12-31-4W

KANSAS GEOLOGICAL SOCIETY

KANSAS WELL LOG BUREAU — KANSAS WELL SAMPLE BUREAU
KANSAS GEOLOGICAL SOCIETY BUILDING
508 EAST MURDOCK - WICHITA, KANSAS

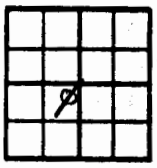
COMPANY MACK OIL

FARM Lies NO. 1

SEC. 12 T. 31 R. 4W
LOC. NE NE SW

COUNTY Sumner

KANSAS



TOTAL DEPTH 3599'
COMM. 10-14-67 COMP. 10-26-67
SHOT OR TREATED
CONTRACTOR Mack Oil
ISSUED 11-18-67

CASING

20 10
15 8 5/8" 214' cem w/ 175 sx
12 6
13 5

ELEVATION 1393' KB

PRODUCTION DRY/HERTHA

FIGURES INDICATE BOTTOM OF FORMATIONS

Surface Soil & Sand	0 - 98'
Shale & Sand	98 - 216
Shale & Shells	216 - 899
Lime & Shale	899 - 1444
Shale & Shells	1444 - 1654
Lime & Shale	1654 - 2320
Shale & Lime	2320 - 2598
Lime	2598 - 2805
Lime & Shale	2805 - 3435
Lime	3435 - 3599' - Rotary Total Depth

TOPS: LOG

Kansas City	3414
Swope	3554
Hertha	3590

I hereby certify that the above is a true and correct log of said well as reflected by the daily drilling reports.

MACK OIL CO.

By Robert L. Harris
Robert L. Harris

Signed and sworn to in my presence this 31st day of October, 1967, by Robert L. Harris, representative of Mack Oil Co.

Elizabeth F. Nice
Elizabeth F. Nice, Notary Public

My commission expires September 21, 1968