

OILFIELD RESEARCH LABORATORIES

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

May 19, 1980

Yenom Oil Company
841 North Broadway
Wichita, Kansas 67214

Gentlemen:

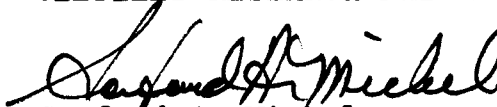
Enclosed herewith are the results of tests run on the rotary cores taken from the R. Wiles Lease, Well No. 2, Allen County, Kansas, and submitted to our laboratory on May 9, 1980.

The cores were sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem

1 c Kayla Fink, Miami, Florida
1 c George Abbott, Miami, Florida
1 c Mollie J. Beardsley, Miami, Florida
1 c C.E. Hoffman, Hialeah, Florida
3 c to Wichita, Kansas

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Yenom Oil Company Lease R. Wiles Well No. 2
 Location 165' SNL & 165' WEL
 Section 31 Twp. 26S Rge. 18E County Allen State Kansas

Elevation, Feet		
Name of Sand	Bartlesville Sand	Tucker Sand
Top of Core	785.0	860.0
Bottom of Core	794.0	880.7
Top of Sand	785.0	860.0
Bottom of Sand	793.5	879.5
Total Feet of Permeable Sand	6.3	18.2

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

BARTLESVILLE SAND

0 - 4	4.7	4.7
12 & Above	1.6	6.3

TUCKER SAND

0 - 10	5.7	5.7
10 - 20	5.6	11.3
20 - 40	5.9	17.2
60 & Above	1.0	18.2
Average Permeability Millidarcys		6.0
Average Percent Porosity		13.0
Average Percent Oil Saturation		16.7
Average Percent Water Saturation		67.6
Average Oil Content, Bbls./A. Ft.		184.
Total Oil Content, Bbls./Acre		1,416.

19.4
 17.6
 24.3
 51.5
 335.
 6,094.

LOGName Yenom Oil Company Lease R. Wiles Well No. 2Depth Interval,
FeetDescriptionBARTLESVILLE SAND

785.0 - 786.1	Grayish brown very shaly sandstone.
786.1 - 787.4	Brown and gray laminated sandstone and shale.
787.4 - 788.2	Brown slightly calcareous sandstone.
788.2 - 789.1	Brown slightly carbonaceous slightly calcareous shaly sandstone.
789.1 - 789.9	Grayish brown laminated sandstone and shale.
789.9 - 790.7	Brown slightly calcareous sandstone.
790.7 - 792.1	Brown slightly calcareous carbonaceous shaly sandstone.
792.1 - 793.5	Light brown very shaly sandstone.
793.5 - 794.0	Gray sandy shale.

TUCKER SAND

860.0 - 860.8	Brown shaly sandstone.
860.8 - 861.6	Brown sandstone
861.6 - 861.9	Gray sandy shale.
861.9 - 862.9	Brown sandstone.
862.9 - 863.3	Brown shaly sandstone.
863.3 - 866.1	Brown sandstone.
866.1 - 869.8	Brown and gray laminated sandstone and shale.
869.8 - 871.0	Brown sandstone.
871.0 - 872.0	Gray sandy shale.
872.0 - 872.8	Brown shaly sandstone.
872.8 - 879.5	Brown sandstone.
879.5 - 880.7	Gray laminated sandstone and shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Yenom Oil Company Lease Wiles 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			Ft.	Cum. Ft.		
<u>BARTLESVILLE SAND</u>										
1	785.5	9.7	4	82	86	1.8	1.1	1.1	33	1.98
2	786.5	9.4	5	80	85	0.54	1.3	2.4	47	0.70
3	787.5	17.3	19	49	68	12.	0.8	3.2	204	9.60
4	788.9	16.4	20	52	72	3.1	0.9	4.1	230	2.79
5	790.4	15.6	29	36	65	28.	0.8	4.9	281	22.40
6	792.0	15.2	23	75	98	0.28	1.4	6.3	379	0.39
7	793.1	10.6	21	76	97	Imp.	1.4	7.7	242	0.00
<u>TUCKER SAND</u>										
1	860.1	13.7	12	80	92	2.1	0.8	0.8	102	1.68
2	861.2	18.1	25	57	82	11.	0.8	1.6	281	8.80
3	862.3	11.1	22	61	83	15.	1.0	2.6	189	15.00
4	863.2	14.6	24	63	87	7.8	0.4	3.0	109	3.12
5	864.3	18.1	31	46	77	15.	1.8	4.8	783	27.00
6	865.5	18.8	13	51	64	19.	1.0	5.8	190	19.00
7	866.7	16.7	12	61	73	6.2	1.0	6.8	155	6.20
8	867.9	18.8	31	40	71	3.1	1.7	8.5	768	5.27
9	869.5	18.8	22	50	72	1.6	1.0	9.5	321	1.60
10	870.7	19.2	19	48	67	28.	1.2	10.7	340	33.60
11	872.3	17.3	29	50	79	6.2	0.8	11.5	311	4.96
12	873.5	19.5	22	48	70	32.	1.7	13.2	566	54.40
13	875.0	20.0	30	42	72	62.	1.0	14.2	466	62.00
14	876.1	15.6	35	52	87	39.	1.0	15.2	424	39.00
15	877.2	15.8	26	55	81	10.	1.0	16.2	319	10.00
16	878.3	18.5	27	46	73	22.	1.0	17.2	388	22.00
17	879.3	19.7	25	55	80	39.	1.0	18.2	382	39.00

