



# OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

July 11, 1968

TEC Drilling Company, Inc.  
P.O. Box 693  
El Dorado, Kansas 67042

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Vern Lease, Well No. 1, Coffey County, Kansas, and submitted to our laboratory on July 10, 1968.

This core is from a virgin territory and was sampled and the samples sealed in tin cans by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:wd

5 c. - El Dorado, Kansas



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-LOG-

Company TEC Drilling Company, Inc. Lease Vern Well No. 1

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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1112.0 - 1113.1 - Dark fine grained sandstone.

1113.1 - 1113.8 - Gray limestone.

1113.8 - 1116.5 - Dark fine grained slightly shaly sandstone.

1116.5 - 1117.4 - Dark shaly sandstone.

1117.4 - 1118.5 - Gray shale.

1118.5 - 1122.8 - Dark fine grained slightly shaly sandstone  
containing streaks of shale.

1122.8 - 1124.0 - Gray sandy shale.

1124.0 - 1130.5 - Gray sandy shale (discarded at well).

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company TEC Drilling Company, Inc. Lease Vern Well No. 1

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation		Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water			Ft.	Cum. Ft.		
1	1112.1	14.5	44	21	495	10.	1.1	1.1	544	11.00
2	1114.1	19.4	59	16	888	84.	0.8	1.9	710	67.20
3	1115.1	19.0	45	29	664	73.	1.0	2.9	664	73.00
4	1116.1	15.9	38	47	469	15.	0.9	3.8	423	13.50
5	1117.3	19.0	49	31	723	6.8	0.9	4.7	651	6.12
6	1118.6	21.5	47	25	784	42.	0.6	5.3	470	25.20
7	1119.5	21.3	37	25	612	89	0.9	6.2	551	80.10
8	1120.5	19.7	43	27	657	13.	1.0	7.2	657	13.00
9	1121.5	18.1	42	33	590	30.	0.9	8.1	531	27.00
10	1122.6	19.6	55	25	836	42.	0.8	8.9	669	33.60