



OILFIELD RESEARCH LABORATORIES

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

October 5, 1968

Partners Production Company
Box 192
Wellsville, Kansas 66092

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Good Lease, Well No. 2-A, Franklin County, Kansas, and submitted to our laboratory on October 1 and 3, 1968.

This core is from a virgin territory and was sampled and submitted to our laboratory by the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:dp

5 c. - Wellsville, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

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-LOG-

Company Partners Production Company Lease Good Well No. 2-A

Depth Interval, Feet	Description
	Upper Sand
626.5 - 628.5	Light brown fine grained sandstone.
628.5 - 629.5	Light brown micaceous shaly sandstone.
629.5 - 632.5	Dark brown fine grained sandstone.
632.5 - 634.5	Light brown fine grained slightly shaly sandstone.
634.5 - 636.5	Brown fine grained sandstone.
636.5 - 637.5	Grayish brown micaceous shaly sandstone.
637.5 - 638.5	Brown fine grained sandstone.
	Lower Sand
681.0 - 682.0	Dark micaceous slightly carbonaceous sandstone.
682.0 - 684.0	No core.
684.0 - 685.0	Brown micaceous shaly sandstone.
685.0 - 689.0	No core.
689.0 - 690.0	Gray and brown laminated sandstone and shale.
690.0 - 698.0	No core.
698.0 - 699.0	Brown micaceous shaly sandstone.
699.0 - 702.0	No core.
702.0 - 703.0	Gray and brown laminated sandstone and shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Partners Production Company Lease Good Well No. 2-A

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	627	20.8	34	45	79	UPPER SAND	3.6	1.0	1.0	549	3.60
2	628	22.2	26	40	66		24.	1.0	2.0	465	24.11
3	629	19.3	52	42	94		11.	1.0	3.0	779	11.00
4	630	20.9	32	35	67		69.	1.0	4.0	519	69.00
5	631	23.9	41	31	72		135.	1.0	5.0	760	135.00
6	632	23.4	34	29	63		70.	1.0	6.0	617	70.00
7	633	14.7	33	61	94		0.59	1.0	7.0	376	0.59
8	634	19.2	49	38	87		55.	1.0	8.0	730	55.00
9	635	18.8	55	33	88		3.3	1.0	9.0	802	3.30
10	636	18.4	46	49	95		1.7	1.0	10.0	657	1.70
11	637	17.5	39	56	95		2.5	1.0	11.0	530	2.50
12	638	19.6	35	38	73		17.	1.0	12.0	517	17.00
13	681.5	18.9	38	39	77	LOWER SAND	39.	1.0	13.0	557	39.00
14	684.5	17.5	24	55	79		0.24	1.0	14.0	326	0.24
15	689.5	17.1	21	72	93		3.2	1.0	15.0	279	3.20
16	698.5	18.1	32	64	96		5.1	1.0	16.0	449	5.10
17	702.5	18.4	37	57	94		Imp.	1.0	17.0	528	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Partners Production Company	Lease	Good	Well No.	2-A
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
UPPER SAND					
626.5 - 638.5	12.0	32.7	392.69		
LOWER SAND					
681.0 - 703.0	4.0	11.9	47.54		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
UPPER SAND					
626.5 - 638.5	12.0	19.9	39.7	608	7,301
LOWER SAND					
681.0 - 703.0	5.0	18.0	30.4	428	2,139