



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

May 10, 1967

W. H. Pitts
413 Parkview
Jonesboro, Arkansas

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Sells Lease, Well No. 3, Bourbon County, Kansas and submitted to our laboratory on May 5, 1967.

This core was sampled and the samples sealed in cans by a representative of Oilfield Research Laboratories. The well was drilled in virgin territory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Carl L. Pate

CLP:rf

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Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company	<u>W. H. Pitts</u>		Lease	<u>Sells</u>		Well No.	<u>3</u>
Location	<u>NE NW SE</u>						
Section	<u>33</u>	Twp.	<u>25S</u>	Rge.	<u>23E</u>	County	<u>Bourbon</u>
						State	<u>Kansas</u>
Name of Sand	-						Bartlesville
Top of Core	-						214.2
Bottom of Core	-						233.5
Top of Sand	(Cored)						214.2
Bottom of Sand	-						218.5
Total Feet of Permeable Sand	-						3.8
Total Feet of Floodable Sand	-						
Distribution of Permeable Sand:							
Permeability Range	Feet						Cum. Ft.
Millidarcys							
Average Permeability Millidarcys	-						20.4
Average Percent Porosity	-						15.2
Average Percent Oil Saturation	-						26.9
Average Percent Water Saturation	-						51.6
Average Oil Content, Bbls./A. Ft.	-						349.
Total Oil Content, Bbls./Acre	-						1,847.
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 W. H. Pitts Lease Sells Well No. 3

Depth Interval, Feet	Description
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191.3 - 192.3	Laminated sandy shale.
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192.3 - 198.0	Sandy shale.
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198.0 - 214.2	Drilled.
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214.2 - 218.0	Brown to dark brown, fine grained sandstone.
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218.0 - 218.5	Hard dark sandstone.
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218.5 - 219.0	Gray shale.
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219.0 - 220.8	Gray, laminated, sandy shale.
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220.8 - 233.5	Sandy shale (discarded at well).
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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company W.H. Pitts Lease Sells 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	214.3	19.3	36	51	87	539	Imp.	0.5	0.5	269	0.00
2	215.1	20.2	31	41	72	480	15.	0.9	1.4	432	13.50
3	216.1	22.5	34	34	68	594	61.	1.0	2.4	594	61.00
4	217.1	13.3	28	52	80	289	0.65	1.4	3.8	405	0.91
5	218.1	12.8	17	57	74	169	4.0	0.5	4.3	84	2.00
6	219.1	5.4	15	76	91	63	Imp.	1.0	5.3	63	0.00
Total								-----		1,847	