

SPUD DATE: 6 Sept 14  
 FINISH DATE: 8 Sept 14  
 LEASE: Joeckel  
 LEASE OPERATOR: KRED  
 WELL: KR 34  
 API: 15-121-30247  
 SEC: TWP: RNG:  
 COUNTY: Miami  
 DRILLERS NAME: Ronnie Howard  
 RIG #: 1



2394 UTAH ROAD  
RANTOUL, KS 66079

SURFACE: SIZE BIT 9 7/8 LENGTH 22'0 SIZE 7" CEMENT 5 Bags  
 DRILL BIT SIZE 5 7/8 LENGTH 544.5 SIZE 2 7/8 BAFFLE 31.30  
 TD 550 CORED 428-448

FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Clay/Soil	15	0	15	Shale	135	270	405
Shale	75	15	90	Coal	1	405	406
Lime	1	90	91	Shale	3	406	409
Shale	1	91	92	Red Bed	2	409	411
Lime	3	92	95	Shale	1	411	412
Shale	1	95	96	Broken Snd. (No show)	2	412	414
Lime	15	96	111	Broken Snd. (Smelly)	2	414	416
Shale	19	111	130	Limey Snd. (Smelly)	2	416	418
Lime	2	130	132	Broken Snd. (Light Bld)	4	418	422
Shale	2	132	134	Broken Snd. (Light Bld) (20%)	3	422	425
Lime	4	134	138	Limey Snd.	1	425	426
Shale	30	138	168	Broken Snd. (good Bld 70%)	2	426	428
Lime	9	168	177	oil Snd. (washed out - No Bld)	3	428	431
Shale	1	177	178	Lime	2	431	433
Lime	3	178	181	oil Sand (great Bld)	6	433	439
Shale	12	181	193	Broken Snd. (good Bld)	2	439	441
Lime	12	193	205	Shale	9	441	450
Shale	2	205	207	Lime	4	450	454
Lime	1	207	208	Shale	1	454	455
Shale	1	208	209	Lime/coal/sand (9ft Heavy Bld)	15	455	470
Lime	10	209	219	Shale	30	470	500
Shale	8	219	227	Lime	10	500	510
Lime	1	227	228	Shale	12	510	522
Shale	1	228	229	Lime	4	522	526
Lime	2	229	231	Shale	15	526	541
Shale	3	231	234	Lime	3	541	544
Lime	15	234	249	Shale (TD)	6	544	550
Coal	4	249	253				
Lime	2	253	255				
Shale	7	255	262				
Lime (KCB)	8	262	270				

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