

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

COMPANY MORGENSTERN OIL OPERATORS.

SEC. 17 T. 13 R. 14W
LOC. N $\frac{1}{2}$ NW NW

FARM Krug NO. 4

COUNTY Russell

TOTAL DEPTH 3481'

COMM. 9-12-68

COMP. 9-20-68

SHOT OR TREATED

CONTRACTOR Red Tiger Drlg.

ISSUED 11-9-68

KANSAS

CASING

20 10
15 8 5/8" 346' cem w/ 250 sx
12 6
13 5 1/2" 3181' cem w/ 150 sx

ELEVATION 1661' KB

PRODUCTION SW DW/ ARB 3181-3481

FIGURES INDICATE BOTTOM OF FORMATIONS

Surface Soil	0	317
Iron	317	325
Sand & Shale	325	474
Shale & Redbed	474	718
Anhydrite	718	756
Shale & Shells	756	1480
Shale Lime & Shells	1480	1600
Shale & Lime	1600	2820
Lime	2820	3103
Arbuckle	3103	3155
Lime	3155	3245
Arbuckle Dolomite	3245	3335
Arbuckle & Lime	3335	3420
Lime	3420	3460
Lime Dolomite & Sand	3460	3478
Granite	3478	3481

I certify that this is a true and correct copy of the above log
to the best of my knowledge.

RED TIGER DRILLING COMPANY

TOPS: SMP

Anhydrite 718
Base Anhydrite 756
Heebner 2777
Lansing 2830
Arbuckle 3103
RTD 3481