

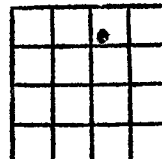
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- FRONTIER OIL COMPANY
Farm- Madden No. 2

SEC. 4 T. 13 R. 17W
SW NW NE

Total Depth. 3614'
Comm. 5-31-60 Comp. 6-10-60
Shot or Treated.
Contractor. Red Tiger Drilling Co.
Issued. 9-3-60

County Ellis
KANSAS



CASING:

8 5/8" @ 197' 2/130 sks. cem.
5 1/2" @ 3610' w/150 sks. cem.

Elevation. 2063' DF

Production. 25 BOPD

Figures Indicate Bottom of Formations.

sod shale	197
shale & shells sand	935
shale red bed	1255
Anhydrite	1295
shale shells	1315
shale & shells	1885
shale shells lime	2120
shale lime	2247
lime & shale	2610
shale lime	2760
shale & lime	3050
lime shale	3078
lime & shale	3170
lime	3230
lime	3612 RTD
lime	3614
Total Depth	

TOPS:

SCOUT
TOPS:

Anhydrite	1255	1255
Heebner	3273	3273
Toronto	3292	3292
Lansing-Kansas City	3316	3316
Base Kansas City		3558
Conglomerate		3574
Arbuckle	3608	3608