

SPUD DATE:	1 Dec 14	
FINISH DATE:	3 Dec 14	
LEASE:	Harra	
LEASE OPERATOR:	KRED	
WELL:	KR-22	
API:	15-121-3	
SEC:	TWP:	RNG:
COUNTY:	Miami	
DRILLERS NAME:	Ronnie Howard	
RIG #:	1	



2394 UTAH ROAD  
RANTOUL, KS 66079

SURFACE: SIZE BIT	9 7/8	LENGTH	22'6"	SIZE	7"	CEMENT	5 Bags
DRILL BIT SIZE	5 7/8	LENGTH	565.20	SIZE	2 7/8	BAFFLE	31.95
TD	682	CORED	466-486				

FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Lime	11	0	11	Shale	12	478	490
Shale	103	11	114	Lime	8	490	498
Lime	24	114	138	Shale	12	498	510
Shale	18	138	156	Lime	4	510	514
Lime	5	156	161	Shale	10	514	524
Shale	32	161	193	Lime	6	524	530
Lime	15	193	208	Shale	16	530	546
Shale	12	208	220	Lime	2	546	548
Lime	12	220	232	Shale	16	548	564
Shale	2	232	234	Lime	2	564	566
Lime	11	234	245	Shale	18	566	584
Shale	8	245	253	Lime	3	584	587
Lime	20	253	273	Shale	11	587	598
Coal	4	273	277	Lime	2	598	600
Lime	5	277	282	Shale	8	600	608
Shale	4	282	286	Lime	1	608	609
Lime	8	286	294	Shale	3	609	612
Coal	3	294	297	Coal	2	612	614
Shale	134	297	431	Shale	32	614	646
Coal	2	431	433	Broken Sand <sup>good Sand</sup> <del>no show</del>	32	646	678
Shale	7	433	440	Shale TD	4	678	682
Lime	6	440	446				
Shale	3	446	449				
Lime	2	449	451				
Shale	5	451	456				
Lime y Sand <sup>no show</sup>	6	456	462				
Broken Sand	2	462	464				
oil Sand good Bld cp	2	464	466				
oil Sand great Bld	7	466	473				
Limey Sand	2	473	475				
oil Sand	3	475	478				

\* Back Plugged  
TO 565 \*