

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

WELL LOG
Lakeshore Operating, LLC
Fuller LO-60

June 24, 2018

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
19.00	clay/shale	19.00
2.00	lime	21.00
4.00	shale	25.00
15.00	lime	40.00
159.00	shale	199.00
20.00	lime	219.00
20.00	sandy lime	239.00
26.00	shale/lime	265.00
29.00	shale	294.00
112.00	lime/churt	406.00
33.00	shale	439.00
63.00	sandy lime	502.00
4.00	lime	506.00
36.00	shale	542.00
17.00	lime	559.00
40.00	churty/lime	599.00
13.00	lime	612.00
7.00	lime/sand	619.00
11.00	shale/coal	630.00
14.00	lime	644.00
6.00	sandy lime	650.00
16.00	lime	666.00
13.00	sandy/lime	679.00
158.00	shale	837.00
3.00	lime	840.00
21.00	shale	861.00
9.00	lime	870.00
9.00	shale	879.00
40.00	sandy/lime	919.00
16.00	shale	935.00
4.00	coal	939.00
9.00	shale	948.00

3.00	lime	951.00	
28.00	lime & shale	979.00	
16.00	shale	995.00	
4.00	sandy lime	999.00	
20.00	shale/coal/sand	1,019.00	good odor/free oil
4.00	broken sand	1,023.00	good bleed
1.50	very broken sand	1,024.50	light bleed
23.50	shale	1,048.00	
0.50	lime	1,048.50	
2.50	shale	1,051.00	
1.00	lime	1,052.00	
1.00	shale	1,053.00	
2.00	broken sand	1,055.00	good bleed
2.00	sand	1,057.00	good bleed
2.50	broken sand	1,059.50	good bleed
5.50	sand	1,065.00	heavy bleed
2.00	sand	1,067.00	medium bleed
7.00	sand	1,074.00	
33.00	shale	1,107.00	TD

Drilled a 9 7/8" hole to 40'

Drilled a 5 7/8" hole to 1107'

Set 40' of 7" surface casing cemented with 12 sacks of portland cement

Ran 1100' of 2 7/8"

No seating nipple

Cemented on 6/29/18

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