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

April 12, 1982

Rebel Resources, Inc.
c/o Vic Leis
Box 223
Yates Center, Kansas 66783

Gentlemen:

Enclosed herewith is the report of the analysis of the rotary core taken from the Eck Lease, Well No. 4, located in Wilson County, Kansas and submitted to our laboratory on April 7, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Yates Center, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Rebel Resources, Inc. Lease Eck Well No. 4

Location 10' SNL & 600' WEL, SE¼, SE¼, SE¼

Section 24 Twp. 27S Rge. 13E County Wilson State Kansas

Elevation, Feet	
Name of Sand	Squirrel
Top of Core	1080.0
Bottom of Core	1088.3
Top of Sand	1080.0
Bottom of Sand	1088.3
Total Feet of Permeable Sand	8.3
	0.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 2	2.9	2.9
13 - 21	5.4	8.3

Average Permeability Millidarcys	11.6
Average Percent Porosity	16.3
Average Percent Oil Saturation	48.6
Average Percent Water Saturation	33.4
Average Oil Content, Bbls./A. Ft.	612.
Total Oil Content, Bbls./Acre	5,080.
	0.
	0.
	0.
	0.

The core was sampled and the samples sealed in plastic bags by a representative of the client. Fresh water mud was used as a drilling fluid.

Since the core did not respond to flooding susceptibility tests, no calculated recovery is given.

FORMATION CORED

The detailed log of the formation cored is as follows:

Depth Interval, Feet	Description
1080.0 - 1085.4	Brown sandstone.
1085.4 - 1088.3	Brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Rebel Resources, Inc. **Lease** Eck **Well No.** 3

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	1080.4	17.0	40	42	82	528	15.	1.0	1.0	528	15.00
2	1081.6	17.4	49	32	81	661	20.	1.0	2.0	661	20.00
3	1082.7	17.1	43	37	80	570	18.	1.0	3.0	570	18.00
4	1083.2	17.6	45	34	79	614	20.	1.0	4.0	614	20.00
5	1084.4	16.9	54	31	85	708	13.	1.4	5.4	991	18.20
6	1085.6	15.6	64	27	91	775	1.6	0.8	6.2	620	1.28
7	1086.5	15.9	35	41	76	432	1.5	1.0	7.2	432	1.50
8	1087.3	13.2	59	24	83	604	1.9	1.1	8.3	664	2.09

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Rebel Resources, Inc. Lease Eck Well No. 4

Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
1080.0 - 1085.4	5.4	16.9	91.20
1085.4 - 1088.3	2.9	1.7	4.87
1080.0 - 1088.3	8.3	11.6	96.07

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
1080.0 - 1085.4	5.4	17.2	46.8	34.9	623	3,364
1085.4 - 1088.3	2.9	14.8	52.1	30.7	592	1,716
1080.0 - 1088.3	8.3	16.3	48.6	33.4	612	5,080

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RESULTS OF LABORATORY FLOODING TESTS

