

OILFIELD RESEARCH LABORATORIES

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

January 21, 1980

Yenom Oil Company
841 North Broadway
Wichita, Kansas 67214

Gentlemen:

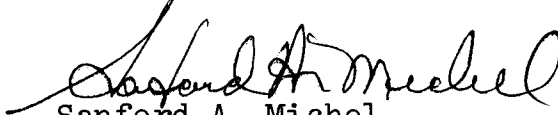
Enclosed herewith are the results of tests run on the rotary core taken from the Dotson Lease, Well No. 4, Bourbon County, Kansas, and submitted to our laboratory on January 11, 1980.

The core was sampled by a representative of Oilfield Research Laboratories.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem
3 c to Wichita, Kansas
1 c to Chanute, Kansas
1 c to Hialeah, Florida

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Yenom Oil Company Lease Dotson Well No. 4

Location 825' EWL & 165' SNL

Section 26 Twp. 26S Rge. 21E County Bourbon State Kansas

Elevation, Feet

Name of Sand Bartlesville

Top of Core 640.0

Bottom of Core 665.0

Top of Sand 640.0

Bottom of Sand 665.0

Total Feet of Permeable Sand 21.5

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 4	11.7	11.7
8 - 12	3.0	14.7
12 - 16	4.0	18.7
30 & Above	2.8	21.5

Average Permeability Millidarcys 11.2

Average Percent Porosity 17.5

Average Percent Oil Saturation 44.6

Average Percent Water Saturation 40.4

Average Oil Content, Bbls./A. Ft. 616.

Total Oil Content, Bbls./Acre 15,220.

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LOGName Yenom Oil Company Lease Dotson Well No. 4Depth Interval,
FeetDescription

640.0 - 640.8	Grayish light brown very shaly sandstone.
640.8 - 642.2	Light brown calcareous very shaly sandstone.
642.2 - 651.0	Brown sandstone.
651.0 - 652.0	Brown shaly sandstone.
652.0 - 652.3	Gray sandy shale.
652.3 - 665.0	Brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Yenom Oil Company Lease Dotson Well No. 4

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	640.5	13.9	32	47	79	345	Imp.	0.8	0.8	276	0.00
2	641.5	6.9	44	51	95	236	Imp.	1.4	2.2	330	0.00
3	642.5	18.8	39	33	72	569	12.	1.0	3.2	569	12.00
4	643.5	18.9	42	37	79	616	8.9	1.0	4.2	616	8.90
5	644.5	18.1	43	39	82	604	9.8	1.0	5.2	604	9.80
6	645.5	17.4	38	41	79	513	12.	1.0	6.2	513	12.00
7	646.5	16.6	46	37	83	592	15.	1.0	7.2	592	15.00
8	647.5	16.5	28	44	72	358	10.	1.0	8.2	358	10.00
9	648.5	20.7	47	32	79	755	47.	1.0	9.2	755	47.00
10	649.5	19.3	43	38	81	644	79.	0.8	10.0	515	63.20
11	650.5	16.4	46	43	89	585	12.	1.0	11.0	585	12.00
12	651.5	18.1	35	43	78	492	2.4	1.0	12.0	492	2.40
13	652.5	16.4	41	40	81	522	3.4	0.7	12.7	365	2.38
14	653.5	18.0	44	39	83	614	0.84	1.0	13.7	614	0.84
15	654.5	20.7	54	29	83	867	33.	1.0	14.7	867	33.00
16	655.5	19.1	64	31	95	948	1.6	1.0	15.7	948	1.60
17	656.5	16.7	61	35	96	790	0.82	1.0	16.7	790	0.82
18	657.5	15.0	31	62	93	361	1.3	1.0	17.7	361	1.30
19	658.5	20.5	56	36	92	891	2.2	1.0	18.7	891	2.20
20	659.5	21.5	54	31	85	901	0.89	1.0	19.7	901	0.89
21	660.5	21.0	57	30	87	929	0.64	1.0	20.7	929	0.64
22	661.5	19.8	49	41	90	753	1.2	1.0	21.7	753	1.20
23	662.5	21.5	47	36	83	784	2.5	1.0	22.7	784	2.50
24	663.5	17.8	42	45	87	580	0.57	1.0	23.7	580	0.57
25	664.5	10.7	28	67	95	232	Imp.	1.0	24.7	232	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

