

GEOLOGICAL DEPARTMENT
SOUTHWESTERN GAS COMPANY
INDEPENDENCE, KANSAS

6-22-11E

LOG OF WELL

Company Harry Hower et al Farm Frederick Well No. #1
G. W. of the SW 1/4
 State Kansas County Greenwood S. 6 T. 22 R. 11
 Commenced Drilling Completed Elev.
 Shot Qts. from to I. P. R. P.
 Casing: Casing: Casing:
 Casing: Casing: Casing:
 Tubing Caged at Packer at
 Contractor

Soil black soft	12	Lime hard gray	755
Slate blue soft	22	Shale	759
Lime white hard	34	Lime white	779
Slate hard	59	Shale gray	799
Slate white soft	109	Shale blue	839
Lime hard	114	Lime white hard	849
Slate soft	165	Sand white water	874
Lime white hard	175	Shale white muddy	1000
Shale white soft	250	Shale black sandy	1055
Lime white	275	Shale brown	1065
Slate white	392	Lime white hard	1085
Lime hard	400	Sand white hard	1093
Shale white	405	Lime	1195
Lime hard	420	Shale white	1275
Shale light	425	Lime blue	1315
Lime light	445	Shale white	1343
Shale	465	Shale black	14480
Shale light sandy	482	Lime white	1550
Lime white hard	494	Shale	1555
Shale blue soft	500	Sand brown	1615
Lime black	510	Shale	1625
Sand white	520	Lime white hard cave	1650
Shale white	535	Shale white	1660
Lime black	545	Lime white	1750
Shale white	552	Shale white soft	1725
Lime	556	Lime black	1770
Shale white	576	Lime white hard	1780
Sand white	586-no water	Shale white soft	1815
Shale white	606	Sand white soft	1825
Lime white	616	Shale black soft	1865
Shale blue	630	Lime gray hard	1885
Lime blue	645	Shale white soft	1955
Shale white	655	Lime sandy soft	1967
Sand white	670	Shale black	2025
Shale white	680	Lime white	2115
Lime brown	694	Lime white hard	2215
Shale white hard	714	Shale black soft	2120
Sand white hard	724-dry	Lime white sandy	2270
Shale black	729	Shale brown hard	2300
		Lime white hard	2350-3 b. w.