



OILFIELD RESEARCH LABORATORIES

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

November 8, 1979

Gibbs & McCoy
P.O. Box 247
Thayer, Kansas 66776

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Louia Lease, Well No. 1, Wilson County, Kansas, and submitted to our laboratory on October 28, 1979.

The 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
Benjamin R. Pearman

BRP/tem
5 c to Thayer, Kansas

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GENERAL INFORMATION & SUMMARY

Company Gibbs & McCoy Lease Louia Well No. 1

Location NE

Section 34 Twp. 29S Rge. 16E County Wilson State Kansas

Name of Sand	Wiser
Top of Core	484.0
Bottom of Core	496.0
Top of Sand	(Tested) 484.5
Bottom of Sand	(Tested) 495.5
Total Feet of Permeable Sand	4.0
Total Feet of Floodable Sand	

Distribution of Permeable Sand:
Permeability Range
Millidarcys

Feet

Cum. Ft.

0 - 20	1.0	1.0
50 & Above	3.0	4.0

Average Permeability Millidarcys	47.0
Average Percent Porosity	18.8
Average Percent Oil Saturation	20.3
Average Percent Water Saturation	59.8
Average Oil Content, Bbls./A. Ft.	296.
Total Oil Content, Bbls./Acre	1,183.
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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LOG

Name Gibbs & McCoy Lease Louia Well No. 1

Depth Intervals
Feet

Description

484.0 - 496.0

Light brown sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Gibbs & McCoy

Lease Louia

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	485.0	16.6	15	66	81	193	50.	1.0	1.0	193	50.00
2	488.0	20.4	19	59	78	301	60.	1.0	2.0	301	60.00
3	491.0	17.6	27	56	78	369	17.	1.0	3.0	369	17.00
4	495.0	20.6	20	58	78	320	61.	1.0	4.0	320	61.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Lease		Well No.	
Gibbs & McCoy		Louisa		1	
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
484.5 - 495.5	4.0	47.0	188.00		
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
484.5 - 495.0	4.0	18.8	20.3	59.8	296
					1,183