

KANSAS WELL LOG BUREAU — KANSAS GEOLOGICAL SOCIETY

508 EAST MURDOCK — WICHITA, KANSAS

20-28-17E

COMPANY Spielman & Johnson

SEC. 20 T. 28 R. 17E

LOC. NW-SE-NE-NE

FARM Freidline

NO. 1

COUNTY Wilson

KANSAS

TOTAL DEPTH 558

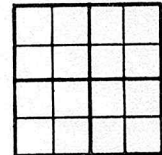
COMM. 7-1925

COMP. 8-1925

SHOT OR TREATED

CONTRACTOR

ISSUED



CASING

20	10
15	8
12	6
13	5

ELEVATION

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

soil		14
lime		26
shale		44
sand		100
lime		103
shale		125
lime		222
slate	wtr	227
sand	wtr	254
shale		259
lime		293
slate	wtr	296
lime		332
shale		362
lime		367
shale		377
lime		387
shale		407
lime		412
shale		423
lime		429
shale		434
lime		455
shale		460
shale	wtr	548
lime		552
lime		557
lime		580
shale		625
lime		645
slate	gas & water	653
lime		658

Total Depth

**GEOLOGICAL DEPARTMENT
UNION GAS CORPORATION**

INDEPENDENCE, KANSAS

Company **Spielman and Johnson**

S. T. R. **20-28-17**
 County **Wilson**
 State **Kansas**
 Lease and **Claude Freidline**
 Well No. **#1**

Contractor

Drilling
Commenced

Drilling
Completed

Initial
Production

Shale gas well

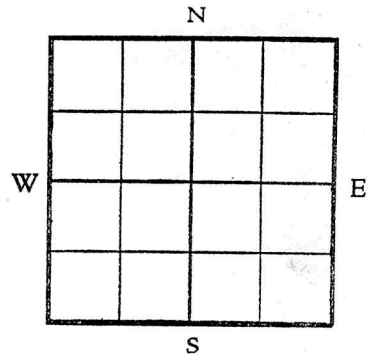
Initial Rock
Pressure

Location

**300' from N. line and 300' from E.
line of NE corner of NE $\frac{1}{4}$**

Casing

**10" 19' pulled
 8" 102'
 6" 350' "
 packer set at 639'**



Driller's Record of Formations

	soil	14
12	lime	26
18	shale	44
56	sand	100
3	lime	103
22	shale	125
97	lime	222
5	slate black	227
27	sand	254
5	shale	259
34	lime	293
3	black slate	296
36	lime	332
30	shale dark	362
5	lime	367
10	shale dark	377
10	lime	387
20	shale white	407
5	lime	412
11	shale	423
6	lime	429
5	shale	434
21	lime	455
5	shale	460
88	sandy shale	548
4	lime	552
5	shale	557
23	lime	580
18	shale dark	598
20	shale light	618
7	shale dark	625
20	lime	645
8	slate black	653
5	lime	658 T.D.