KANSAS GEOLOGICAL SOCIETY

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

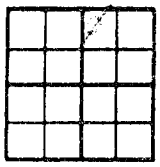
COMPANY A. SCOTT RITCHIE

SEC. 17 T. 13 R. 17W
LOC. NW NW NE

FARM Staab "A" NO. 4

COUNTY Ellis

KANSAS



TOTAL DEPTH 3715'
COMM. 9-25-67 COMP. 10-6-67
SHOT OR TREATED
CONTRACTOR Hellar Drilling
ISSUED 12-30-67

CASING

20 10
15 8 5/8" 208' cem w/ 135 sx
12 6
13 5
4½" 3670' cem w/ 100 sx

ELEVATION 2032' KB

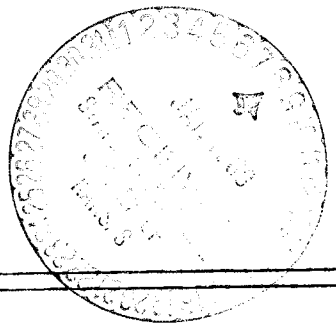
PRODUCTION SWDW- RATE OK
Arb 3629-32

FIGURES INDICATE BOTTOM OF FORMATIONS

0-209	Shale & shells
209-1120	Shale & Red Bed
1120-1282	Shale-Shells & Red Bed
1282-1323	Anhydrite
1323-1575	Red Bed & Shale
1575-1980	Shale & Lime Streaks
1980-3165	Lime & Shale
3165-3205	Topeka Lime
3205-3275	Lime
3275-3425	Lime & Shale
3425-3451	K. C. Lime
3451-3512	Lime
3512-3537	K. C. Lime
3537-3615	Lime
3615-3715	Arbuckle Dolomite
3715	Rotary Total Depth

TOPS: LOG

Anhydrite	1258
Topeka	3069
Queen Hill (smp)	3232
Heebner	3312
Toronto	3332
Lansing	3358
Base Kansas City	3591
Arbuckle	3607



STATE OF KANSAS)
) SS
COUNTY OF SEDGWICK)

I, D. L. Hellar, do hereby certify that the above and foregoing is a true and correct copy of the log of the #4 Staab "A", located in NW NW NE Sec. 17-13S-17W, Ellis County, Kansas, as reflected by the files of the Hellar Drilling Company, Inc.

HELLAR DRILLING COMPANY, INC.

By D. L. Hellar
President - D. L. Hellar

Subscribed and sworn to before me, a Notary Public, in and for Sedgwick County, Kansas, this 16th day of October, 1967.