OILFIELD RESEARCH LABORATORIES
536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650
700 NORTH MISSION - OKMULGEE, OKLAHOMA - PHONE SK6-4444

Chanute, Kansas

April 21, 1965

Pat Michaelis
19½ South Jefferson
Iola, Kansas

Dear Sir:

Attached hereto are the results of tests run on the Rotary core taken from the Gilligan Lease, Well No. 1, Greenwood County, Kansas, and submitted to our laboratory on April 16, 1965.

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

Samples from 1529.3 feet and 1535.9 feet were subjected to flood-pot tests. Both samples were impermeable to water.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman

Benjamin R. Pearman

BRP:rf

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Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Pat Michaelis Lease Gilligan Well No. 1

Location NE NE NE

Section 16 Twp. 22S Rge. 13E County Greenwood State Kansas

Name of Sand	Peru
Top of Core	1527.0
Bottom of Core	1536.0
Top of Sand	1527.0
Bottom of Sand (Tested)	1536.0
Total Feet of Permeable Sand	4.5
Total Feet of Floodable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
2 - 11	3.8	3.8
11 & above	0.7	4.5

Average Permeability Millidarcys	9.5
Average Percent Porosity	15.3
Average Percent Oil Saturation	41.0
Average Percent Water Saturation	53.7
Average Oil Content, Bbls./A. Ft.	450.
Total Oil Content, Bbls./Acre	3,371.
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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Company Pat Michaelis Lease Gilligan Well No. 1

Depth Interval, Feet	Description
1527.0 - 1528.0	Gray sandy shale.
1528.0 - 1531.5	Dark brown, slightly shaly sandstone.
1531.5 - 1533.5	Gray sandy shale.
1533.5 - 1534.5	Dark brown, slightly shaly sandstone.
1534.5 - 1535.0	Sandy shale.
1535.0 - 1536.0	Dark brown, calcareous sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Pat Michaelis Lease Gilligan Well No. 1

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	1527.3	11.3	17	79	96	149	Imp.	1.0	1.0	149	0.00
2	1528.3	16.4	36	60	96	457	2.8	0.8	1.8	366	2.24
3	1529.3	20.5	37	44	81	588	11.	1.0	2.8	588	11.00
4	1530.3	17.1	42	46	88	556	7.7	1.0	3.8	556	7.70
5	1531.3	15.6	40	48	88	484	22.	0.7	4.5	338	15.40
6	1532.7	8.4	35	54	89	228	Imp.	1.0	5.5	228	0.00
7	1534.1	17.4	41	46	87	553	6.3	1.0	6.5	553	6.30
8	1535.1	15.3	56	31	87	664	Imp.	0.5	7.0	332	0.00
9	1535.9	15.3	44	42	86	521	Imp.	0.5	7.5	261	0.00
								Total-	------	3,371	