McGOWN DRILLING, INC.

Mound City, KS
620.224.7406

Well #			
Murrow 7A RJ Energy, LLC			
API #:	15-107-25291	S-T-R:	16-23-22E
County:	Linn	Date:	9/19/2018

Casing			
Surface		Longstring	
Size:	7.0 "	Size:	2 7/8 "
Tally:	20.8 '	Tally:	652.85 '
Cement:	4 sx	Bit:	5.875 "
Bit:	9.875 "	Date:	9/20/2018

Top	Base	Formation		Top	Base	Formation	
0	3	Soil					
3	26	Lime					
26	31	Shale	Blk				
31	60	Lime					
60	63	Shale					
63	85	Lime					
85	249	Shale					
249	269	Lime					
269	303	Shale					
303	337	Sandy shale					
337	365	Lime					
365	406	Shale					
406	426	Lime					
426	435	Shale					
435	441	Lime					
441	539	Shale					
539	541	Lime					
541	621	Shale					
621	625	Sand					
625	632	Shale					
632	657	Shale					
657		TD					

Sand / Core Detail		
Core #1:		Core #2:
621	625	Good bleed, good odor, soft sand.
625	632	White, muddy, sandy shale.

Total Depth: 657