



OILFIELD RESEARCH LABORATORIES

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

April 27, 1968

Mr. Paul W. Meyers
603 East 11th
Coffeyville, Kansas 67337

Gentlemen:

Enclosed herewith are the results of tests run on the Rotary core taken from the Clark-Hudson Lease, Well No. C-15, Montgomery County, Kansas, and submitted to our laboratory on April 23, 1968.

This core is from a virgin territory and was sampled by us after being received in our laboratory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:bjc

5 c. - Coffeyville, Kansas

17-34-17E
CLARK-HUDSON C-15

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Paul W. Meyers Lease Clark-Hudson Well No. C-15

Location _____

Section 17 Twp. 34S Rge. 17E County Montgomery State Kansas

Name of Sand	Bartlesville
Top of Core	612.0
Bottom of Core	630.0
Top of Sand (Received)	612.0
Bottom of Sand (Received)	630.0
Total Feet of Permeable Sand (Analyzed)	17.0
Total Feet of Floodable Sand	-

Distribution of Permeable Sand:
Permeability Range
Millidarcys

	Feet	Cum. Ft.
0 - 50	1.4	1.4
50 - 100	6.3	7.7
100 - 200	7.3	15.0
200 & above	2.0	17.0

Average Permeability Millidarcys	119.2
Average Percent Porosity	21.2
Average Percent Oil Saturation	37.6
Average Percent Water Saturation	44.1
Average Oil Content, Bbls./A. Ft.	621.
Total Oil Content, Bbls./Acre	10,560.
Average Percent Oil Recovery by Laboratory Flooding Tests	-
Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.	-
Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre	-
Total Calculated Oil Recovery, Bbls./Acre	-
Packer Setting, Feet	-
Viscosity, Centipoises @	-
A. P. I. Gravity, degrees @ 60 °F	-
Elevation, Feet	-

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- LOG -

Company Paul W. Meyers Lease Clark-Hudson Well No. C-15

Depth Interval, Description
Feet

612.0 - 619.3 - Brown slightly laminated carbonaceous sandstone.

619.3 - 619.8 - Laminated carbonaceous sandstone.

619.8 - 627.2 - Brown slightly laminated carbonaceous sandstone.

627.2 - 627.7 - Brown laminated carbonaceous shaly sandstone.

627.7 - 630.0 - Brown slightly laminated carbonaceous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Paul W. Meyers Lease Clark-Hudson Well No. C-15

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbbs. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	612.5	21.6	40	37	77	670	94.	1.0	1.0	670	94.00
2	613.5	23.7	34	36	70	625	116.	1.0	2.0	625	116.00
3	614.5	20.6	33	46	79	527	121.	1.0	3.0	527	121.00
4	615.5	22.4	40	40	80	695	310.	1.0	4.0	695	310.00
5	616.5	17.0	29	57	86	383	167.	1.0	5.0	383	167.00
6	617.5	21.3	36	43	79	595	153.	1.0	6.0	595	153.00
7	618.5	22.0	37	46	83	632	140.	1.3	7.3	821	182.00
8	620.1	23.7	46	36	82	846	90.	0.8	8.1	677	72.00
9	621.1	22.8	40	39	79	708	101.	1.0	9.1	708	101.00
10	622.1	22.3	32	47	79	554	88.	1.0	10.1	554	88.00
11	623.1	21.4	42	43	85	697	89.	1.0	11.1	697	89.00
12	624.1	17.0	48	48	96	633	218.	1.0	12.1	633	218.00
13	625.1	20.3	42	49	91	662	28.	1.0	13.1	662	28.00
14	626.1	21.3	40	37	77	661	63.	1.0	14.1	661	63.00
15	627.1	22.2	38	47	85	654	75.	0.6	14.7	392	45.00
16	628.1	21.1	32	50	82	524	62.	0.9	15.6	472	55.80
17	629.1	21.7	35	47	82	590	110.	1.0	16.6	590	110.00
18	629.9	19.9	32	48	80	494	37.	0.4	17.0	198	14.80