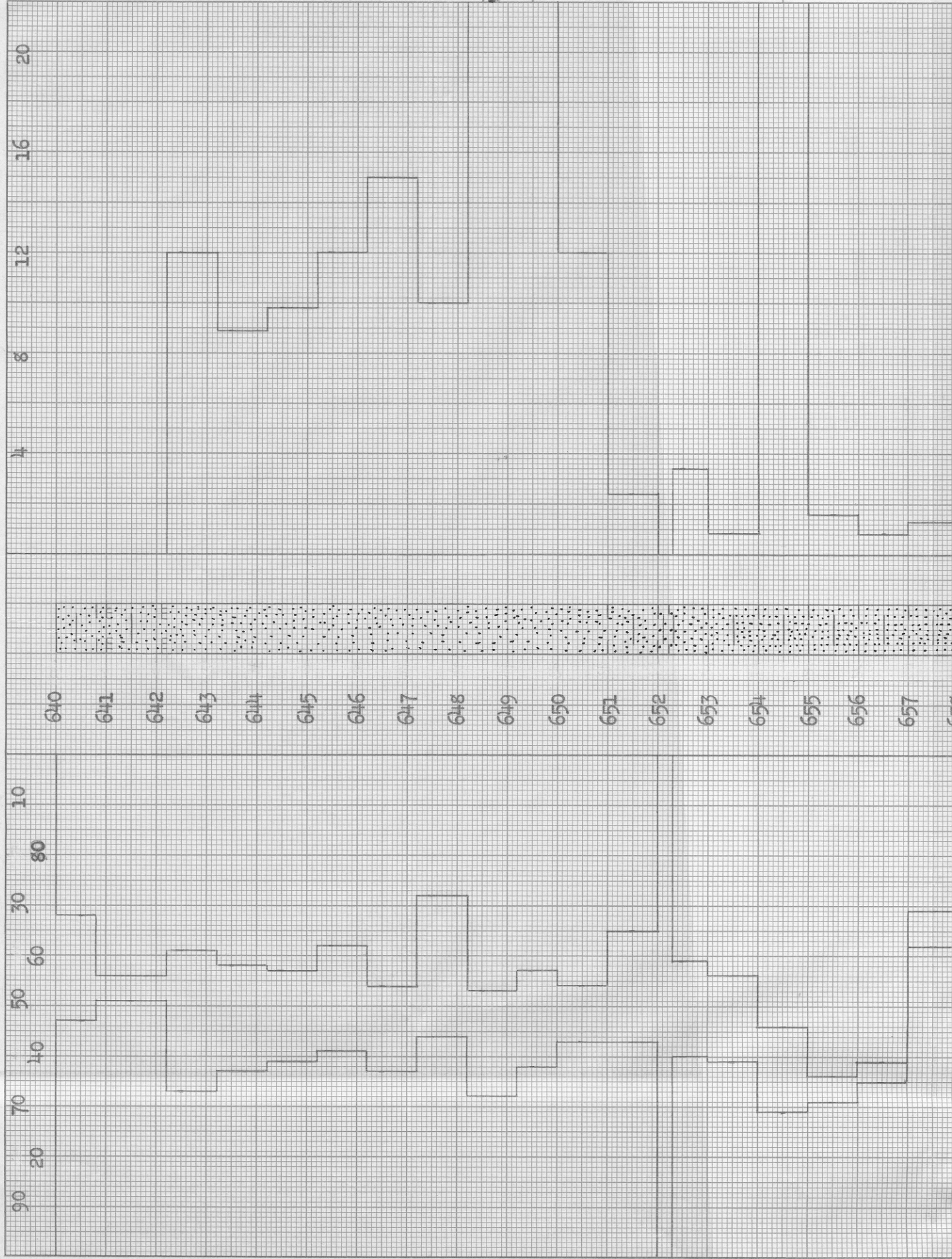
TABLE III

Company		Lease		Dotson		Well No.	
Yenom Oil Company						4	
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Total Oil Content Bbls./Acre
640.0 - 651.0	11.0	16.3	41.0	40.5	21.6	189.90	5,713
651.0 - 665.0	13.7	18.4	47.5	40.4	4.0	50.34	9,507
640.0 - 665.0	24.7	17.5	44.6	40.4	11.2	240.24	15,220

WATER SAT.,
PERCENT

OIL SAT.,
PERCENT

PERMEABILITY, IN MILLIDARCYS



47

79

33

656
657
658
659
660
661
662
663
664
665

KEY:

SANDSTONE

SHALY SANDSTONE

CALCAREOUS SHALY SANDSTONE

SANDY SHALE

YENOM

OIL COMPANY

DOTSON LEASE

WELL NO. 4

BOURBON COUNTY, KANSAS

DEPTH INTERVAL,
FEET

FEET OF CORE
ANALYZED

AVERAGE
PERCENT
POROSITY

AVG. OIL
SATURATION
PERCENT

AVG. WATER
SATURATION
PERCENT

AVERAGE
PERMEABILITY,
MILLIDARCS

640.0 - 651.0

11.0

16.3

41.0

40.5

21.6

651.0 - 665.0

13.7

18.4

47.5

40.4

4.0

640.0 - 665.0

24.7

17.5

44.6

40.4

11.2

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CHANUTE, KANSAS
JANUARY, 1960
HR