



# OILFIELD RESEARCH LABORATORIES

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

January 4, 1980

Brunson-Spines, Incorporated  
525 Fourth Financial Center  
Wichita, Kansas 67202

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core samples taken from the Taylor Lease, Well No. 3, Woodson County, Kansas, and submitted to our laboratory on December 20, 1979.

These core samples were sampled and sealed in plastic bags by a representative of the client. In examining this core, it is assumed that each sample represents one foot of core.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Benjamin R. Pearman*  
Benjamin R. Pearman

BRP/tem  
10 c to Wichita, Kansas

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

# Oilfield Research Laboratories

## GENERAL INFORMATION & SUMMARY

Company Brunson-Spines, Inc. Lease Taylor Well No. 3

Location -

Section 12 Twp. 25S Rge. 14E County Woodson State Kansas

Name of Sand	Lower Squirrel
Top of Core	1240.0
Bottom of Core	1244.0
Top of Sand	1240.0
Bottom of Sand	1244.0
Total Feet of Permeable Sand	4.0
Total Feet of Floodable Sand	

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 25	2.0	2.0
40 & Above	2.0	4.0

Average Permeability Millidarcys	34.0
Average Percent Porosity	19.6
Average Percent Oil Saturation	34.5
Average Percent Water Saturation	31.3
Average Oil Content, Bbls./A. Ft.	498.
Total Oil Content, Bbls./Acre	1,993.
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	

LOG

Name Brunson-Spines, Inc. Lease Taylor · Well No. 3

Depth Interval,  
Feet

Description

1240.0 - 1244.0

Brown slightly shaly sandstone.

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**RESULTS OF SATURATION & PERMEABILITY TESTS**

TABLE 1-B

Company Brunson-Spines, Inc. Lease Taylor Well No. 3

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	1240.5	23.7	21	19	40	386	14.	1.0	1.0	386	14.00
2	1241.5	20.8	23	43	66	371	60.	1.0	2.0	371	60.00
3	1242.5	17.0	46	36	82	607	40.	1.0	3.0	607	40.00
4	1243.5	16.9	48	27	75	629	22.	1.0	4.0	629	22.00