

OILFIELD RESEARCH LABORATORIES

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

February 1, 1980

Yenom Oil Company
841 North Broadway
Wichita, Kansas 67214

Gentlemen:

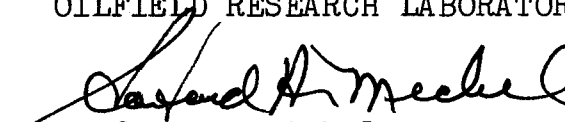
Enclosed herewith are the results of tests run on the rotary core taken from the Dotson Lease, Well No. 7, Bourbon County, Kansas, and submitted to our laboratory on January 19, 1980.

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/kas
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. 7
 Location 165' SNL & 1485' EWL NW $\frac{1}{4}$
 Section 26 Twp 26S Rge. 21E County Bourbon State Kansas

Elevation, Feet - - - - -

Name of Sand - - - - -

Bartlesville

Top of Core - - - - -

644.0

Bottom of Core - - - - -

669.0

Top of Sand - - - - -

644.0

Bottom of Sand - - - - -

656.8

Total Feet of Permeable Sand - - - - -

10.6

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 4

3.1

3.1

8 - 15

3.5

6.6

70 - 102

3.0

9.6

102 & Above

1.0

10.6

Average Permeability Millidarcys - - - - -

47.2

Average Percent Porosity - - - - -

18.5

Average Percent Oil Saturation - - - - -

42.1

Average Percent Water Saturation - - - - -

45.1

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

613.

Total Oil Content, Bbls./Acre - - - - -

6,497.

LOGName Yenom Oil Company Lease Dotson Well No. 7

<u>Depth Interval, Feet</u>	<u>Description</u>
644.0 - 648.0	Brown sandstone.
648.0 - 648.4	Gray sandy shale.
648.4 - 649.1	Brown shaly sandstone.
649.1 - 649.4	Gray sandy shale.
649.4 - 651.7	Brown and gray laminated sandstone and shale.
651.7 - 654.2	Brown sandstone.
654.2 - 655.3	Gray calcareous sandy shale.
655.3 - 655.7	Brown shaly sandstone.
655.7 - 656.1	Hard gray sandy shale.
656.1 - 656.8	Brown shaly sandstone.
656.8 - 658.0	Hard gray sandy shale.
658.0 - 664.5	Dark shale.
664.5 - 667.5	Gray laminated sandy shale.
667.5 - 669.0	Dark fossiliferous shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company			Yenom Oil Company			Lease			Dotson			Well No.			7		
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	644.5	22.2	54	26	80	930	101.	1.0	1.0	930	101.00						
2	645.5	15.3	44	43	87	522	72.	1.0	2.0	522	72.00						
3	646.5	21.0	38	41	79	619	188.	1.0	3.0	619	188.00						
4	647.5	22.1	50	36	86	857	13.	1.0	4.0	857	13.00						
5	648.5	15.0	41	53	94	477	1.3	0.7	4.7	334	0.91						
6	649.5	16.6	32	51	83	412	2.2	0.6	5.3	247	1.32						
7	650.5	16.4	29	61	90	369	9.1	1.0	6.3	369	9.10						
8	651.5	15.8	28	60	88	343	1.8	0.7	7.0	240	1.26						
9	652.5	19.3	48	45	93	719	89.	1.0	8.0	719	89.00						
10	653.5	18.5	45	43	88	646	14.	1.5	9.5	969	21.00						
11	655.5	19.1	32	64	96	474	3.8	0.4	9.9	190	1.52						
12	656.5	18.1	51	37	88	716	3.4	0.7	10.6	501	2.38						

