Tunesco Well Service

Operator:	Running Foxes Petroleum			**Well Number:**	Groves 8-32C-1		
Spud Date:	3/5/2015	**Completion Date:**	3/9/2015	**Bit Size:**	6 3/4''	Surface Size:	8 5/8'' @20'

Depth	Lithology	Remarks	Casing Tally
0-12	SOIL/CLAY		31.15
12-20	LIME/SANDSTONE		32.6
20-35	LIME	ALTAMONT	32.6
35-70	SHALE		32.8
70-85	LIME		32.4
85-152	SHALY SAND		32.5
152-157	LIMESTONE	PAWNEE	31.8
157-159	COAL		30.15
159-195	LIMESTONE		32.65
195-197	BLACK SHALE	ANNA	31.25
197-255	SHALE		32.65
255-274	LIMESTONE	FORT SCOTT	31.9
274-280	SHALE		31.75
280-283	LIMESTONE	OSWEGO	32.1
283-340	SHALE		31.6
340-373	SHALY SAND/SHALE		31.9
373-377	LIMESTONE	ARDMORE	30.4
377-433	SHALE		32.7
433-435	COAL	MINERAL	31.85
435-471	SHALE		31.7
471-473	COAL	TEBO	
473-590	SHALE		
590-602	SAND (NO OIL/ODOR)		
602-618	OIL SAND	GOOD SHOW/HEAVY BLEED	
618-620	COAL		
620-670	SHALE		
670-671	COAL		
671-686	SHALE		
686	MISSISSIPPIAN LIMESTONE	TD:686 (SET THROUGH SAND)	
		Total Longstring:	638.45
		1 float shoe	
		3 centralizers	