

CONFIDENTIAL

GEOLOGICAL DEPARTMENT
SOUTHWESTERN GAS COMPANY
INDEPENDENCE, KANSAS

31-13-23 1/2

Company **H. L. Smith and Company**

S. T. R.
County
State
Lease and
Well No.

31-13-23
Johnson
Kansas
Geo. W. Algire #1

Contractor **Smith and Company**

Drilling
Commenced

Drilling
Completed

1922

Initial
Production

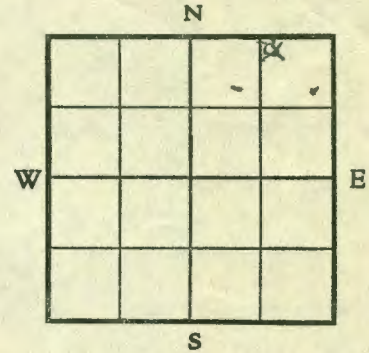
Gas

Initial Rock
Pressure

Location

SW corner NE 1/4 of NE 1/4

Casing



Driller's Record of Formations

surface	0	0	shale white	107	453
gravel	0	16	red rock	5	458
sandy shale blue	34	50	lime	5	463
lime	0	38	slate black	3	466
shale sandy	37	95	lime	2	468
lime	10	105	shale blue	12	480
shale blue	17	122	lime	5	488
lime	2	124	sandy shale white	25	510
shale	4	128	shale blue	10	520
lime	0	134	lime	3	523
shale	0	136	shale black	32	555
lime	0	145	sand oil	0	563
shale	3	148	shale dark	15	576
lime	10	158	shale white	29	607
shale blue	4	162	sand gas	0	613
slate black	3	165			
shale blue	5	170			
lime	20	190			
slate black	4	194			
lime	3	197			
shale dark	3	200			
lime	10	210			
shale red sand	4	214			
shale red sand	9	223			
sand gas	10	233			
shale	10	243			
sand gas	10	253			
shale blue	77	330			
sand gas	10	340			
shale dark	50	390			
lime	5	395			
shale	4	399			
lime	4	403			
shale	6	409			
lime	4	411			
shale white	8	419			
shale blue	9	428			
lime	4	432			
slate black	5	437			
lime	6	443			