

Linn County, KS  
 Well: Lemon #I-1  
 Lease Owner: Triple T Oil

TDR Construction, INC  
 (913) 710-5400

Commenced Spudding:  
 11/18/2019

WELL LOG

Thickness of Strata	Formation	Total Depth
0-1	soil-clay	1
11	lime	12
27	sandy shale	39
9	shale	48
6	lime	54
51	shale	105
9	lime	114
7	shale	121
35	lime	156
9	shale	165
22	lime	187
4	shale	191
13	lime	204
4	shale	208
7	sandy shale	215 no oil
154	shale	369
5	lime	374
14	shale	388
13	lime	401 slight oil show
60	shale	461
8	lime	469
15	shale	484
4	lime	488
17	shale	505
5	lime	510
8	shale	518
10	lime	528
15	shale	543
3	lime	546
2	shale	548
3	lime	551
51	shale	602
10	sandy shale	612 solid-good oil show
88	shale	700 TD

Lemon Farm: Linn County

KS State; Well No. I-1

Elevation 1003

Commenced Spuding 11-18 2019

Finished Drilling 11-19 2019

Driller's Name Wesley Dollard

Driller's Name

Driller's Name

Tool Dresser's Name Jacob Slom

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TDR

11 20 27

(Section) (Township) (Range)

Distance from S line, 4645 ft.

Distance from E line, 4866 ft.

3 sacks  
2 1/2  
5 7/16 borehole  
2 7/8 casing

**CASING AND TUBING RECORD**

**CASING AND TUBING MEASUREMENTS**

Feet	In.	Feet	In.	Feet	In.
655		20			
667				27	
700					

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6-1	soil - clay	1	
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27	sandy shale	39	
9	shale	48	
6	lime	54	
51	shale	105	
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528

Thickness of Strata	Formation	Total Depth	Remarks
15	Shale	543	
3	Lime	546	
2	Shale	548	
3	Lime	551	
51	Shale	602	
10	Sand	612	solid - good oil show
88	Shale	700	TD



**CEMENT TREATMENT REPORT**

Customer:	<b>TDR Construction</b>	Well:	<b>Lemon I-1</b>	Ticket:	<b>ICT2808</b>
City, State:	<b>Louisburg, KS</b>	County:	<b>LN</b>	Date:	<b>11/19/2019</b>
Field Rep:	<b>Lance Town</b>	S-T-R:	<b>NW 11-20-22</b>	Service:	<b>longstring</b>

Downhole Information	
Hole Size:	<b>5 5/8 in</b>
Hole Depth:	<b>700 ft</b>
Casing Size:	<b>2 7/8 in</b>
Casing Depth:	<b>682 ft</b>
Tubing / Liner:	<b>in</b>
Depth:	<b>ft</b>
Tool / Packer:	<b>baffle</b>
Depth:	<b>655 ft</b>
Displacement:	<b>3.79 bbls</b>

Calculated Slurry	
Weight:	<b>14.25 # / sx</b>
Water / Sx:	<b>gal / sx</b>
Yield:	<b>1.26 ft<sup>3</sup> / sx</b>
Bbls / Ft.:	
Depth:	<b>ft</b>
Annular Volume:	<b>0 bbls</b>
Excess:	
Total Slurry:	<b>20.87 bbls</b>
Total Sacks:	<b>93 sx</b>

Product	% / #	#
<b>Class A</b>	<b>50.00</b>	<b>4371</b>
<b>Poz</b>	<b>50.00</b>	<b>3441</b>
<b>Gel</b>	<b>2.00</b>	<b>156</b>
<b>CaCl</b>		
<b>Gypsum</b>		
<b>Metso</b>		
<b>Kol Seal</b>		
<b>Flo Seal</b>		
<b>Salt (bww)</b>		

Total **7,968**

TIME	RATE	PSI	BBLs	REMARKS
2:30 PM	4.0			established circulation
	4.0			mixed and pumped 200# Bentonite followed by 5 bbls fresh water
	4.0			mixed and pumped 83 sks Pozmix cement w/ 2% Bentonite per sk
	4.0			cement to surface, flushed pump clean
	1.0			pumped 2 7/8" rubber plug to baffle w/ 3.79 bbls fresh water
				pressured to 800 PSI, released pressure to set float valve
	4.0			washed up equipment

	CREW	UNIT	SUMMARY		
			Average Rate	Average Pressure	Total Fluid
Cementer:	<b>Casey Kennedy</b>	<b>239</b>	<b>3.5 bpm</b>	<b>#DIV/0! psi</b>	<b>- bbls</b>
Pump Operator:	<b>Alan Mader</b>	<b>248</b>			
Bulk #1:	<b>Keith Detwiler</b>	<b>124</b>			
Bulk #2:					