

# Tunesco Well Service

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<b>Operator:</b>	Running Foxes Petroleum		<b>Well Number:</b>	Groves 7-32A-4			
<b>Spud Date:</b>	3/11/2015	<b>Completion Date:</b>	3/13/2015	<b>Bit Size:</b>	6 3/4"	<b>Surface Size:</b>	8 5/8" @20'
Depth	Lithology		Remarks		Casing Tally		
0-19	CLAY/SOIL				31.35		
19-30	LIMESTONE				29.75		
30-61	SHALE/SANDTONE				31.1		
61-78	LIMESTONE				32.3		
78-82	SHALE				30.8		
82-86	LIMESTONE				29.95		
86-152	SHALE				32.7		
152-155	LIMESTONE				32.5		
155-162	SHALE				31.65		
162-198	LIMESTONE		PAWNEE		31.6		
198-204	BLACK SHALE		ANNA		30.6		
204-207	SHALE				32.5		
207-208	LIMESTONE				30.75		
208-214	SHALE				32.6		
214-215	LIMESTONE				30.2		
215-256	SHALE				31.2		
256-275	LIMESTONE		FORT SCOTT		32.6		
275-281	SHALE				32		
281-285	LIMESTONE		OSWEGO		32.9		
285-295	SHALE/LIME				31.15		
295-298	BLACK SHALE				32.6		
298-300	SHALE						
300-315	SHALE/SAND		SQUIRREL (NO SHOW)				
315-385	SHALE						
385-390	BLACK SHALE						
390-396	SHALE						
396-398	LIMESTONE		ARDMORE				
398-420	SHALE						
420-425	COAL						
425-585	SHALE						
585-593	SAND		BARTLESVILLE (POOR SHOW/ODOR)				
593-618	SAND		Good show, heavy bleed				
618-687	SHALE						
687	LIMESTONE						
			Total Longstring:		662.8		
			1 float shoe				
			3 centralizers				