

GEOLOGICAL DEPARTMENT SOUTHWESTERN GAS COMPANY

INDEPENDENCE, KANSAS

7-22-13E

M PL

LOG OF WELL

Company Empire Gas & Fuel Co. Farm Mary Store Well No. 1
 State Kansas County Greenwood S. 7 T. 22 R. 13
 Commenced Drilling _____ Completed _____ Elev. _____
 Shot _____ Qts. from _____ to _____ I. P. _____ R. P. _____
 Casing: 1085' 10" Casing: 1180' 8" Casing: 1875' 6"
 Casing: 2240' 5" Casing: _____ Casing: _____
 Tubing _____ Caged at _____ Packer at _____
 Contractor _____

shale	105		
lime	135	sand	1935
shale	180	lime	1960
lime	195	sand	1990
shale	240	lime	2000
lime	250	sand	2010
shale	270	lime	2020
lime	280	sand	2030
shale	415	lime	2130
lime	420	shale	2140
shale	460	lime	2150
lime	465	shale	2155
shale	600	lime	2175
sand	615	shale	2245
shale	655	sand	2250 oil show
sand	690 HFW	TOTAL DEPTH	2262
shale	695		
sand	718		
shale	752		
lime	875		
shale	890		
lime	1025		
shale	1035		
red rock	1040		
shale	1085		
lime	1145		
shale	1155		
lime	1180		
shale	1185		
lime	1205		
shale	1355		
lime	1360		
shale	1825		
lime	1845 HFW 1840		
sand	1875		
lime	1885		