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SUMMARY OF PERMEABILITY & SATURATION TESTS

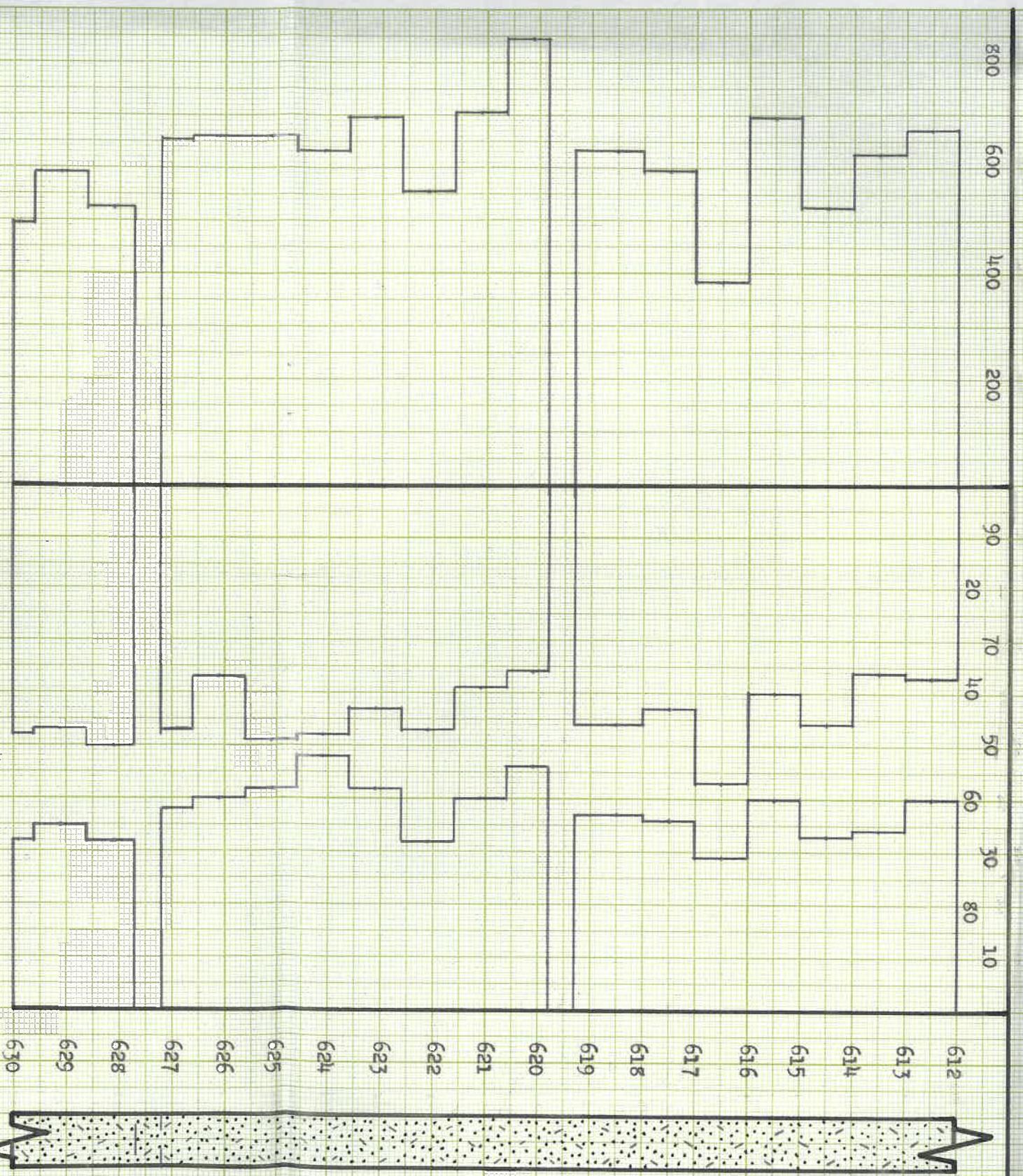
TABLE III

Company	Lease	Well No.				
Paul W. Meyers	Clark-Hudson	C-15				
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.			
612.0 - 619.3	7.3	156.7	1,143.00			
619.8 - 630.0	9.7	91.2	884.60			
612.0 - 630.0	17.0	119.2	2,027.60			
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
612.0 - 619.3	7.3	21.3	35.6	43.7	591.	4,316.
619.8 - 630.0	9.7	21.2	39.2	44.5	644.	6,244.
612.0 - 630.0	17.0	21.2	37.6	44.1	621.	10,560.

OIL CONTENT
BBLS./A. FT.

