

OILFIELD RESEARCH LABORATORIES

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

November 5, 1982

REVISED
November 11, 1982

Diamond B Industries
R R. # 1
Paola, Kansas 66071

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Henning Lease, Well No. DH-26₇, located in Miami County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on November 3, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel
by B.L.

Sanford A. Michel

SAM/rmc

1 c to Paola, Kansas
4 c to Box 936, Pierre, South Dakota

We sent a photocopy of this letter on 2-29-84 advising Mr. Ferley the well No. had been changed on our report.

B.L.

Mr. Ferley called Ben 2-28-84 about Well No. being changed to DH-27

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Diamond B Industries Lease Henning Well No. DH-26⁷
 Location _____
 Section 23 Twp. 16S Rge. 21E County Miami State Kansas

Elevation, Feet

Name of Sand..... Upper Squirrel

Top of Core 651.0

Bottom of Core 668.0

Top of Sand 651.0

Bottom of Sand 667.0

Total Feet of Permeable Sand 11.5

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 10	5.0	5.0
10 - 32	3.4	8.4
62 - 70	3.1	11.5

Average Permeability Millidarcys 25.8

Average Percent Porosity 17.9

Average Percent Oil Saturation 30.5

Average Percent Water Saturation..... 47.5

Average Oil Content, Bbls./A. Ft. 468.

Total Oil Content, Bbls./Acre..... 6,411.

OILFIELD RESEARCH LABORATORIES

LOGCompany Diamond B Industries Lease Henning Well No. DH-2⁷~~6~~

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>UPPER SQUIRREL SANDSTONE</u>
651.0 - 652.1	Light grayish brown very shaly calcareous sandstone.
652.1 - 653.0	Light gray shaly limestone.
653.0 - 653.9	Light grayish brown very shaly calcareous sandstone.
653.9 - 654.9	Brown sandstone with scattered shale partings.
654.9 - 657.0	Brown sandstone.
657.0 - 658.0	Light brown sandstone with scattered shale partings.
658.0 - 660.4	Brown sandstone.
660.4 - 660.6	Grayish brown shaly sandstone.
660.6 - 660.9	Brown sandstone.
660.9 - 664.0	Light grayish brown very shaly sandstone.
664.0 - 664.5	Grayish brown shaly sandstone.
664.5 - 665.8	Light grayish brown shaly sandstone.
665.8 - 666.7	Light gray slightly sandy shale.
666.7 - 667.0	Light grayish brown very shaly sandstone.
667.0 - 668.0	Light gray shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Diamond B Industries Lease Henning Well No. DH-26 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			Ft.	Cum. Ft.		
1	651.4	15.5	8	25	83	0.39	1.1	1.1	106	0.43
2	653.3	3.3	20	73	93	Imp.	0.9	2.0	46	0.00
3	654.3	16.9	61	29	90	12.	1.0	3.0	800	12.00
4	655.3	23.5	43	25	68	62.	1.1	4.1	862	68.20
5	656.4	26.2	62	25	87	68.	1.0	5.1	1260	68.00
6	657.4	22.3	28	41	69	31.	1.0	6.1	484	31.00
7	658.5	23.1	41	29	70	69.	1.0	7.1	735	69.00
8	659.5	21.0	45	32	77	25.	0.7	7.8	513	17.50
9	660.3	20.6	44	34	78	24.	0.7	8.5	492	16.80
10	661.7	11.4	16	78	94	0.43	1.1	9.6	156	0.47
11	662.6	10.4	18	76	94	Imp.	1.0	10.6	145	0.00
12	663.5	16.6	13	80	93	0.24	1.0	11.6	167	0.24
13	664.3	21.1	31	42	73	4.5	0.5	12.1	254	2.25
14	665.4	20.7	16	58	74	8.0	1.3	13.4	334	10.40
15	666.8	15.2	16	71	87	Imp.	0.3	13.7	57	0.00

