

DEC 20 1969

DRILLER'S LOG

COMPANY:	WILL P. ASH
CONTRACTOR:	LEBEN DRILLING, INC.
FARM:	VOPAT "B" #1
LOCATION:	C S $\frac{1}{2}$ NW SECTION 21-14S-10W ELLSWORTH COUNTY, KANSAS
COMMENCED:	10-25-69
COMPLETED:	10-30-69

alt. 1677 KB

Dry

0	40	Surface Clay & Sand
40	341	Shale & Sand
341	348	Hard Sand
348	350	Shale
350	493	Red Bed
493	523	Anhydrite
523	1200	Shale
1200	2445	Lime & Shale
2445	2667	Lime
2667	2780	Lime & Shale
2780	2898	Lime
	<u>2998</u>	<u>RTD</u>

8 5/8" 32# Surface casing set @ 349-85' cemented with 225 sacks
Common, 2% Calcium Chloride and 2% Gel.

I, James R. Rodgers, do hereby certify that the above and foregoing
is a true and correct copy of the log of the Vopat "B" #1 Well,
located C S $\frac{1}{2}$ NW of Section 21, Township 14 South, Range 10 West,
Ellsworth County, Kansas, as reflected by the records of Leben
Drilling, Inc.

James R. Rodgers
James R. Rodgers

STATE OF KANSAS)
) SS
COUNTY OF BARTON)