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

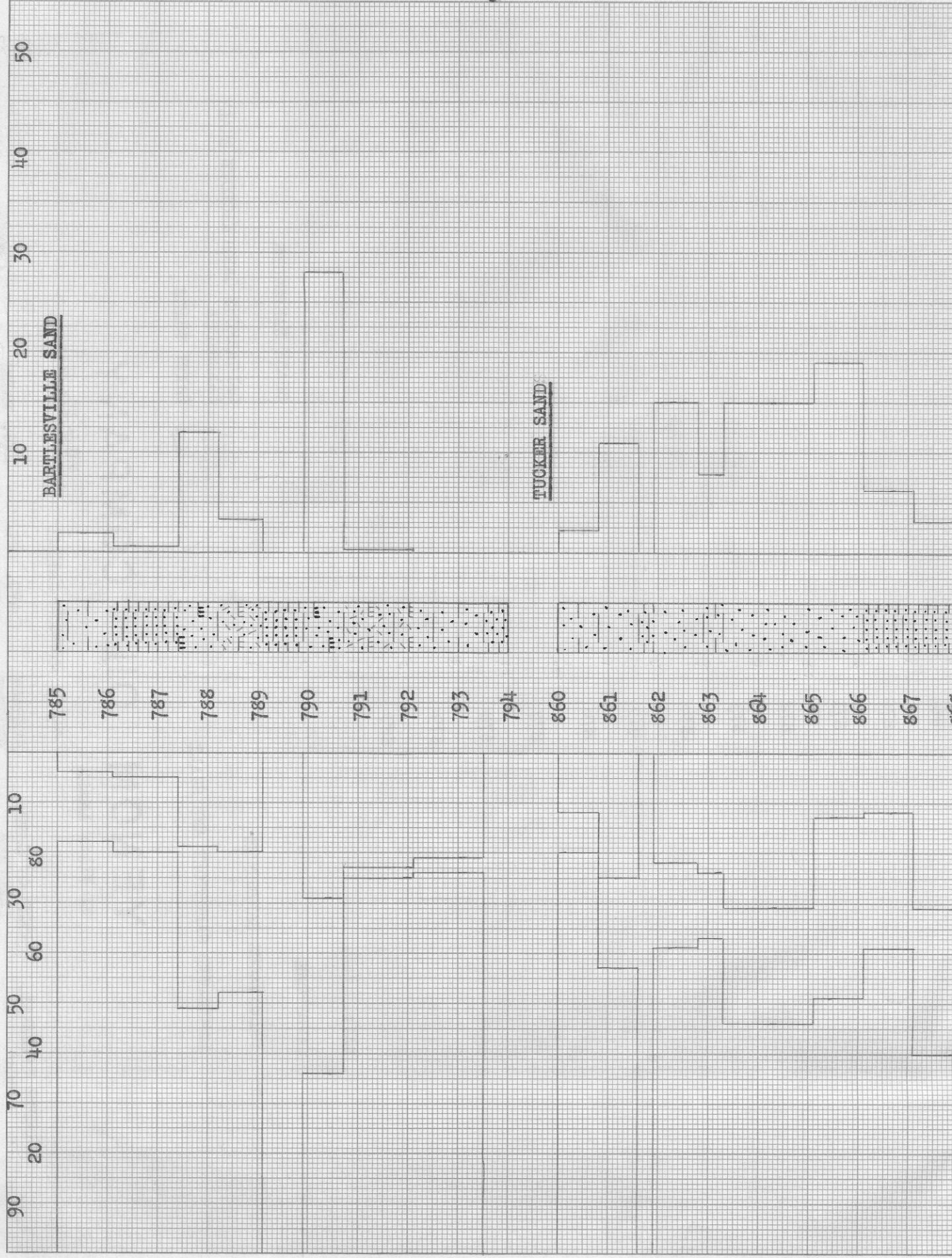
TABLE III

Company	Yenom Oil Company	Lease	Wiles	Well No.	2
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	