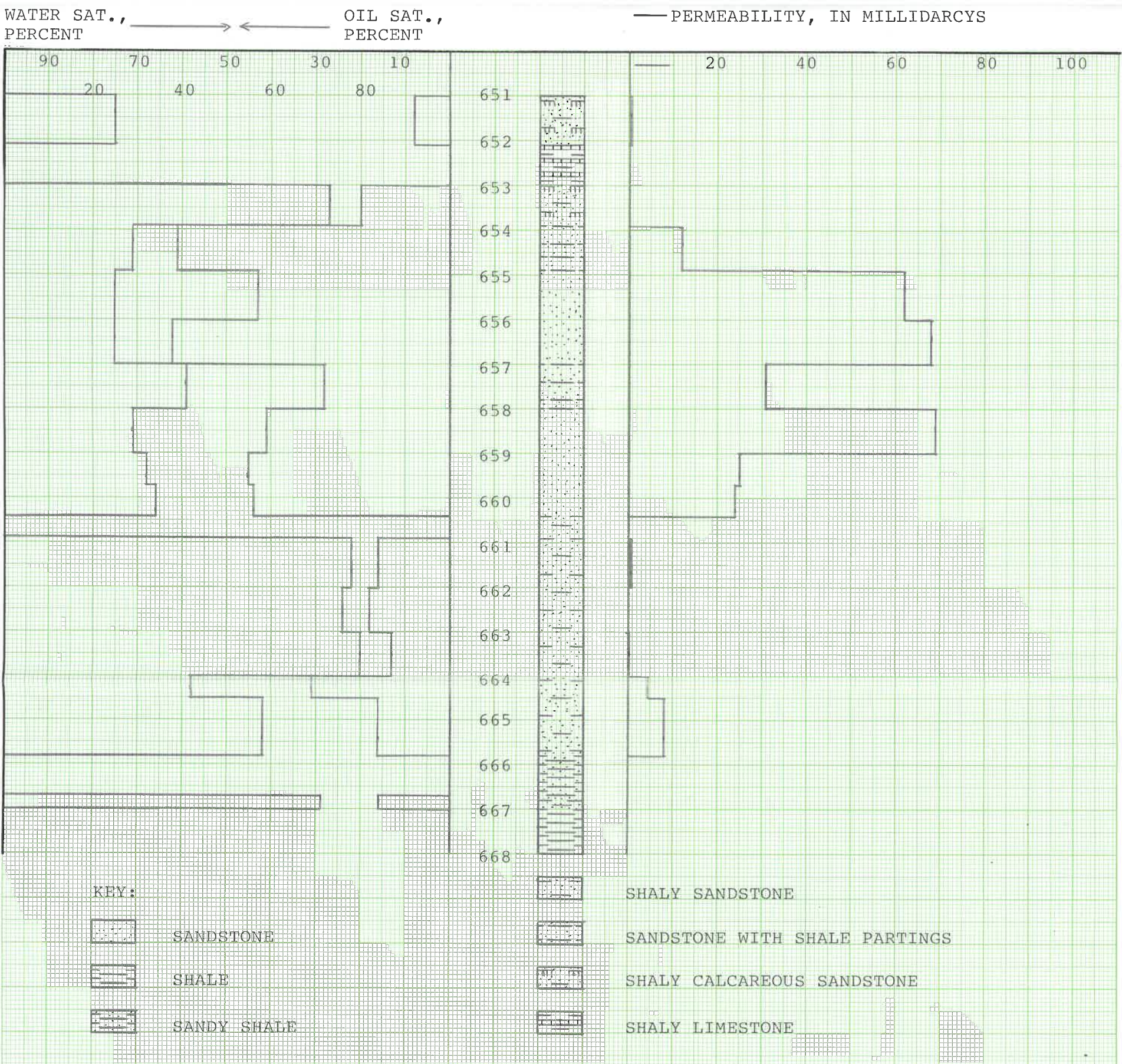
Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Diamond B Industries	Lease	Henning	Well No.	DH-26 ⁷
Depth Interval, Feet	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Total Oil Content Bbls./Acre
651.0 - 660.4	651.0 - 660.4	7.6	37.2	282.93	5,298
660.9 - 667.0	660.9 - 667.0	3.9	3.4	13.36	1,113
651.0 - 667.0	651.0 - 667.0	11.5	25.8	296.29	6,411

Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
651.0 - 660.4	8.5	19.2	38.6	34.2	623	5,298
660.9 - 667.0	5.2	15.7	17.3	69.1	214	1,113
651.0 - 667.0	13.7	17.9	30.5	47.5	468	6,411



DIAMOND B INDUSTRIES

HENNING LEASE

MIAMI COUNTY, KANSAS

WELL NO. DH-287

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCYS
651.0 - 660.4	8.5	19.2	38.6	34.2	37.2
660.9 - 667.0	5.2	15.7	17.3	69.1	3.4
651.0 - 667.0	13.7	17.9	30.5	47.5	25.8

OILFIELD RESEARCH LABORATORIES
CHANUTE, KANSAS
NOVEMBER, 1982 PDC