



**Operator:**  
lantha Resources, LLC  
Garnett, KS

**Poss #35**  
Anderson Co., KS  
11-20S-20E  
API: 003-26424

<b>Spud Date:</b>	8/10/2015	<b>Surface Bit:</b>	11.0"
<b>Surface Casing:</b>	7.0"	<b>Drill Bit:</b>	5.875"
<b>Surface Length:</b>	22.8'	<b>Longstring:</b>	713.35'
<b>Surface Cement:</b>	6 sx	<b>Longstring Date:</b>	8/11/2015
<b>Longstring:</b>	2 7/8 EUE Used		

### Driller's Log

Top	Bottom	Formation	Comments
0	3	Soil	
3	9	Clay	
9	12	Gravel	
12	66	Shale	
66	94	Lime	
94	113	Shale	
113	118	Lime	
118	165	Shale	
165	175	Lime	
175	184	Shale	
184	218	Lime	
218	225	Shale	
225	250	Lime	
250	252	Shale	
252	257	Lime	
257	260	Shale	
260	270	Lime	
270	273	Shale	
273	274	Lime	
274	297	Shale	
297	300	Sandy Shale	
300	308	Shale	
308	312	Sand	Good odor, slight bleed to pit
312	348	Sandy Shale	

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348	402	Shale	
402	411	Sand	Laminated, most shale, fair odor
411	416	Sandy Shale	
416	439	Shale	
439	441	Lime	
441	447	Shale	
447	450	Lime	
450	454	Shale	
454	464	Lime	
464	470	Shale	
470	477	Sand	
477	490	Sandy Shale	
490	504	Sand	
504	508	Shale	
508	510	Coal	
510	512	Lime	
512	515	Shale	
515	524	Lime	
524	557	Shale	
557	570	Lime	
570	600	Shale	
600	606	Lime	
606	609	Bl. Shale	
609	625	Shale	
625	627	Coal	
627	640	Shale	
640	683	Sand	Good oil show, see below
683	690	Shale	
690	722	Sandy Shale	Faint odor, no bleed to pit
<b>722</b>		<b>TD</b>	

<b>Coring</b>		
<b>Run</b>	<b>Footage</b>	<b>Rec.</b>
1		
2		

**Sand Detail**

640-649	Light brown sand, no odor, no bleed
649-650	Good sand, brown, good odor, good bleed
650-656	Good odor, lighter visible bleed in samples
656-662	Better sand, stronger odor than above
662-666	Good sand, odor is weaker
666-678	Good sand quality, good show to the pit, strong odor
678-682	Odor weakening and no odor by 682