WATER SAT.,
PERCENT

OIL SAT.,
PERCENT

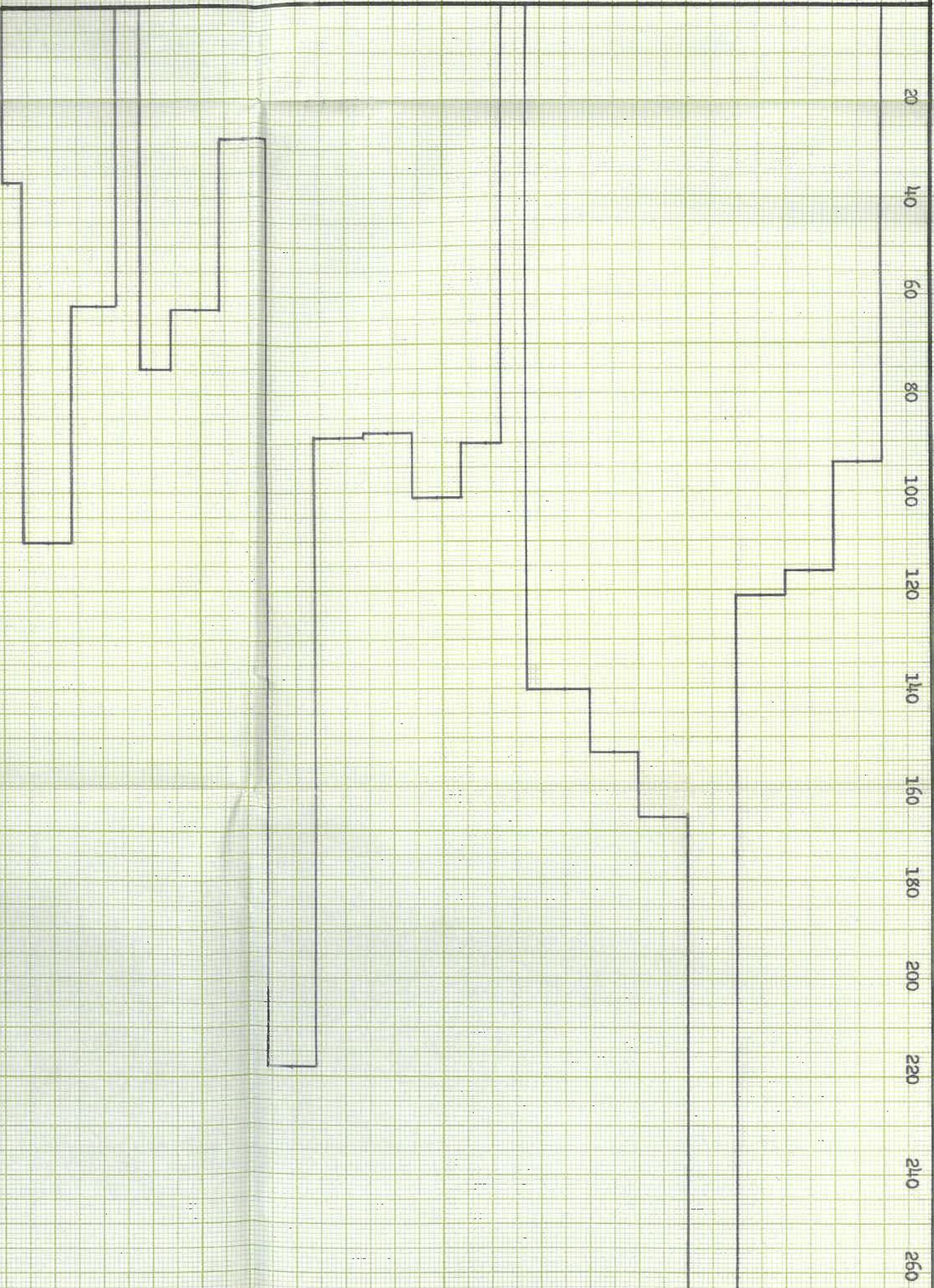


DEPTH INTERVAL FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. SATUR. PER
612.0 - 619.3	7.3	21.3	35.6	43
619.8 - 630.0	9.7	21.2	39.2	44
612.0 - 630.0	17.0	21.2	37.6	44

PAUL

CHARL-HUDSON
MONTGOMERY

AIR PERMEABILITY, MILLIDARCYs



CARBONACEOUS SHALE SANDSTONE

PAUL W. MEYERS

CLARK-HUDSON LEASE
MONTGOMERY COUNTY, KANSAS
WELL NO. C-15

PERCENT OIL SATURATION	AVG. WATER SATURATION PERCENT	AVG. OIL CONTENT BRIS./A. FT.	TOTAL OIL CONTENT BRIS./ACRE	AVG. AIR PERMEABILITY MILLIDARCYs
35.6	43.7	591.	4,316.	156.7
39.2	44.5	641.	6,241.	91.2
37.6	44.1	621.	10,560.	119.2

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CHANDLER, KANSAS
APRIL, 1968