



Operator:
lantha Resources, LLC
Garnett, KS

Poss #50
Anderson Co., KS
11-20S-20E
API: 003-26430

Spud Date:	8/11/2015	Surface Bit:	11.0"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	22.8'	Longstring:	728.2'
Surface Cement:	6 sx	Longstring Date:	8/12/2015
Longstring:	2 7/8 EUE Used		

Driller's Log

Top	Bottom	Formation	Comments
0	10	Soil & clay	
10	12	Gravel	
12	62	Shale	
62	93	Lime	
93	108	Shale	
108	112	Lime	
112	159	Shale	
159	170	Lime	
170	178	Shale	
178	214	Lime	
214	221.5	Shale	
221.5	241	Lime	
241	246	Bl. Shale	
246	248	Lime	
248	250	Shale	
250	261	Lime	
261	265	Shale	
265	270	Lime	
270	292	Shale	
292	294	Sand	Grey
294	307	Sandy Shale	
307	311	Sand	Good odor, good bleed
311	347	Sandy Shale	
347	393	Shale	

393	403	Sand	Laminated, 1/2 sand, good odor & show
403	408	Sandy Shale	
408	434	Shale	
434	443	Lime	
443	449	Shale	
449	462	Lime	
462	474	Shale	
474	478	Lime	
478	498	Shale	
498	505	Sand	
505	511	Shale	
511	513	Lime	
513	570	Shale	
570	575	Lime	
575	638	Shale	
638	644	Sand	See below
644	665.5	Shale	
665.5	682	Sand	Good oil show, see below
682	742	Sandy Shale	
742		TD	

Coring

Run	Footage	Rec.
1		
2		

Sand Detail

638-642	Laminated sand, slight odor
642-644	Mostly shale, some sand, no odor
644-665	Shale
665-666	Sand, odor
666-677	Good sand, good odor, good bleed to pit, soft
677-682	Weaker odor