

DRILLERS WELL LOG

DATE COMMENCED: April 17, 1978
DATE COMPLETED: April 22, 1978

Petroleum Energy, Inc.
FINGER #1
C NW SW
Sec 28-16S-12W
Barton County, Kansas

ELEVATION: 1915 K.B.

0 - 120' Surface Soil, Post Rock, Shale
120 - 312' Shale & Sand Streaks
312 - 373' Red Bed & Shale
373 - 449' Sand
449 - 805' Red Bed, Shale
805 - 831' Anhydrite
831 - 1510' Shale - Red Bed
1510 - 2215' Shale & Lime Streaks
2215 - 2701' Lime & Shale
2701 - 2722' Shale
2722 - 3003' Lime
3003 - 3007' Shale
3007 - 3022' Lime & Shale
3022 - 3032' Lime
3032 - 3091' Shale
3091 - 3108' Lime & Shale
3108 - 3349' Lime
3349 - 3359' Lime & Shale
3359 - 3369' Dolomite
3369' RTD

FORMATION DATA

ANHYDRITE	805
SEVERY	2701
TOPEKA	2722
HEKNER	3003
TORONTO	3022
DOUGLAS	3032
BR. LIME	3091
KANSAS CITY	3108
BASE K.C.	3349
ARBuckle	3359
RTD	3369

SURFACE PIPE: Set used 28#, 8-5/8"
at 215' w/150 sacks 60/40 pozzix,
2% gal, 3% cc.

PRODUCTION PIPE: Set new 4 1/2", 9 1/2"
casing @ 3363' w/125 sacks common
with 16% salt w/10 bbls. salt flush
ahead of cement.

A F F I D A V I T

STATE OF KANSAS
COUNTY OF BARTON) ss.

Leonard Williamson, of lawful age, does swear and state that the facts and
statements herein contained are true and correct to the best of his knowledge.

Leonard Williamson

Subscribed and sworn to before me this 26 day of April 1978.

My Comm. Expires: April 11 - 1982

Dorothy M. Hague
Notary Public