



OILFIELD RESEARCH LABORATORIES

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

June 1, 1966

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

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Derringer "B" Lease, Well No. 4, Woodson County, Kansas, and submitted to our laboratory on May 27, 1966.

This core was sampled and the samples sealed in cans by a representative of Oilfield Research Laboratories. The well was drilled in virgin territory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:rf

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19-23-16E

Derringer "B" 4

-LOG-Company TEC Drilling Co., Inc. Lease Derringer "B" Well No. 4

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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1037.0 - 1044.6	- Dark brown, slightly shaly sandstone.
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1044.6 - 1046.3	- Gray and brown, shaly sandstone.
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1046.3 - 1051.0	- Shale.
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company TEC Drilling Company, Inc. Lease Derringer "B" Well No. 4

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	Total			Ft.	Cum. Ft.		
1	1038.1	19.5	53	29	82	800	36.	1.6	1.6	1,280	57.60
2	1039.1	19.3	54	19	73	808	59.	1.0	2.6	808	59.00
3	1040.1	19.2	53	20	73	789	42.	1.0	3.6	789	42.00
4	1041.1	21.6	57	18	75	954	104.	1.0	4.6	954	104.00
5	1042.3	20.6	52	28	80	831	10.	1.0	5.6	831	10.00
6	1043.3	16.3	45	38	83	568	26.	1.0	6.6	568	26.00
7	1044.1	21.1	57	11	68	931	49.	1.0	7.6	931	49.00
8	1045.1	15.7	42	48	90	511	5.5	1.0	8.6	511	5.50
9	1046.1	16.0	86	8	94	1,068	0.19	0.7	9.3	754	0.13
								Total	-----	7,426	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company TEC Drilling Company, Inc. Lease Derringer "B" Well No. 4

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
1037.0 - 1044.6	7.6	45.6	347.60
1044.6 - 1046.3	1.7	3.3	5.63
1037.0 - 1046.3	9.3	38.0	353.23

Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
1037.0 - 1044.6	7.6	19.7	53.0	23.8	811	6,161
1044.6 - 1046.3	1.7	15.8	60.3	31.6	745	1,265
1037.0 - 1046.3	9.3	19.0	54.4	25.2	799	7,426