

OILFIELD RESEARCH LABORATORIES

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- REGISTERED ENGINEERS -

Chanute, Kansas

536 N. HIGHLAND
CHANUTE, KANSAS
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January 20, 1962

Dave Hickey
1409 Trans American Life Building
Ft. Worth, Texas

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Percy Rowan Lease, Well No. 1, Wilson County, Kansas, and submitted to our laboratory on January 18, 1962.

This core was brought in unsealed, and was sampled after being received in the laboratory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:rf

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GENERAL INFORMATION & SUMMARY

Company Dave Hickey Lease Percy Rowan Well No. 1

Location SE SE

Section 21 Twp. 28S Rge. 17E County Wilson State Kansas

Name of Sand	Chat
Top of Core	1049.0
Bottom of Core	1064.0
Top of ^{Chat} Sand (Tested)	1049.0
Bottom of ^{Chat} Sand (Tested)	1064.0
Total Feet of Permeable ^{Chat} Sand	3.0
Total Feet of Floodable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 5	2.0	2.0
5 & above	1.0	3.0

Average Permeability Millidarcys	10.8
Average Percent Porosity	13.5
Average Percent Oil Saturation	38.0
Average Percent Water Saturation	25.0
Average Oil Content, Bbls./A. Ft.	362.
Total Oil Content, Bbls./Acre	4,262.
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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LOGCompany Dave Hickey Lease Percy Rowan Well No. 1

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
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1049.0 - 1050.0 - Dark Dolomite.

1050.0 - 1052.0 - Loss.

1052.0 - 1055.0 - Dark dolomite.

1055.0 - 1057.0 - Brown slightly sandy chat.

1057.0 - 1058.2 - Shale.

1058.2 - 1064.0 - Brown and gray slightly sandy chat.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Dave Hickey Lease Percy Rowan 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	1049.5	28.2	58	28	86	1,269	27.	1.0	1.0	1,269	27.00
2	1052.5	6.2	44	8	52	211	Imp.	1.0	2.0	211	0.00
3	1053.5	6.8	42	6	48	222	Imp.	1.0	3.0	222	0.00
4	1054.5	8.6	29	7	36	193	Imp.	1.0	4.0	193	0.00
5	1055.5	27.6	16	37	53	342	Imp.	1.0	5.0	342	0.00
6	1056.5	10.5	49	24	73	399	4.9	1.0	6.0	399	4.90
7	1058.5	7.9	38	5	43	233	Imp.	0.8	6.8	187	0.00
8	1059.5	15.2	33	38	71	389	0.36	1.0	7.8	389	0.36
9	1060.5	5.2	46	42	88	185	Imp.	1.0	8.8	185	0.00
10	1061.5	12.0	39	38	77	364	Imp.	1.0	9.8	364	0.00
11	1062.5	28.6	15	30	45	333	Imp.	1.0	10.8	333	0.00
12	1063.5	4.5	48	33	81	168	Imp.	1.0	11.8	168	0.00
Total										4,262	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Percy Rowan	Well No.
Dave Hickey			1
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
1049.0 - 1064.0	3.0	10.8	32.26
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation
1049.0 - 1064.0	11.8	13.5	38.0
		Average Water Saturation	Total Oil Content Bbl./Acre
		25.0	362
1049.0 - 1064.0	11.8	13.5	4,262