

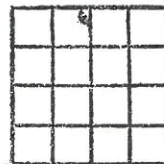
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
502 East Murdock, Wichita, Kansas

Company- FRONTIER OIL CO.
Farm- Kinderknecht No. 4

SEC. 16 T. 14 R. 19W
NE NE NW

Total Depth. 4076'
Comm. 5-15-59 Comp. 5-29-59
Shot or Treated.
Contractor. Red Tiger Drilg. Co.
Issued. 10-3-59

County Ellis
KANSAS



Elevation. 2194' DF

Production. 75 BOPD

CASING:

8 5/8" 217' cem w/135 sx.
5 1/2" 3956' cem w/600 sx.

Figures Indicate Bottom of Formations.

clay, post rock	40
shale sand sks	215
shale shells	650
sand	775
shale shells	950
sand	1150
red bed shale	1225
shale red beds	1480
Anhydrite	1520
shale & shells	1635
shale shells	2020
shale lime	2245
lime & shale	2490
shale & lime	2635
lime & shale	3312
lime	3385
brown lime	3460
lime	3808
Conglomerate	3829
lime	3837
sandy lime	3862
Arbuckle lime	3898
lime	3990
sandy dolomite	4010
lime	4032
sandy dolomite	4065
Arbuckle dolomite	4040
granite wash	4076
Total Depth	

TOPS:

Anhydrite	1480
Heebner	3449
Lansing-Kansas City	3497
Base Kansas City	3739
Marmaton	3751
Conglomerate	3790
Arbuckle	3827
Granite Wash	4040