



Operator	KANSAS MB PROJECT		Well No.	MB-3		Lease	WALTER MOORE		Loc.	KS		1/4	1/4	1/4	Sec.	3	Twp.	34	Rge.	13	Date Completed					
County	CHAUTAQUA		State	KS		Type/Well			Depth	1740'		Hours	9-29-14		Date Started					Date Completed						
Job No.	Casing Used		41' 8 5/8"		Bit No.	Type		size		From		To		Bit No.		type		Size		From		To		% Rec.		
Driller	Cement Used		8		6 3/4"																					
Driller	Rig No.																									
Driller	Hammer No.																									

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	42	SURFACE	647	649	SHALE	1208	1223	LIME	1598	1617	BLK SHALE
42	80	SHALE	649	677	SAND	1223	1226	SHALE	1617	1619	SAND
80	85	SAND	653		GOOD ODOR	1226	1227	COAL	1619	1625	MISS CHAT
85	151	SANDY SHALE	677	685	SANDY SHALE	1227	1235	SAND	1625	1655	LIME+CHAT
151	164	LIME	685	797	SHALE	1235	1251	SHALE	1655	1730	LIME
164	172	SAND	797	808	BLK SHALE	1251	1253	LIME	1730	1740	BLK LIME
172	207	SANDY SHALE	808	815	LIME	1253	1269	SAND			
207	209	LIME	815	817	SHALE	1269	1308	SANDY SHALE			T.D. 1740'
209	221	SANDY LIME	817	832	LIME	1308	1315	SAND			
221	231	SAND (WATER)	832	884	GREEN SHALE	1315	1327	SHALE			
231	247	SHALE	884	896	LIME	1327	1335	SAND			
247	250	LIME	896	902	BLK SHALE	1335	1345	SANDY SHALE			
250	277	SHALE	902	918	LIME	1345	1347	COAL			
277	278	LIME	918	926	SHALE	1347	1350	SHALE			
278	359	SANDY SHALE	926	935	SAND	1350	1380	SANDY SHALE			
359	361	LIME	930		OIL IN PIT	1380	1396	SHALE			
361	380	SHALE	935	937	SHALE	1396	1398	COAL			
380	383	SANDY SHALE	937	958	SAND	1398	1402	SHALE			
383	430	SAND	958	980	LIMEY SHALE	1402	1452	SAND			
430	440	SANDY SHALE	980	988	SAND	1452	1474	SHALE			
440	466	SAND (WATER)	988	1037	SHALE	1474	1478	SANDY SHALE			
466	468	COAL	1037	1061	LIME	1478	1502	SHALE			
468	488	SHALE	1061	1070	BLK SHALE	1502	1504	LIME			
488	492	SAND	1070	1075	SANDY SHALE	1504	1509	LIMEY SHALE			
492	500	SHALE	1075	1090	SAND	1509	1511	SANDY SHALE			
500	527	SANDY SHALE	1090	1142	SHALE	1511	1513	COAL			
527	537	SHALE	1142	1175	LIME	1513	1541	SHALE			
537	572	SAND	1162		ODOR	1541	1549	BLK SHALE			
572	600	SANDY SHALE	1175	1182	BLK SHALE	1549	1570	SHALE			
600	642	SHALE	1182	1202	LIME	1570	1595	BLK SHALE			
642	647	LIME	1202	1208	BLK SHALE	1595	1598	LIME			