



**Operator:**  
RJ Energy, LLC  
Garnett, KS

**Martin WSW-1**  
Anderson Co, KS  
30-22-19E  
API #003-26611-00-00

<b>Spud Date:</b>	6/30/2017	<b>Surface Bit:</b>	11"
<b>Surface Casing:</b>	8 5/8"	<b>Drill Bit:</b>	7 7/8"
<b>Surface Length:</b>	21'	<b>Longstring:</b>	1260'
<b>Surface Cement:</b>	4 sx	<b>Longstring Date:</b>	7/7/2017
<b>Longstring:</b>	5 1/2		

### Driller's Log

Top	Bottom	Formation	Comments
0	2	Soil	
2	6	Clay	
6	41	Lime	
41	154	Shale	
154	165	Lime	
165	178	Shale	
178	186	Lime	
186	196	Shale	
196	214	Sandy Shale	
214	274	Lime	
274	324	Shale	
324	335	Lime	
335	338	Shale	
338	347	Lime	
347	349	Shale	
349	445	Lime	
445	618	Shale	
618	652	Lime	
652	722	Shale	
722	750	Lime	
750	766	Shale	
766	774	Lime	
774	787	Shale	
787	795	Lime	

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795	798	Shale	
798	809	Lime	
809	834	Shale	
834	840	Sandy Shale	Odor
840	846	Sand	Broken, fair odor, slight bleed in samples
846	872	Sand	Broken, good odor, slight bleed to pit, mostly sand
872	880	Sand	Black sand, slight odor
880	1022	Shale	
1022	1030	White Sand	
1030	1196	Shale	
1196	1264	Miss. Lime	
<b>1264</b>		<b>TD</b>	

Tail in open hole from 1265-1326'  
with 4.75" button bit