

SAGAMORE OIL AND GAS COMPANY

INDEPENDENCE, KANSAS

Company Willingbring, et al.

S. T. R. 17-16-23
County Johnson
State Kansas
Lease and Well No. S. D. Ramsey

Contractor Albert Briesach, Paola, Kansas

Drilling
Commenced

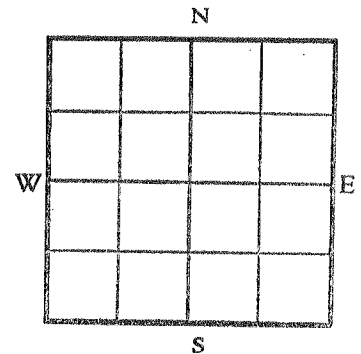
Drilling
Completed

Initial
Production

Initial Rock
Pressure

Location

Casing 4-7/8" 726



Driller's Record of Formations

soil	2	2	light shale	15	557
clay	10	12	red rock	13	570
lime	13	25	gray shale	10	580
shale	17	42	lime	1	581
sandy shale	69	111	gray shale	19	600
lime	20	131	sand	7	607 gas 92M
light shale	25	156	light shale	41	643
red bed	10	166	gray shale	54	702
lime	4	170	light gray shale	11	713
shale	17	187	dark shale	12	726 SLM
lime	1	188	light sandy shale	6	732
gray shale	12	200	dark shale	10	742 SLM
lime	2	202	limey sand	4	746
shale	13	215	light shale	5	751
lime	1	216	dark shale	29	780
shale	14	230	light shale	10	790
lime	8	233	dark shale	8	798
shale	1	239	sand	7	805
lime water	12	251	light shale	45	850
light shale	8	259	dark shale	50	900
lime	20	279	dark sandy shale	4	904 oil
dark shale	3	282	shale	16	920
black shale	2	284	sand	1	920 water
lime	1	285 SLM			
shale	9	294			
lime	4	298			
shale	106	404			
lime	5	413			
light shale	61	474			
sand	5	479			
dark shale	13	494 SLM			
lime hard	1	495			
dark shale	12	507			
lime	7	514			
light shale	9	523			
dark shale	7	530			
lime	6	536			
sand	6	542			