



# OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

April 12, 1979

Estoril Producing Company  
c/o Ralph Viney  
511 N. Main  
Shelton Building  
Midland, Texas 70701

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the White Lease, Well No. 7, Wilson County, Kansas, and submitted to our laboratory on April 10, 1979.

The core was sampled by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Benjamin R. Pearman*  
Benjamin R. Pearman

SAM:km

4 c to Midland, Texas  
1 c to Bill Crowder  
815 W. 7th  
Chanute, Kansas 66720



## OILFIELD RESEARCH LABORATORIES

## LOG

Company Estoril Producing Company Lease White Well No. 7

<u>Depth Interval, Feet</u>	<u>Description</u>
986.0 - 987.3	Light brown sandstone.
987.3 - 987.5	Gray shale.
987.5 - 988.8	Light brown sandstone.
988.8 - 989.5	Gray shale.
989.5 - 989.8	Grayish light brown very shaly sandstone.
989.8 - 995.0	Brown sandstone.
995.0 - 995.7	Gray shale.
995.7 - 996.2	Light brown sandstone.
996.2 - 997.3	Gray shale.
997.3 - 999.8	Brown sandstone.
999.8 - 1000.5	Light brown very shaly sandstone.
1000.5 - 1001.1	Black shale.
1001.1 - 1001.6	Coal.
1001.6 - 1007.8	Gray sandy shale.

**Oilfield Research Laboratories**  
**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE 1-B**

Company Estoril Producing Company Lease White Well No. 7

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	986.5	13.8	24	54	78	257	1.6	1.3	1.3	334	2.08
2	987.7	14.2	17	60	77	187	20.	0.5	1.8	94	10.00
3	988.7	14.1	26	49	75	284	61.	0.8	2.6	227	48.80
4	989.7	10.7	17	72	89	141	Imp.	0.3	2.9	42	0.00
5	990.4	19.1	42	33	75	622	13.	1.2	4.1	746	15.60
6	991.5	16.5	30	47	77	384	2.0	1.0	5.1	384	2.00
7	992.5	19.4	42	34	76	632	12.	1.0	6.1	632	12.00
8	993.5	17.3	36	46	82	483	32.	1.0	7.1	483	32.00
9	994.5	17.6	45	33	78	614	72.	1.0	8.1	614	72.00
10	995.8	18.7	21	40	61	305	13.	0.5	8.6	153	6.50
11	997.5	18.4	42	30	72	600	31.	0.7	9.3	420	21.70
12	998.6	16.5	44	38	82	563	40.	1.0	10.3	563	40.00
13	999.6	14.4	32	61	93	358	3.3	0.8	11.1	286	2.64
14	1000.4	8.3	51	44	95	328	0.46	0.7	11.8	230	0.32

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	White	Well No.	
Estoril Producing Company			7	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	
986.0 - 989.8	2.6	23.4	60.88	
989.8 - 1000.5	8.9	23.0	204.76	
986.0 - 1000.5	11.5	23.1	265.64	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
986.0 - 989.8	2.9	22.6	240	697
989.8 - 1000.5	8.9	39.2	507	4,511
986.0 - 1000.5	11.8	35.1	441	5,208