

OILFIELD RESEARCH LABORATORIES

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

April 17, 1981

Pancana Resources, Ltd.
Box 5596
Midland, Texas 79701

Gentlemen:

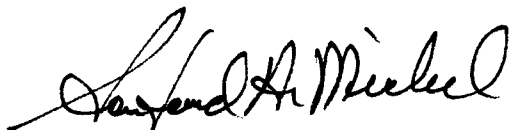
Enclosed herewith are the results of tests run on the rotary core taken from the Gordon Lease, Well No. 10, located in Woodson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on April 7, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/kas

7 c to Midland, Texas

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GENERAL INFORMATION & SUMMARY

Company Pancana Resources, Ltd. Lease Gordon Well No. 10
 Location NE NE SE $\frac{1}{2}$
 Section 13 Twp. 24S Rge. 15E County Woodson State Kansas

Elevation, Feet

Name of Sand

Upper Squirrel

Top of Core

1109.0

Bottom of Core

1120.7

Top of Sand

1109.0

Bottom of Sand (Tested)

1119.4

Total Feet of Permeable Sand

10.4

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 60

5.8

5.8

60 & Above

4.6

10.4

Average Permeability Millidarcys

47.8

Average Percent Porosity

19.0

Average Percent Oil Saturation

42.1

Average Percent Water Saturation

29.6

Average Oil Content, Bbls./A. Ft.

621.

Total Oil Content, Bbls./Acre

6,456.

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LOG

Name Pancana Resources, Ltd. Lease Gordon Well No. 10

<u>Depth Interval, Feet</u>	<u>Description</u>
1109.0 - 1110.3	Brown slightly shaly sandstone.
1110.3 - 1119.4	Dark brown sandstone.
1119.4 - 1120.2	Brown and gray laminated sandstone.
1120.2 - 1120.7	Gray sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Pancana Resources, Ltd. Lease Gordon Well No. 10

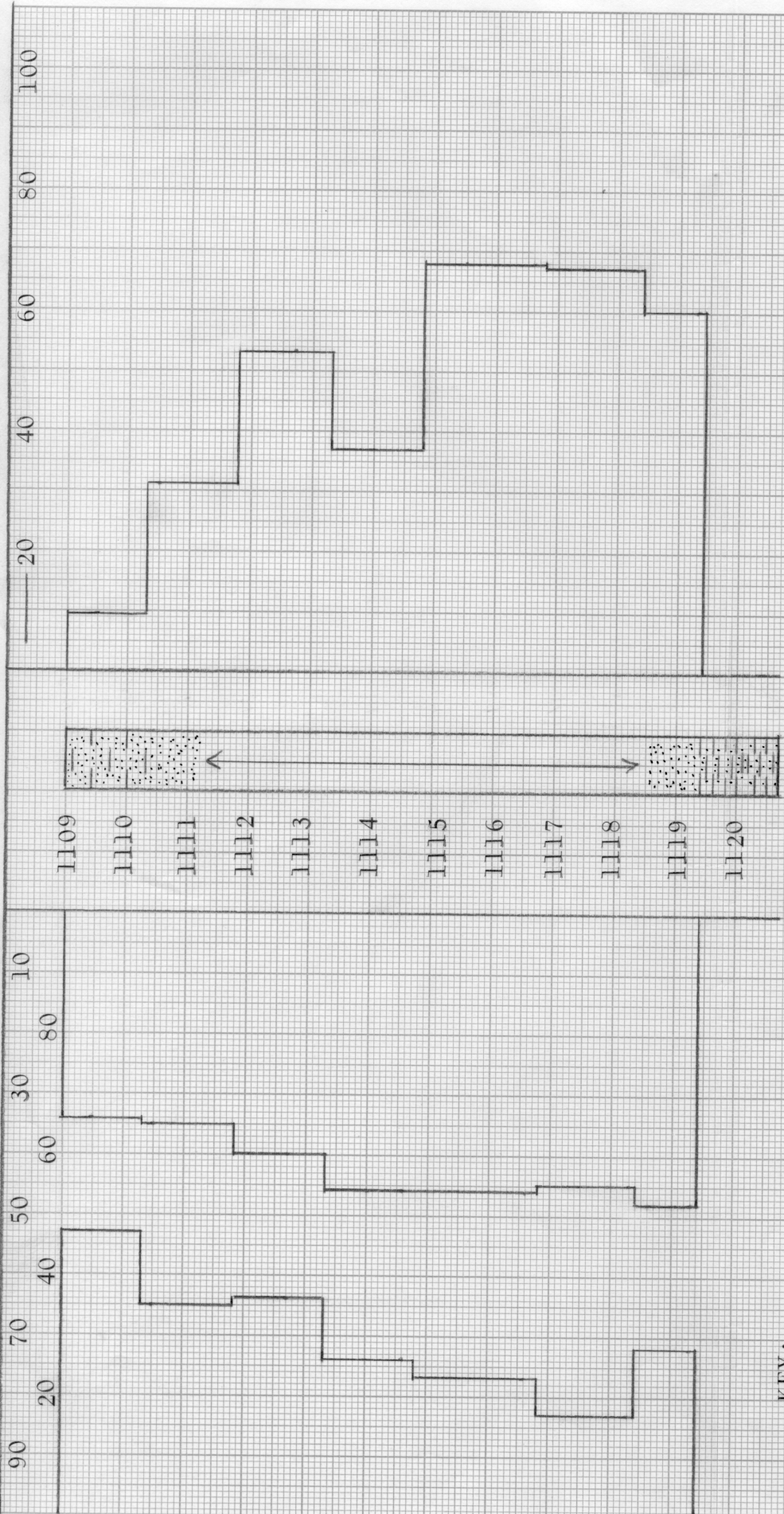
Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	1109.5	18.3	34	47	81	483	9.4	1.3	1.3	628	12.22
2	1110.5	19.1	35	35	70	519	31.	1.5	2.8	779	46.50
3	1112.7	18.7	40	36	76	580	53.	1.5	4.3	870	79.50
4	1114.6	19.5	46	26	72	696	37.	1.5	5.8	1044	55.50
5	1116.6	20.5	46	23	69	732	68.	2.0	7.8	1464	136.00
6	1118.3	17.7	45	17	62	618	67.	1.6	9.4	989	107.20
7	1119.3	18.3	48	28	76	682	60.	1.0	10.4	682	60.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Well No.				
Pancana Resources, Ltd.	Gordon	10				
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Oil Saturation	Average Percent Water Saturation	Total Oil Content Bbls./Acres
1109.0 - 1119.4	10.4	47.8	496.92	42.1	29.6	621
1109.0 - 1119.4	10.4			42.1	29.6	6,456



KEY:



SANDSTONE



SANDY SHALE



SHALY SANDSTONE



LAMINATED SANDSTONE AND SHALE

PANCANA RESOURCES LIMITED

GORDON LEASE

WELL NO. 10

WOODSON COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCS
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1109.0 - 1119.4

10.4

19.0

42.1

29.6

47.8

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CHANUTE, KANSAS
APRIL, 1981

PDC