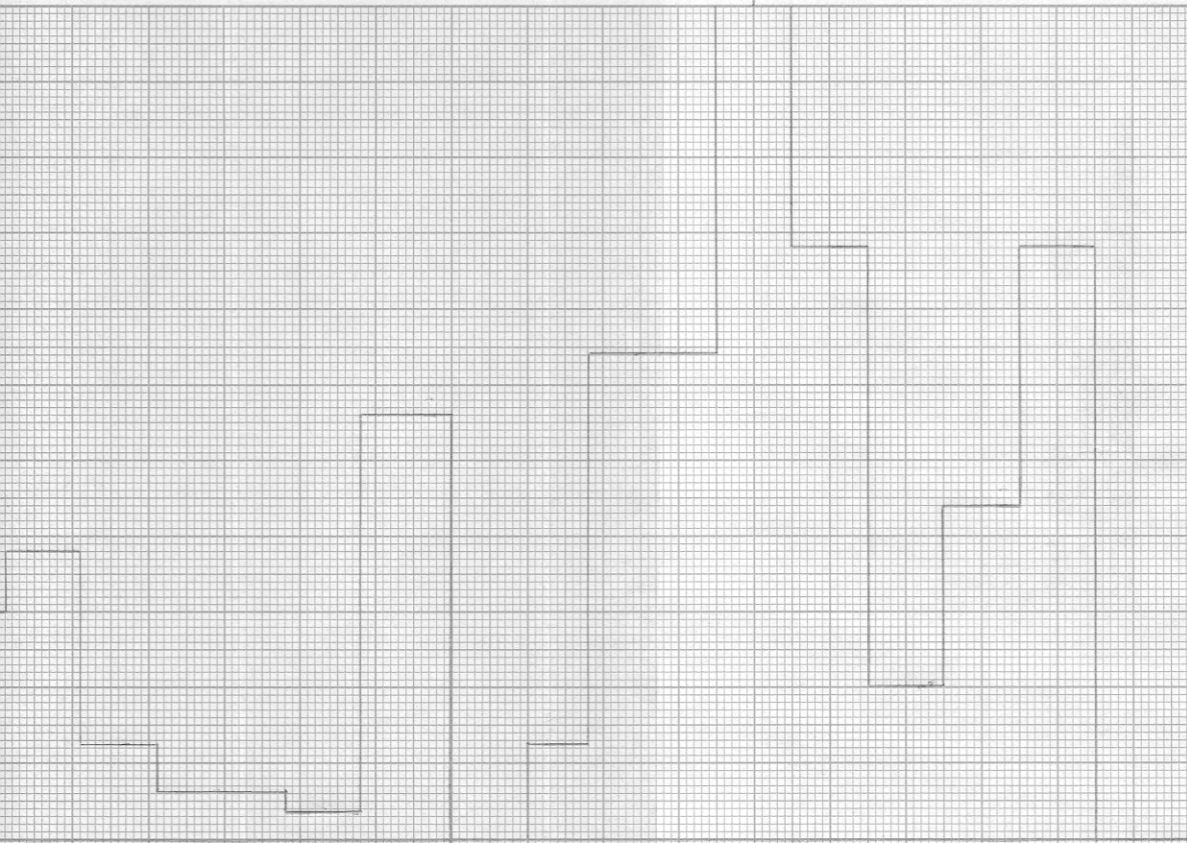
WATER SAT.,
PERCENT

OIL SAT.,
PERCENT

PERMEABILITY, IN MILLIDARCS



866
867
868
869
870
871
872
873
874
875
876
877
878
879
880



KEY:

 SANDSTONE

 CALCAREOUS SANDSTONE

 LAMINATED SANDSTONE AND SHALE

 SHALY SANDSTONE

 CALCAREOUS CARBONACEOUS SHALY SANDSTONE

 SANDY SHALE

YENOM OIL COMPANY



CALCAREOUS SANDSTONE



CALCAREOUS CARBONACEOUS SHALY
SANDSTONE



LAMINATED SANDSTONE AND SHALE



SANDY SHALE

YENOM OIL COMPANY

R. WILES LEASE

ALLEN COUNTY, KANSAS

WELL NO. 2

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE		AVG. OIL		AVG. WATER		AVERAGE	
		PERCENT		SATURATION		SATURATION		PERMEABILITY,	
		POROSITY		PERCENT		PERCENT		MILLIDARCYS	

BARTLESVILLE SAND

785.0 - 793.5	7.7	13.0	16.7	67.6	6.0
---------------	-----	------	------	------	-----

TUCKER SAND

860.0 - 879.5	18.2	17.6	24.3	51.5	19.4
---------------	------	------	------	------	------

OILFIELD RESEARCH LABORATORIES
CHANUTE, KANSAS
MAY, 1980.
ER