

SPUD DATE: 1-20-15
 FINISH DATE: 1-23-15
 LEASE: Hollinger
 LEASE OPERATOR: KRED
 WELL: KB-18
 API: 15-121-30840
 SEC: 31 TWP: 16 RNG: 22
 COUNTY: Miami
 DRILLERS NAME: Waylon Johns
 RIG #: 2



2394 UTAH ROAD
 RANTOUL, KS 66079

SURFACE: SIZE BIT 11" LENGTH 20' SIZE 7" CEMENT 5 Bags
 DRILL BIT SIZE 5 7/8" LENGTH 746.80 SIZE 2 1/8 New BAFFLE 32.00
 TD 761 CORED N/A

FORMATIONS	THICKNESS	FROM	TO	FORMATION	THICKNESS	FROM	TO
Soil	2	0	2	Grey Sand Small No Bleed	3	391	394
Lime	5	2	7	Shale	86	394	480
Shale	3	7	10	Broken Grey Sand No Oil Show	11	480	491
Lime	11	10	21	Shale	47	491	538
Shale	16	21	37	Lime	6	538	544
Lime	16	37	53	Shale	6	544	550
Shale	22	53	75	Lime	4	550	554
Lime	14	75	89	Shale Some Coal	22	554	576
Shale	101	89	190	Lime	5	576	581
Lime	19	190	209	Shale	17	581	598
Shale	13	209	222	Lime	3	598	601
Lime	4	222	226	Shale	5	601	606
Shale	17	226	243	Coal	2	606	608
Lime	3	243	246	Shale	6	608	614
Shale	1	246	247	Lime	2	614	616
Lime	4	247	251	Shale	17	616	633
Shale	16	251	267	Lime	3	633	636
Lime	11	267	278	Shale	9	636	645
Shale	19	278	297	Shale Oil Smell	4	645	649
Lime	11	297	308	Shale 20% Grey Sand Small No Bleed	4	649	651
Shale	1	308	309	50% Broken Oil Sand Light Bleed	2	651	653
Coal	2	309	311	Oil Sand Good Bleed	8	653	661
Lime	12	311	323	Oil Sand Heavy Bleed	4	661	665
Shale	6	323	329	20% Grey Sand Small No Bleed	3	665	668
Coal	4	329	333	Shale TD	93	668	761
Lime	18	333	351				
Shale	5	351	356				
Lime	4	356	360				
Shale	5	360	365				
Lime KC	7	365	372				
Shale	19	372	391				