

West and Hazlett

GEOLOGICAL DEPARTMENT
SOUTHWESTERN GAS COMPANY
INDEPENDENCE, KANSAS

Company West and Hazlett

Contractor Willis Brothers

Drilling
Commenced

Drilling
Completed

Initial
Production

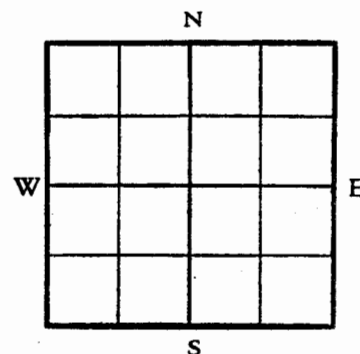
Initial Rock
Pressure

Location 200' from E. line and 200' from N. line

Casing

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

34-31-12
Elk
Kansas
Nathan Vestal
#4



Driller's Record of Formations

shot 80 qts. May 31, 1917

2	soil	2
13	yellow sand	15
45	sand	60
30	blue muddy shale	90
75	blue muddy shale	165
3	black lime	168
15	sandy shale	183
10	white lime	193
257	blue shale	450
10	white lime	460
15	blue shale	480
65	blue shale	545
10	white lime	555
10	shelly shale	565
60	blue shale	625
23	blue shale	648
3	cap rock	651
6	blue shale	657
5	gas and oil sand	662
4	oil sand	666
4	broken sand	670
15	oil sand	685
19	pocket	704 T.D.

Water Sand 480