	Shale	399
4	Lime	403
4	Shale	407
23	Lime	430
4	Shale	434
26	Lime	460
4	Shale	464
31	Lime/Hertha	495
98	Shale	593
8	lime	601

[illegible]



CEMENT TREATMENT REPORT

Customer:	L & A Energy	Well:	Earl Gray LAI-10, LAI-18	Ticket:	EP17861
City, State:	Wellsville, KS	County:	WO, KS	Date:	6/23/2025
Field Rep:	Doug Evans	S-T-R:	19-26-17	Service:	Longstrings

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	5 5/8 in	Blend:	Econobond 1# PS	Blend:	
Hole Depth:	1020 ft	Weight:	13.61 ppg	Weight:	ppg
Casing Size:	2 7/8 in	Water / Sx:	7.12 gal / sk	Water / Sx:	gal / sk
Casing Depth:	ft	Yield:	1.56 ft ³ / sk	Yield:	ft ³ / sk
Tubing / Liner:	in	Annular Bbls / Ft.:	bbs / ft.	Annular Bbls / Ft.:	bbs / ft.
Depth:	ft	Depth:	ft	Depth:	ft
Tool / Packer:	baffle	Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	bbls	Total Slurry:	bbls	Total Slurry:	0.0 bbls
		Total Sacks:	0 sks	Total Sacks:	0 sks

TIME	RATE	PSI	STAGE	TOTAL	REMARKS
			BBLs	BBLs	
			-	-	on location, held safety meeting
				-	
				-	#LAI-10 - 1020', 989.8', 957.8'
4.5				-	established circulation
4.5				-	mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water
4.5				-	mixed and pumped 102 sks Econobond cement w/ 1# PS per sk, cement to surface
4.5				-	flushed pump clean
1.5				-	pumped 2 7/8" rubber plug to baffle w/ 5.54 bbls fresh water
1.5				-	pressured to 900 PSI, well held pressure
				-	released pressure to set float valve, float held
4.5				-	washed up equipment
				-	
				-	#LAI-18 - 1020', 994', 961.3'
4.5				-	established circulation
4.5				-	mixed and pumped 200# Bentonite Gel followed by 4 bbls fresh water
4.5				-	mixed and pumped 103 sks Econobond cement w/ 1# PS per sk, cement to surface
4.5				-	flushed pump clean
1.5				-	pumped 2 7/8" rubber plug to baffle w/ 5.56 bbls fresh water
1.5				-	pressured to 900 PSI, well held pressure
				-	released pressure to set float valve, float held
4.5				-	washed up equipment
				-	
				-	left location
				-	
				-	
				-	

CREW		UNIT	SUMMARY		
Cementer:	Casey Kennedy	931	Average Rate	Average Pressure	Total Fluid
Pump Operator:	Nick Beets	209	3.6 bpm	- psi	- bbls
Bulk:	Drew Beckwith	189			
H2O:	Logan Walter	110			