

Jackman Oilfield Services
1 West Mulberry St.
Colony, KS 66015
620-852-3350

WELL LOG
Lakeshore Operating, LLC
Fuller LO-52

September 11, 2018

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
18.00	clay/shale	18.00
4.00	lime	22.00
12.00	shale	34.00
9.00	lime	43.00
2.00	shale	45.00
15.00	lime	60.00
163.00	shale	223.00
15.00	lime	238.00
3.00	shale	241.00
53.00	sandy/lime	294.00
14.00	shale	308.00
50.00	lime	358.00
7.00	white sand	365.00
93.00	lime	458.00
45.00	white sand	503.00
12.00	lime	515.00
4.00	coal	519.00
9.00	shale	528.00
4.00	lime	532.00
31.00	shale	563.00
13.00	lime	576.00
4.00	shaley/lime	580.00
26.00	lime	606.00
2.00	coal	608.00
30.00	lime	638.00
2.00	coal	640.00
26.00	lime	666.00
2.00	coal	668.00
26.00	lime	694.00
2.00	sand	696.00
150.00	shale	846.00
2.00	coal	848.00

8.00	shale	856.00	
3.00	lime	859.00	
26.00	shale	885.00	
1.00	coal	886.00	
7.00	lime	893.00	
84.00	shale	977.00	
1.00	lime	978.00	
4.00	coal	982.00	
36.00	shale	1,018.00	
2.00	shaley/lime	1,020.00	
6.00	lime	1,026.00	
2.00	coal	1,028.00	
3.00	shale	1,031.00	
1.00	lime	1,032.00	
8.00	broken sand	1,040.00	good odor/good bleed
32.00	sandy/shale	1,072.00	
28.00	broken sand	1,100.00	good bleed/good odor
43.00	shale	1,143.00	TD

Drilled a 9 7/8" hole to 40'

Drilled a 5 7/8" hole to 1143'

Set 40' 7" of surface casing cemented with 10 sacks of portland cement

Ran 1135' of 2 7/8"

No cores

No seating nipple

Will be cemented 9/14/18

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