FORM 105

GEOLOGICAL DEPARTMENT

SOUTHWESTERN GAS COMPANY

INDEPENDENCE, KANSAS

LOG OF WELL

Company ..... Farm A. H. Daniels Well No. .....

State Kansas County Osage S. ~~17~~ 7 T. 16 52 5E R. 17

Commenced Drilling ..... Completed ..... Elev. .....

Shot ..... Qts. from ..... to ..... I. P. ..... R. P. .....

Casing: ..... Casing: ..... Casing: .....

Casing: ..... Casing: ..... Casing: .....

Tubing ..... Caged at ..... Packer at .....

Contractor .....

Surface	20
Limestone	30
Shale bmy	50
Shale	90
Lime	102
Shale	151
Lime	180
Shale	190
Lime	201
Shale blk	211
Slate	215
Lime	216
Shale	220
Slate	238
Soapstone	244
Shale	307
Lime	309
Rock sandy	355
Shale	357
Rock Sand	440
Lime	448
Sand	478
Fossil	498
Lime	504
Shale	512
Lime	529
Shale	536
Soft Lime	544
Shale	555
Lime	588
Lime	595
Shale	598
Lime	600
Shale	673
Lime	678
Lime	688
Shale	690
Lime Oswego	717
Shale	736
Lime	743
Shale	748
Shale	751 8" Gas'g