

SPUD DATE:	4 Nov 14	
FINISH DATE:	6 Nov 14	
LEASE:	Harra	
LEASE OPERATOR:	KRED	
WELL:	KR-30	
API:	15-121-30762	
SEC:	TWP:	RNG:
COUNTY:	Miami	
DRILLERS NAME:	Ronnie Howard	
RIG #:	1	



2394 UTAH ROAD  
RANTOUL, KS 66079

SURFACE:	SIZE BIT	9 7/8	LENGTH	22'5	SIZE	7"	CEMENT	5 Bags
DRILL BIT SIZE	5 7/8	LENGTH	511.20	SIZE	2 7/8	BAFFLE	31.60	
TD	662	CORED	438-458					

FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Sandstone	10	0	10	Shale	2	478	480
Shale	80	10	90	Lime	5	480	485
Lime	19	90	109	Shale (coaly)	11	485	496
Shale	21	109	130	Lime	6	496	502
Lime	6	130	136	Shale	2	502	504
Shale	33	136	169	Lime	1	504	505
Lime	14	169	183	Shale	12	505	517
Shale	11	183	194	Lime	3	517	520
Lime	27	194	221	Shale	14	520	534
Shale	8	221	229	Lime	4	534	538
Lime	20	229	249	Shale	19	538	557
Coal	3	249	252	Lime	3	557	560
Lime	4	252	256	Coal	4	560	564
Shale	4	256	260	Shale	17	564	581
Lime	10	260	270	Coal	3	581	584
Coal	4	270	274	Shale	15	584	596
Shale	132	274	406	Broken Sand 80% No show	10	596	606
Coal	2	406	408	Shale	16	606	622
Shale	4	408	412	Lime	4	622	626
Red Bed	2	412	414	Shale	10	626	636
Shale	6	414	420	oil Sand No show.	14	636	650
Limey Sand No show	6	420	426	Broken Sand No show	4	650	654
Shale	8	426	434	Coal	1	654	655
Broken Sand 50% smelly	2	434	436	Shale	7	655	662
oil Sand good old CP	2	436	438				
oil Sand great bleed	10	438	448				
Lime	2	448	450				
Shale	12	450	462				
Lime	8	462	470				
Shale	3	470	473				
Lime	5	473	478				

\* Backplugged to  
Bottom of casing \*