

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

WELL LOG
Lakeshore Operating, LLC
McHone LO-13

October 12, 2016

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>
2.00	Soil	2.00
2.00	Clay	4.00
4.00	Sandstone	8.00
2.00	Lime	10.00
8.00	Sandstone	18.00
3.00	Lime	21.00
16.00	Shale	37.00
5.00	Lime	42.00
166.00	Shale	208.00
47.00	Lime	255.00
15.00	Shale	270.00
135.00	Lime	405.00
19.00	Shale	424.00
11.00	Lime	435.00
11.00	Shale	446.00
230.00	Lime	676.00
178.00	Shale	854.00
17.00	Lime	871.00
91.00	Shale	962.00
12.00	Lime	974.00
31.00	Shale	1,005.00
1.00	Lime	1,006.00
22.00	Shale	1,028.00
1.00	Oil Sand	1,029.00
5.00	Oil Sand	1,034.00
2.00	Shale/oil sand	1,036.00
5.00	Oil Sand	1,041.00
2.00	Shale/oil sand	1,043.00
18.00	Oil Sand	1,061.00
1.00	Shale/oil sand	1,062.00
8.00	Oil Sand	1,070.00
8.00	Oil Sand	1,078.00
2.00	Gray sand	1,080.00

7.00	Lime	1,087.00	
20.00	Shale	1,107.00	TD

Drilled a 9 7/8" hole to 39.5'

Drilled a 5 7/8" hole to 1107'

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

Ran 1100' of 2 7/8"

No seating nipple

Cemented on 10/18/16

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