



Operator **KANSAS MB PROJECT** Well No. **MB-16** Lease **WALTER MOORE** Loc. **1/4 1/4 1/4** Sec. **3** Twp. **34** Rge. **13**

County **CHAUTAUQUA** State **KS** Type/Well **1641** Depth **1641** Hours **10-31-14** Date Started **11-5-14** Date Completed **11-5-14**

Job No. **44** Casing Used **44' 8 5/8"** Bit No. **11** Type **6 3/4"** From **11** To **11** Bit No. **11** type **6 3/4"** Coring Record **11** Size **11** From **11** To **11** % Rec. **11**

Driller	Cement Used	Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.
Driller	Cement Used	11		6 3/4"	11	11	11	6 3/4"	11	11	11	11
Driller	Rig No.											
Driller	Hammer No.											

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation
0	44	SURFACE	1067	1098	LIME (OIL ODOR)			
44	90	SHALE	1098	1107	BLK SHALE			
90	98	LIME	1107	1115	LIME			
98	134	SANDY SHALE	1115	1119	LIMEY SHALE			
134	143	LIME	1119	1126	LIME			
143	145	SHALE	1126	1129	SHALE			
145	158	LIMEY SAND	1129	1146	LIME			
158	288	SHALE	1146	1527	SANDY SHALE			
288	291	LIME	1527	1531	LIME (MISS)			
291	310	SHALE	1531	1533	SHAKE			
310	394	SAND	1533	1538	CHAT SHALE			
394	396	COAL	1538	1570	CHAT			
396	470	SHALE	1570	1635	LIME			
470	494	SAND	1635	1641	LIME			
494	496	LIME						
496	567	SHALE			T.D. 1641'			
567	573	LIME						
573	599	SAND (OIL ODOR)						
599	732	SHALE						
732	736	LIMEY SHALE						
736	756	LIME						
756	811	SHALE						
811	819	LIME						
819	822	SHALE						
822	844	LIMEY SHALE						
844	847	SHALE						
847	877	SAND (GAS ODOR)						
877	885	SANDY SHALE						
885	958	SHALE						
958	984	LIME (OIL ODOR)						
984	1067	SHALE						