TABLE IV

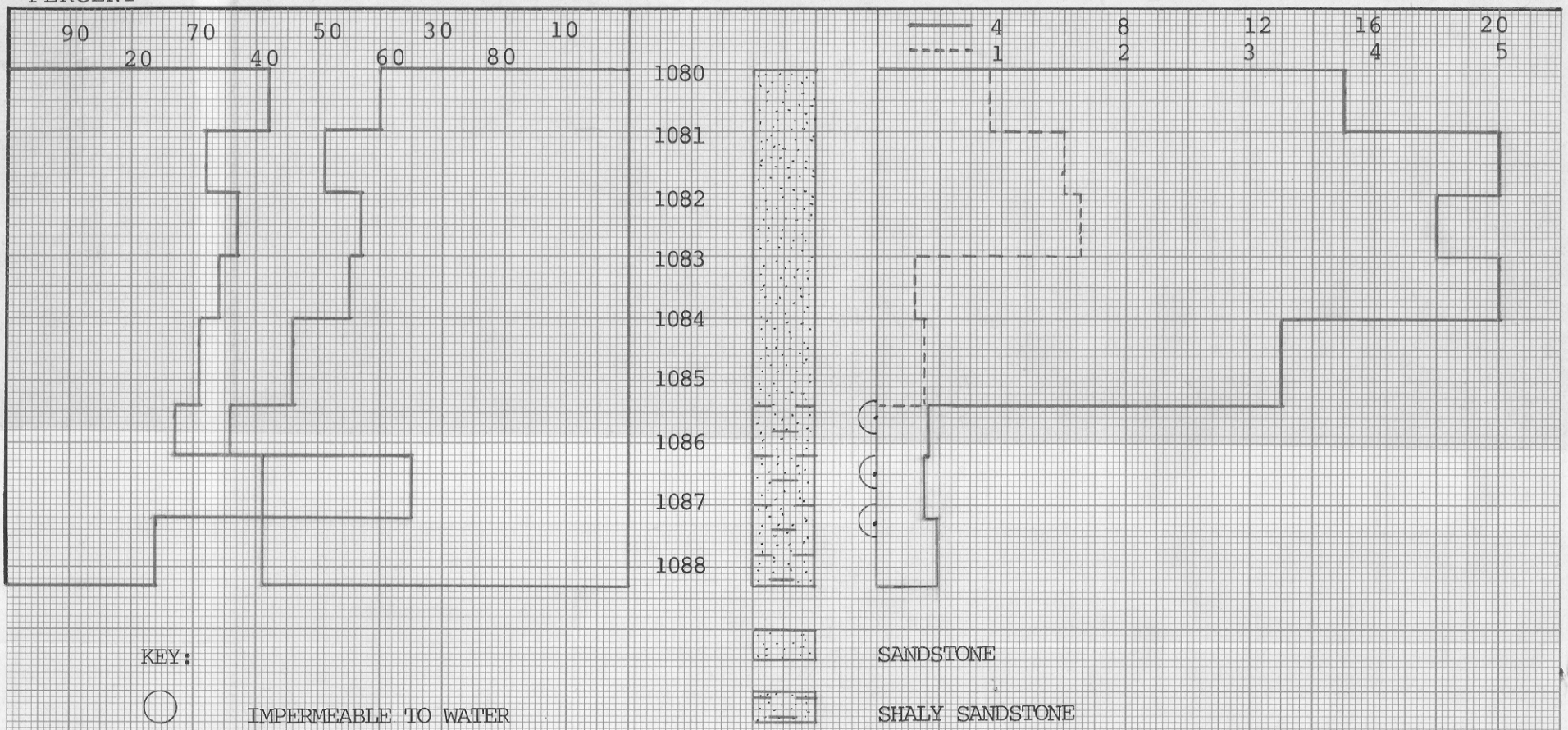
Company Rebel Resources, Inc. Lease Eck Well No. 4

Sample No.	Depth, Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery		Residual Saturation			Volume of Water Recovered cc*	Effective Permeability Millidarcys**	Initial Fluid Production Pressure Lbs./Sq./In.
			%	Bbls./A. Ft.	%	Bbls./A. Ft.	% Oil	% Water	Bbls./A. Ft.			
1	1080.4	17.2	40	534	0	0	40	44	534	56	0.90	30
2	1081.6	17.3	49	658	0	0	49	35	658	54	1.50	30
3	1082.7	16.6	44	567	0	0	44	39	567	24	1.63	35
4	1083.2	17.5	45	611	0	0	45	36	611	24	0.30	35
5	1084.4	17.3	53	711	0	0	53	33	711	24	0.37	40
6	1085.6	15.7	64	780	0	0	64	28	780	0	Imp.	-
7	1086.5	15.9	35	432	0	0	35	42	432	0	Imp.	-
8	1087.3	13.5	58	607	0	0	58	25	607	0	Imp.	-

Notes: cc—cubic centimeter.

*—Volume of water recovered at the time of maximum oil recovery.

**—Determined by passing water through sample which still contains residual oil.



REBEL RESOURCES, INC.

ECK LEASE

WELL NO. 4

WILSON COUNTY, KANSAS

IMPERMEABLE TO WATER

SHALY SANDSTONE

REBEL RESOURCES, INC.

ECK LEASE

WELL NO. 4

WILSON COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCYS	CALCULATED OIL RECOVERY BBLS. / ACRE
1080.0 - 1085.4	5.4	17.2	46.8	34.9	16.9	
1085.4 - 1088.3	2.9	14.8	52.1	30.7	1.7	
1080.0 - 1088.3	8.3	16.3	48.6	33.4	11.6	-

OILFIELD RESEARCH LABORATORIES
CHANUTE, KANSAS
APRIL, 1982

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