

DRILLER'S LOG

API # 15-189-20,236

WELL NAME Greenwood "A" #1 COMPANY OPERATING Anadarko Production Company
 ADDRESS OF COMPANY Box 351, Liberal, Ks. 67901
 WELL LOCATION $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$
1250 Ft. ~~North of South Line~~ From North Line
1250 Ft. East of West Line, Sec. 12, Twp. 34S, Rge. 38W, Stevens County, Kansas
 DRILLING STARTED 2-27, 19 74, DRILLING COMPLETED 3-3, 19 74
 WELL COMPLETED 3-25, 19 74, WELL CONNECTED _____, 19 _____
 ELEVATION 3174 Ft. Ground Level CHARACTER of WELL (Oil, Gas, Dry Hole) Gas

| OIL OR GAS SANDS OR ZONES - PERFORATIONS - ACIDIZING AND FRACTURING INFORMATION | | | | | |
|---|------|------|--------------|------------------------------------|-----------|
| Name | From | To | No. of Shots | Gallons Used | Kind Used |
| Council Grove | 2982 | 2986 | 12 | Acidized 2925-86' OA w/2000 | |
| " | 2973 | 2977 | 12 | gallons 15% HCL. Fraced w/80,000 | |
| " | 2959 | 2965 | 18 | gallons water + 60,000# riversand. | |
| " | 2947 | 2955 | 24 | | |
| " | 2932 | 2942 | 30 | | |
| " | 2925 | 2929 | 12 | | |

CASING RECORD

| Size | Amount Set | Sacks of Cement | Amount Pulled |
|--------------|------------|-----------------|---------------|
| 8-5/8" | 633' | 575 | None |
| 5-1/2" | 3010' | 650 | None |
| 2" & 2-1/16" | 2934' | SN @ 2924' | None |

FORMATION RECORD

| Formation | Top | Bottom | Formation | Top | Bottom |
|-------------------|------|--------|-----------|-----|--------|
| Clay & sand | 0 | 610. | | | |
| Red bed | 610 | 790 | | | |
| Red bed & shells | 790 | 1425 | | | |
| Shale & anhydrite | 1425 | 1817 | | | |
| Lime & shale | 1817 | 2092 | | | |
| Shale & shells | 2092 | 2332 | | | |
| Lime & shale | 2332 | 2981 | | | |
| Lime | 2981 | 3010 | | | |
| Total Depth | 3010 | | | | |

RECEIVED
STATE CORPORATION
CONSERVATION DIVISION
Wichita, Kansas

RESULTS OF INITIAL PRODUCTION TEST: COF 4744 MCED (one-point check test)