

Jackman Oilfield Services

1 West Mulberry St.

Colony, KS 66015

620-852-3350

DRILLERS LOG

Lakeshore Operating, LLC

McHone LOI-2

June 22, 2017

<u>Thickness</u> <u>of Strata</u>	<u>Formation</u>	<u>Total</u>
36.00	Soil/clay	36.00
7.00	Lime	43.00
77.00	Sandy shale	120.00
78.00	Shale	198.00
54.00	Lime	252.00
10.00	Shale	262.00
216.00	Lime	478.00
17.00	Shale	495.00
25.00	Lime	520.00
11.00	Shale	531.00
83.00	Lime	614.00
7.00	Shale	621.00
57.00	Lime	678.00
144.00	Shale	822.00
4.00	Lime	826.00
24.00	Shale	850.00
9.00	Lime	859.00
2.00	Coal	861.00
17.00	Lime	878.00
9.00	Shale	887.00
9.00	Lime	896.00
25.00	Shale	921.00
1.00	Lime	922.00
4.00	Shale	926.00
12.00	Lime	938.00
8.00	Shale	946.00
19.00	Lime	965.00
2.00	Coal	967.00
19.00	Lime	986.00
10.00	Shale	996.00
1.00	Lime	997.00
38.00	Shale	1,035.00
2.00	Lime	1,037.00

8.00	Broken sand	1,045.00		
9.00	Oil sand	1,054.00		
16.00	Oil sand	1,070.00		
0.50	Lime	1,070.50		
4.50	Oil sand	1,075.00		
0.50	Lime	1,075.50		
4.50	Oil sand	1,080.00		
8.00	Sandy shale/shale	1,088.00		
19.00	Shale	1,107.00		
Drilled a 9 7/8" hole to 39'7"				
Drilled a 5 7/8" hole to 1107'				
Set 40' of 7" surface casing cemented with 10 sacks of portland cement				
Ran 1098' of 2 7/8"				
No cores				
No seating nipple				
Cemented and MIT on 6/26/17				
McHone LOI-2				