

OILFIELD RESEARCH LABORATORIES

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

July 31, 1981

Gator Oil Company
2326 S. Congress Ave.
Suite 1-B
West Palm Beach, Florida 33406

Gentlemen:

Enclosed herewith is the report of the analysis of the rotary core taken from the Coda Lease, Well No. 2, located in Montgomery County, Kansas and submitted to our laboratory on July 25, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/mkf

4 c to West Palm Beach, Fl.
1 c to Caney, Ks.

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Gator Oil Company Lease Coda Well No. 2
 Location _____
 Section 35 ^{RP} 14S ^T 34E County Montgomery State Kansas

Elevation, Feet

Name of Sand

BARTLESVILLE

Top of Core

1331.0

Bottom of Core

1339.0

Top of Sand

1331.0

Bottom of Sand

1339.0

Total Feet of Permeable Sand

8.0

Total Feet of Floodable Sand

0.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 10	6.0	6.0
10 - 20	2.0	8.0

Average Permeability Millidarcys

6.4

Average Percent Porosity

18.0

Average Percent Oil Saturation

19.9

Average Percent Water Saturation

55.5

Average Oil Content, Bbls./A. Ft.

273.

Total Oil Content, Bbls./Acre

2,180.

Average Percent Oil Recovery by Laboratory Flooding Tests

0.0

Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.

0.0

Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre

0.0

Total Calculated Oil Recovery, Bbls./Acre

0.0

-2-

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. The core was reported to be from a non-virgin area. 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, <u>Feet</u>	<u>Description</u>
1331.0 - 1337.0	Grayish light brown shaly sandstone.
1337.0 - 1339.0	Grayish light brown sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Gator Oil Company Lease Coda Well No. 2

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	1331.5	17.5	19	48	67	258	3.7	1.0	1.0	258	3.70
2	1332.4	13.5	31	57	88	325	0.54	1.0	2.0	325	0.54
3	1333.5	17.9	18	63	81	250	7.1	1.0	3.0	250	7.10
4	1334.6	17.8	13	49	62	180	6.1	1.0	4.0	180	6.10
5	1335.6	17.1	22	58	80	292	2.7	1.0	5.0	292	2.70
6	1336.6	16.9	19	64	83	249	3.3	1.0	6.0	249	3.30
7	1337.5	21.6	11	62	73	184	18.	1.0	7.0	184	18.00
8	1338.6	21.9	26	43	69	442	17.	1.0	8.0	442	17.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Gator Oil Company	Lease	Coda	Well No.	2
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
1331.0 - 1339.0	8.0	6.4	51.34		
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
1331.0 - 1339.0	8.0	18.0	19.9	55.5	2,180

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RESULTS OF LABORATORY FLOODING TESTS

