

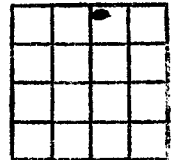
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY
508 East Murdock, Wichita, Kansas

Company- FRONTIER OIL COMPANY
Farm- Madden No. 3 (Twin)

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

Total Depth. 3585' RTD.
Comm. 2-6-1962 Comp. 2-15-1962
Shot or Treated.
Contractor. Red Tiger Drilling Company
Issued. 8-4-1962

County Ellis KANSAS



CASING:

8 5/8" @ 210' W/135 Sks. Cem.,
5 1/2" @ 3581' W.150 Sks. Cem.,

Elevation. 2069' DF.

Production. 91 BOPD. NW/ARB OH

Figures Indicate Bottom of Formations.

Surface Soil	210
Shale	610
Shale & Sand	690
Sand	900
Shale & Redbed	1150
Shale & Shells	1260
Anhydrite	1300
Shale & Shells	2010
Shale & Lime	3155
Lime	3585 RTD.
TOTAL DPETH	3585

TOPS: SCOUT

Anhydrite	1260
Heebner	3272
Lansing	3322
Base/Kansas City	3558
Arbuckle	3578
Total Depth	3585