

GEOLOGICAL DEPARTMENT
SOUTHWESTERN GAS COMPANY
INDEPENDENCE, KANSAS

Company Dr. Havling,
Kansas City, Kansas.

S. T. R. 10-12-23
County Johnson
State Kansas
Lease and Well No. Bender #1

Contractor Ben Endicott,
Paola, Kansas.

Drilling Commenced 1923

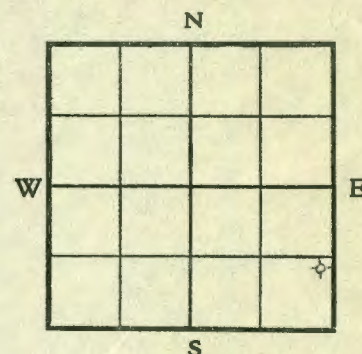
Drilling Completed

Initial Production Dry

Initial Rock Pressure

Location NE corner of SE $\frac{1}{4}$ of SE $\frac{1}{4}$

Casing



Driller's Record of Formations

surface	20	20
gravel	2	22 water
lime	10	32
shale	6	38
lime	2	40
shale	3	43
lime	5	48
shale	1	49
lime	3	52
shale black	3	55
lime water	18	73
shale	2	75
lime	28	103
shale gas black	2	105
lime	25	130
sand	8	138
shale	12	150
sandy shale	20	170
lime	2	172
shale grey	88	240
sand	10	250
shale white	20	270
shale	32	302
lime	18	320
shale	10	330
lime	5	335
slate gas	10	345
lime	15	360
shale white& red	5	365
shale	5	370
lime	3	373
shale	5	378
lime	2	380
shale black	2	382
shale	12	394
lime sandy	3	397
shale	58	455
sand	3	458
shale	22	480