

A-4-161

MAP NO. K-52 ELEV. 2931 KB
 STATE Kansas COUNTY Finney SEC. 21 Twp 21S Rge 32W
 OPERATOR Royal Oil & Gas Corp. - Tulsa, Okla. LOC. S/2 S/2 SE
 WELL NO. 1 FARM NAME Nettrouer FT. FROM _____ LINE _____
 HUGOTAN, E. (PD 2800) FT. FROM _____ LINE _____
 FR. 3-17-61 SPUD 3-20-61 COMP. 4-18-61

CONT./GEOL. Graham Michaelis Tools. J.J. Altrogge-Geol

| NAME PRODUCING INTERVAL | COMPLETION RECORD | | PERF. W/HOLES | TREATMENT RECORD |
|-------------------------|-------------------|--------|---------------|------------------------|
| | FROM - TO | W/SAX. | | |
| a. <u>Krider</u> | <u>2693-2702</u> | | <u>36</u> | <u>1000Ac, F/10x10</u> |
| b. _____ | _____ | | _____ | _____ |
| c. _____ | _____ | | _____ | _____ |
| d. _____ | _____ | | _____ | _____ |

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d I. P. OIL/DIST. _____ WTR. 72/20 GAS 7060 M.C.F.P.D. _____ CHK. _____ HRS. _____
 b " " " " " " "
 c " " " " " " "
 d _____

SIP# 350 FI TP # _____ FI CP# _____ SIBHP _____
 GOR. _____ GR. _____ PBTD 2728 TD 2760

| CASING - CEMENT RECORD | |
|------------------------|-------------|
| SIZE | DEPTH |
| <u>8 5/8"</u> | <u>306</u> |
| <u>4 1/2"</u> | <u>2759</u> |

OPERATOR Royal Oil & Gas Corp. WELL NO #1 Nettrouer ELEV. 2931 KB

| SAMPLE TOPS | DEPTH | SUB SEA | ELEC. TOPS | DEPTH | SUB SEA |
|-------------|-------|---------|------------|-------------|-------------|
| Krider | | | | <u>2692</u> | <u>+239</u> |
| Winfield | | | | <u>2746</u> | <u>+185</u> |

Spud 3-20-61, 8 5/8" @ 306 w/300 sx.
 RID 2760, logs. 4 1/2" @ 2759 w/250 sx. CO to 2740.
 P/4/2734-35, 250 MA, SQ w/250 sx. CO to 2728.
 P/36/2693-2702, 1000 Ac, Frac 10,000 wtr X 10,000 sd, Ga 2627
 MCF + Id.
 IP 72/20 Ga 7,060 MCF, SIP 350, from Krider (2693-2702).

COMPLETE 4-18-61.

2931 KB
Liberal Tops
Krider 2692 +239
Win 2746 +185
TD 2760