

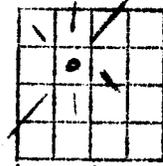
31-31-11 W

Company - OLSON DRILG. CO. & GLOBE O & R. CO.
 Farm - Warren Mortgage No. 2

SEC. 31 T. 31 R. 11 W
 CSE NW

Total Depth. 4296
 Comm. 10-19-46 Comp. 11-26-46
 Shot or Treated.
 Contractor.
 Issued. 4-12-47

County. Barber
 KANSAS



Elevation. 1509 feet + 26

Production. 10,000,000 Gas

CASING:

9 5/8" 169' Cem. w/150 sx.
 7" 3458' Cem. w/150 sx.

Figures indicate Bottom of Formations.

sand shells 0-110
 shale & shells 190
 shale & shells 1208
 shale & shells, salt
 strks 1395
 lime 1745
 lime & shale 1840
 lime 2055
 lime brkn 2119
 lime 2314
 shale 2350
 lime & shale 2510
 shale 2565
 lime & shale 2605
 shale 2755
 shale & lime 2830
 lime 2955
 lime brkn 3026
 lime 3304
 sand 3396
 sand & shale 3428
 sand & shale, lime
 shells 3445
 shale & lime 3555
 shale 3688
 lime sdy 3708
 lime 4124
 lime & shale 4181
 lime 4271
 chat 4296
 Total Depth.

Tops:
 Elgin 3307
 Lansing 3702
 Mississippi 4271

DST 4272' - 96' rec. 165' oil cut
 mud, Spotted 50 sx cement @ 3720'.
 C. T. 11-26-46
 Perf. Elgin sand 3298-3327' w/98'
 shots (G.M.)
 11-30-46 Swabbed well in est. @
 10,000,000 cu. ft.