



OILFIELD RESEARCH LABORATORIES

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

December 5, 1979

Diamond B Industries
Rural Route 1
Paola, Kansas 66071

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Finley Lease, Well No. 3, Woodson County, Kansas, and submitted to our laboratory on November 19, 1979.

This core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Benjamin R. Pearman

BRP/tem
4 c to Paola, Kansas
2 c to Chanute, Kansas

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GENERAL INFORMATION & SUMMARY

Company Diamond B Industries Lease Finley Well No. 3

Location -

Section 31 Twp. 26S Rge. 17E County Woodson State Kansas

Name of Sand - - - - - Squirrel

Top of Core - - - - - 828.0

Bottom of Core - - - - - 840.0

Top of Sand - - - - - 829.2

Bottom of Sand - - - - - 838.4

Total Feet of Permeable Sand - - - - - 0.9

Total Feet of Floodable Sand - - - - -

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 4 0.5 0.5

4 & Above 0.4 0.9

Average Permeability Millidarcys - - - - - 4.6

Average Percent Porosity - - - - - 16.3

Average Percent Oil Saturation - - - - - 41.3

Average Percent Water Saturation - - - - - 29.2

Average Oil Content, Bbls./A. Ft. - - - - - 524.

Total Oil Content, Bbls./Acre - - - - - 838.

Average Percent Oil Recovery by Laboratory Flooding Tests - - - - -

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

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

Total Calculated Oil Recovery, Bbls./Acre - - - - -

Packer Setting, Feet - - - - -

Viscosity, Centipoises @ - - - - -

A. P. I. Gravity, degrees @ 60 °F - - - - -

Elevation, Feet - - - - -

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LOGName Diamond B Industries Lease Finley Well No. 3Depth Interval,
FeetDescription

828.0 - 829.2

Gray sandy shale.

829.2 - 829.7

Brown shaly sandstone.

829.7 - 834.6

Dark gray sandy shale.

834.6 - 835.0

Brown sandstone.

835.0 - 837.7

Dark gray sandy shale.

837.7 - 838.4

Dark brown shaly sandstone.

838.4 - 840.0

Dark sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Diamond B Industries Lease Finley Well No. 3

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	829.5	17.5	47	22	69	638	3.0	0.5	0.5	319	1.50
2	834.8	16.9	40	21	61	524	6.7	0.4	0.9	210	2.68
3	838.3	15.0	38	39	77	442	Imp.	0.7	1.6	309	0.00