TABLE IV

Well No. 2

Coda

Lease

Gator Oil Company

Company

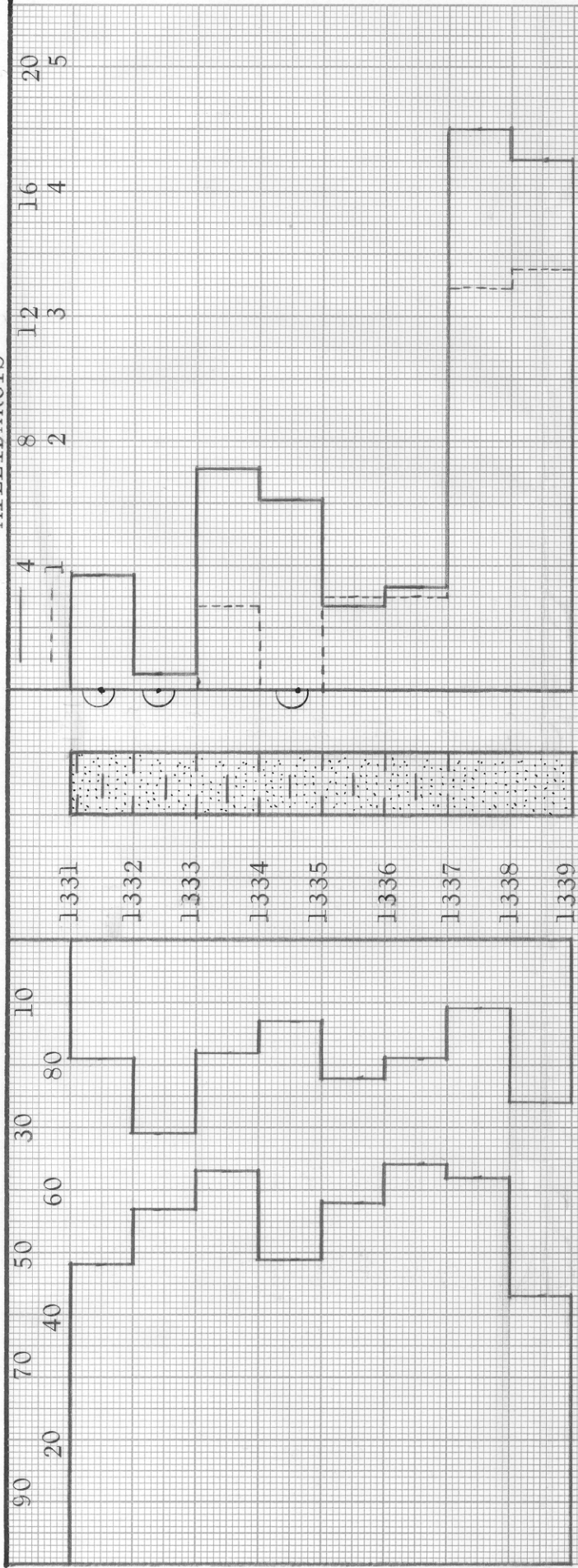
Sample No.	Depth, Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery		Residual Saturation			Volume of Water Recovered cc*	Effective Permeability Millidarcys**	Initial Fluid Production Pressure Lbs./Sq./In.
			%	Bbbls./A. Ft.	%	Bbbls./A. Ft.	% Oil	% Water	Bbbls./A. Ft.			
1	1331.5	17.4	19	256	0	0	19	50	256	0	Imp.	-
2	1332.4	13.6	31	327	0	0	31	58	327	0	Imp.	-
3	1333.5	17.8	18	249	0	0	18	77	249	18	0.67	45
4	1334.6	17.7	13	179	0	0	13	68	179	0	Imp.	-
5	1335.6	17.2	22	294	0	0	22	60	294	26	0.75	40
6	1336.6	17.0	19	251	0	0	19	78	251	54	0.75	30
7	1337.5	21.7	11	185	0	0	11	81	185	226	3.22	20
8	1338.6	21.8	26	440	0	0	26	71	440	196	3.37	20

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.

WATER SAT., PERCENT $\rightarrow$ $\leftarrow$ OIL SAT., PERCENT
 --- PERMEABILITY, IN MILLIDARCS
 --- EFFECTIVE PERMEABILITY TO WATER, IN MILLIDARCS



KEY:



SANDSTONE



SHALY SANDSTONE



IMPERMEABLE TO WATER

GATOR OIL COMPANY

CODA LEASE

WELL NO. 2

MONTGOMERY COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCY	CALCULATED OIL RECOVERY BBLs. / ACRE
1331.0 - 1339.0	8.0	18.0	19.9	55.5	6.4	-

GATOR OIL COMPANY

CODA LEASE

WELL NO. 2

MONTGOMERY COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE		AVG. OIL		AVG. WATER		AVERAGE		CALCULATED	
		PERCENT		SATURATION		SATURATION		PERMEABILITY,		OIL RECOVERY	
		POROSITY		PERCENT		PERCENT		MILLIDARCY		BBLs. / ACRE	

1331.0 - 1339.0 8.0

18.0

19.9

55.5

6.4

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OILFIELD RESEARCH LABORATORIES
CHANUTE, KANSAS
JULY, 1981

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