

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

700 NORTH MISSION
OKMULGEE, OKLAHOMA
PHONE: 4444

Chanute, Kansas

536 N. HIGHLAND
CHANUTE, KANSAS
PHONE: HE 1-2650

December 20, 1961

Mr. Ross Schoonover
1000 West 6th
Topeka, Kansas

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Wiseman Lease, Well No. 2, Franklin County, Kansas, and submitted to our laboratory on December 17, 1961.

This core was brought in unsealed and 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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Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Ross Schoonover Lease Wiseman Well No. 2

Location 660' North of South line and 165' East of West Line NW

Section 30 Twp. 15S Rge. 21E County Franklin State Kansas

Name of Sand	- - - - -	Squirrel
Top of Core	- - - - -	773.0
Bottom of Core	- - - - -	791.0
Top of Sand	- - - - -	773.0
Bottom of Sand	- - - - -	791.0
Total Feet of Permeable Sand	- - - - - (Tested) - - - - -	17.0
Total Feet of Floodable Sand	- - - - -	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 20	6.3	6.3
20 - 50	6.2	12.5
50 - 100	0.6	13.1
100 - 200	2.9	16.0
200 & above	1.0	17.0

Average Permeability Millidarcys	- - - - -	56.7
Average Percent Porosity	- - - - -	20.4
Average Percent Oil Saturation	- - - - -	42.9
Average Percent Water Saturation	- - - - -	31.9
Average Oil Content, Bbls./A. Ft.	- - - - -	692.
Total Oil Content, Bbls./Acre	- - - - -	12,454.
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	- - - - -	

LOGCompany Ross Schoonover Lease Wiseman Well No. 2Depth Interval, Description
Feet

773.0 - 774.5 - Brown slightly laminated slightly shaley sandstone.

774.5 - 779.0 - Dark brown sandstone.

779.0 - 791.0 - Brown laminated slightly shaley sandstone.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Ross Schoonover
Company

Lease **Wiseman**

Well No. 2

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	773.3	21.4	40	31	71	664	41.	0.6	0.6	398	24.60
2	774.0	21.2	29	42	71	477	12.	0.9	1.5	430	9.80
3	774.9	21.4	52	27	79	864	109.	0.9	2.4	776	98.10
4	775.9	24.5	55	15	70	1046	234.	1.0	3.4	1046	234.00
5	777.0	23.2	48	20	68	864	173.	1.0	4.4	864	173.00
6	778.0	20.7	54	25	79	867	164.	1.0	5.4	867	164.00
7	778.9	22.4	43	25	68	747	87.	0.6	6.0	449	52.20
8	780.0	14.5	24	56	80	270	23.	1.6	7.6	431	36.80
9	781.1	20.3	49	31	80	772	21.	1.0	8.6	772	21.00
10	782.2	20.4	47	30	77	744	27.	1.0	9.6	744	27.00
11	783.2	19.9	36	35	71	556	19.	1.0	10.6	556	19.00
12	784.1	20.7	47	29	76	755	16.	1.0	11.6	755	16.00
13	785.1	22.1	41	29	70	703	22.	1.0	12.6	703	22.00
14	786.2	19.8	36	37	73	584	21.	1.0	13.6	584	21.00
15	787.4	20.2	38	30	68	596	19.	1.3	14.9	775	24.70
16	788.4	20.8	51	31	82	823	6.4	1.0	15.9	823	6.40
17	789.3	20.6	44	36	80	704	12.	0.7	16.6	493	8.40
19	790.0	19.1	48	33	81	712	=	1.0	17.6	712	=
18	790.9	20.2	44	26	70	690	17.	0.4	18.0	276	6.80
								Total	-----	12,454	

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Ross Schoonover	Lease	Wiseman	Well No.	2	
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
	773.0 - 779.0	6.0	126.0	755.70		
	779.0 - 791.0	11.0	19.0	209.10		
	773.0 - 791.0	17.0	56.7	964.80		
	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
	773.0 - 779.0	6.0	22.2	46.6	805	4,830
	779.0 - 791.0	12.0	19.6	41.0	635	7,624
	773.0 - 791.0	18.0	20.4	42.9	692	12,454