Air Drilling
Specialist
Oil and Gas Wells

M.O.K.A.T. DRILLING

Office Phone: (620) 879-5377

P.O. Box 590
Caney, KS 67333

Operator	Well No.	Lease	Loc.	1/4	1/4	1/4	Sec.	Twp.	Rge.
ERS OPERATING CO. LLC	1-B	NELLIE MOORE					33	33	13

County	State	Type/Well	Depth	Hours	Date Started	Date Completed
CHAUTAUQUA	KS		1715'		12/31/13	1/3/14

Job No.	Casing Used	Bit Record					Coring Record					
	42' 8 5/8"	Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.
Driller: TOOTIE	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	1127	1208	SHALE						
42	198	SHALE/ SANDY SHALE	1208	1241	LIME (OSWEGO)						
198	277	SHALE	1241	1250	BLACK SHALE						
277	280	LIME	1250	1274	LIME						
280	340	SHALE	1274	1278	BLACK SHALE						
340	365	SANDY SHALE / SHALE	1278	1290	LIME						
365	418	SHALE	1290	1685	SHALE/ SANDY SHALE						
418	420	LIME	1685	1715	CHAT/ LIME (MISSISSIPPI)						
420	470	SHALE									
470	519	SAND/ SANDY SHALE									
519	520	COAL			T.D. 1715'						
520	530	SHALE									
530	660	SAND									
660	684	SHALE									
684	688	LIME									
688	700	SANDY SHALE									
700	720	SANDY SHALE/ SAND									
720	745	SAND									
745	875	SHALE									
875	894	SHALE/ LIME									
894	906	LIME									
906	909	SANDY SHALE									
909	912	SAND (WAYSIDE)									
912	952	SHALE									
952	985	LIME (ALTAMONT)									
984	1010	SAND									
995		OIL ODOR									
1010	1014	SHALE									
1014	1022	SAND (OIL ODOR)									
1022	1106	SHALE									
1106	1127	LIME (PAWNEE)(OIL ODOR)									