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

WELL LOG
Lakeshore Operating, LLC
Sturdivan 3 LO-46

July 8, 2016

Thickness of Strata	Formation	Total	
3.00	Soil	3.00	
6.00	Clay	9.00	
6.00	Lime	15.00	
7.00	Sand stone	22.00	
15.00	Shale	37.00	
5.00	Lime	42.00	
134.00	Shale	176.00	
23.00	Lime	199.00	
24.00	Sand stone	223.00	
51.00	Lime	274.00	
24.00	Sand stone	298.00	
186.00	Lime	484.00	
15.00	Shale	499.00	
149.00	Lime	648.00	
207.00	Shale	855.00	
4.00	Lime	859.00	
66.00	Shale	925.00	
8.00	Lime	933.00	
19.00	Shale	952.00	
2.00	Lime `	954.00	
24.00	Shale	978.00	
20.00	Lime	998.00	
5.00	Shale	1,003.00	
1.00	Lime	1,004.00	
4.00	Oil sand	1,008.00	
35.00	Shale	1,043.00	
3.00	Broken sand	1,046.00	
6.00	Oil sand	1,052.00	
1.00	Gray shale	1,053.00	
6.00	Oil sand	1,059.00	
33.00	Shale	1,092.00	TD

Drilled a 9 7/8" hole to 39'7"
Drilled a 5 7/8" hole to 1092'

Set 40' of 7" surface casing cemented with 10 sacks of portland cement
Ran 1085' of 2 7/8"
No cores
No seating nipple
Cemented on 7/13/16

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