SPUD DATE:	29oct14
FINISH DATE:	30oct14
LEASE:	Harna
LEASE OPERATOR:	KRED
WELL:	KR-19
API:	15-121-30756
SEC:	TWP: RNG:
COUNTY:	Miami
DRILLERS NAME:	Ronnie Howard
RIG #:	1

UTAH OIL

2394 UTAH ROAD
RANTOUL, KS 66079

SURFACE: SIZE BIT 9 7/8 LENGTH 22'4 SIZE 7" CEMENT 5 Bags

DRILL BIT SIZE 5 7/8 LENGTH 548.40 SIZE 2 7/8 BAFFLE 32.75

TD 557 CORED 482-502

FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Lime	6	Ø	6				
Shale	25	6	31				
Lime	17	31	48				
Shale	102	48	150				
Lime	19	150	169				
Shale	21	169	190				
Lime	12	190	202				
Shale	29	202	231				
Lime	15	231	246				
Shale	12	246	258				
Lime	26	258	284				
Shale	9	284	293				
Lime	18	293	311				
Coal	3	311	314				
Lime	16	314	330				
Shale	138	330	468				
Coal	2	468	470				
Red Bed	4	470	474				
Shale	5	474	479				
Limey Sand (smelly) CP	3	479	482				
Limey Sand (Little Bleed)	5	482	487				
oil Sand great Bleed	12	487	499				
Lime	1	499	500				
Shale TD	57	500	557				