

GEOLOGICAL DEPARTMENT
SOUTHWESTERN GAS COMPANY
 INDEPENDENCE, KANSAS

Company

S. T. R. 54-51-18
 County Elk
 State Kansas
 Lease and Well No. Nathan Vestal #5

Contractor **Willis Brothers**

Drilling Commenced

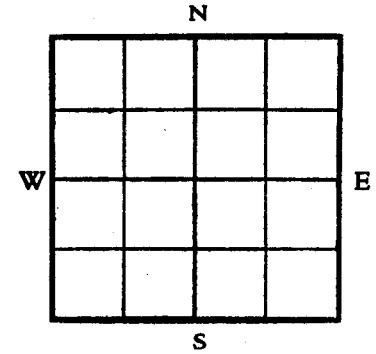
Drilling Completed

Initial Production

Initial Rock Pressure

Location

Casing **6 1/2"** **481'**



Driller's Record of Formations

2	soil	2
6	yellow mud	8
2	sand rock	10
9	blue shale	19
6	sand rock	25
10	blue shale	35
45	sand rock	80
72	blue shale	152
5	brown lime	157
18	blue shale	175
10	white lime	185
8	white shale	193
10	white lime	203
252	blue shale	455
10	lime	465
13	water and sand	478
3	blue shale	481
84	blue shale	565
14	lime	579
12	blue shale	591
15	blue shale	606
2	lime	608
28	white shale	630
7	white shale	637
3	cap rock	640
2	gas sand	642
16	gas sand	652 T.D.