

5-14-23
Plotted

Collier No. 2

SW cor. NE. $\frac{1}{4}$ sec. 5, T. 14, R. 23 E., Johnson County, Kansas

Elev. 1031

<u>Formation</u>	<u>Depth</u>
surface	5
lime shell	8
clay yellow	15
lime	28
shale, light	36
rock red	39
shale, blue, sandy	53
limestone	123
shale, blue	153
lime	161
shale, dark blue	171
shale, light	183
lime	201
shale, dark	232
lime	234
shale, dark	238
lime	240
shale, black	244
lime	254
shale, dark	256
lime	268
slate, black	272
lime	295
black shale, gas and water	300
lime	303
shale, dark	305
lime, red <i>Hertha</i>	315
shale, white	327
sand and gas <i>Knobtown</i>	337
shale, light	345
sand and gas <i>Knobtown or Hegler</i>	358
bottom of hole (Shale)	365

5-14-23E

GEOLOGICAL DEPARTMENT
SOUTHWESTERN GAS COMPANY
INDEPENDENCE, KANSAS

LOG OF WELL

Company Farm Collier Well No. 13
 State Kansas County Johnson S. 6 T. 14 R. 23
 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	5	5
Shell lime	3	8
Clay yellow	7	15
Lime	13	28
Shale light	8	36
Rock red	3	39
Sandy shale	14	53
Stone lime	70	123
Shale blue	30	153
Lime	8	161
Shale sandy	10	171
Shale light	12	183
Lime	18	201
Shale dark	31	232
Lime	8	234
Shale dark	4	238
Lime	2	240
Shale black	4	244
Lime	10	254
Shale dark	2	256
Lime	12	268
Slate black	4	272
Lime	23	295
Sand black	5	300-gas and water
Lime	3	303
Shale dark	2	305
Lime	10	315
Shale white	12	327
Gas and Sand	10	337
Shale light	8	345
Sand & Gas	13	358
Bottom of hole	7	365