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SUMMARY OF PERMEABILITY & SATURATION TESTS

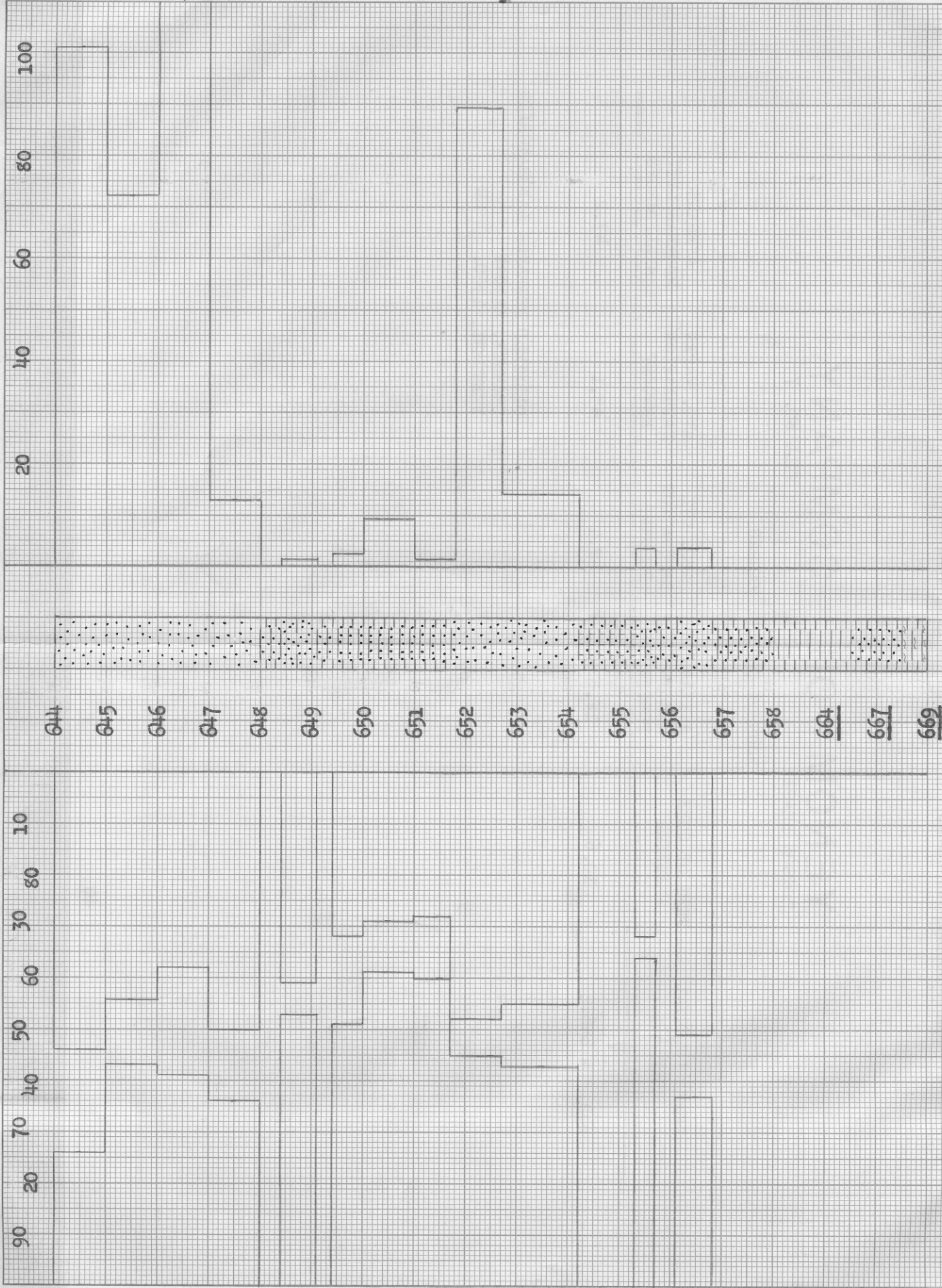
TABLE III

Company		Yenom Oil Company		Lease		Dotson		Well No.		7	
Depth Interval, Feet		Feet of Core Analyzed		Average Permeability, Millidarcys		Permeability Capacity Ft. x Md.					
644.0 - 656.8		10.6		47.2		500.49					
Depth Interval, Feet		Feet of Core Analyzed		Average Percent Oil Saturation		Average Percent Water Saturation		Average Oil Content Bbl./A. Ft.		Total Oil Content Bbls./Acre	
644.0 - 656.8		10.6		18.5		42.1		45.1		613	
										6,497	

WATER SAT.,
PERCENT

OIL SAT.,
PERCENT

PERMEABILITY, IN MILLIDARCY



658
664
667
669

KEY:

	SANDSTONE		SHALY SANDSTONE
	LAMINATED SANDSTONE AND SHALE		SHALE
	SANDY SHALE		FOSSILIFEROUS SHALE
	SANDY CALCAREOUS SHALE		

YENOM OIL COMPANY

DOTSON LEASE

WELL NO. 7

BOURBON COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCS
644.0 - 656.8	10.6	18.5	42.1	45.1	47.2

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CHANUTE, KANSAS
FEBRUARY, 1980. HR