

OILFIELD RESEARCH LABORATORIES

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

September 19, 1981

American Energy Exploration
702 Jules
Box 1411
St. Joseph, Missouri 64501

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the J. Bell Lease, Well No. 7, located in Douglas County, Kansas.

The core was sampled by a representative of Oilfield Research Laboratories and was received in our laboratory on September 15, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to St. Joseph, Missouri

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company American Energy Exploration Lease J. Bell Well No. 7
 Location _____
 Section 36 Twp. 14S Rge. 20E County Douglas State Kansas

Elevation, Feet

Name of Sand.....

Upper Squirrel

Top of Core

817.0

Bottom of Core

832.3

Top of Sand

817.0

Bottom of Sand

832.3

Total Feet of Permeable Sand

10.3

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
1 - 10	2.8	2.8
15 - 30	3.0	5.8
30 - 40	2.6	8.4
60 & Above	1.9	10.3

Average Permeability Millidarcys

27.1

Average Percent Porosity

18.0

Average Percent Oil Saturation

28.8

Average Percent Water Saturation.....

49.5

Average Oil Content, Bbls./A. Ft.....

446.

Total Oil Content, Bbls./Acre.....

6,829.

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LOG

Name American Energy Exploration Lease J. Bell Well No. 7

<u>Depth Interval, Feet</u>	<u>Description</u>
817.0 - 821.4	Gray shaly sandstone.
821.4 - 823.5	Grayish brown shaly sandstone.
823.5 - 828.7	Brown sandstone with fine shale partings.
828.7 - 830.0	Grayish brown shaly sandstone with shale partings.
830.0 - 832.3	Brown sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company American Energy Exploration Lease J. Bell Well No. 7

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	817.5	11.7	4	92	96	36	Imp.	1.0	1.0	36	0.00
2	818.7	19.7	6	43	49	92	*	1.0	2.0	92	0.00
3	819.5	11.6	2	93	95	18	Imp.	1.0	3.0	18	0.00
4	820.5	12.4	6	87	93	58	Imp.	1.4	4.4	58	0.00
5	821.7	10.6	12	82	94	99	Imp.	0.6	5.0	99	0.00
6	822.4	15.6	50	37	87	605	4.9	1.5	6.5	908	7.35
7	823.6	22.7	8	44	52	141	31.	0.6	7.1	85	18.60
8	824.5	23.0	40	35	75	714	63.	0.6	7.7	428	37.80
9	825.5	21.4	48	29	77	797	38.	1.0	8.7	797	38.00
10	826.5	19.5	41	37	78	620	13.	1.0	9.7	620	13.00
11	827.5	20.9	50	25	75	811	24.	1.0	10.7	811	24.00
12	828.5	20.7	41	36	77	658	19.	1.0	11.7	658	19.00
13	829.5	18.5	21	53	74	301	9.0	1.3	13.0	391	11.70
14	830.5	21.9	44	31	75	748	32.	1.0	14.0	748	32.00
15	831.5	22.6	43	46	76	754	60.	1.3	15.3	980	78.00

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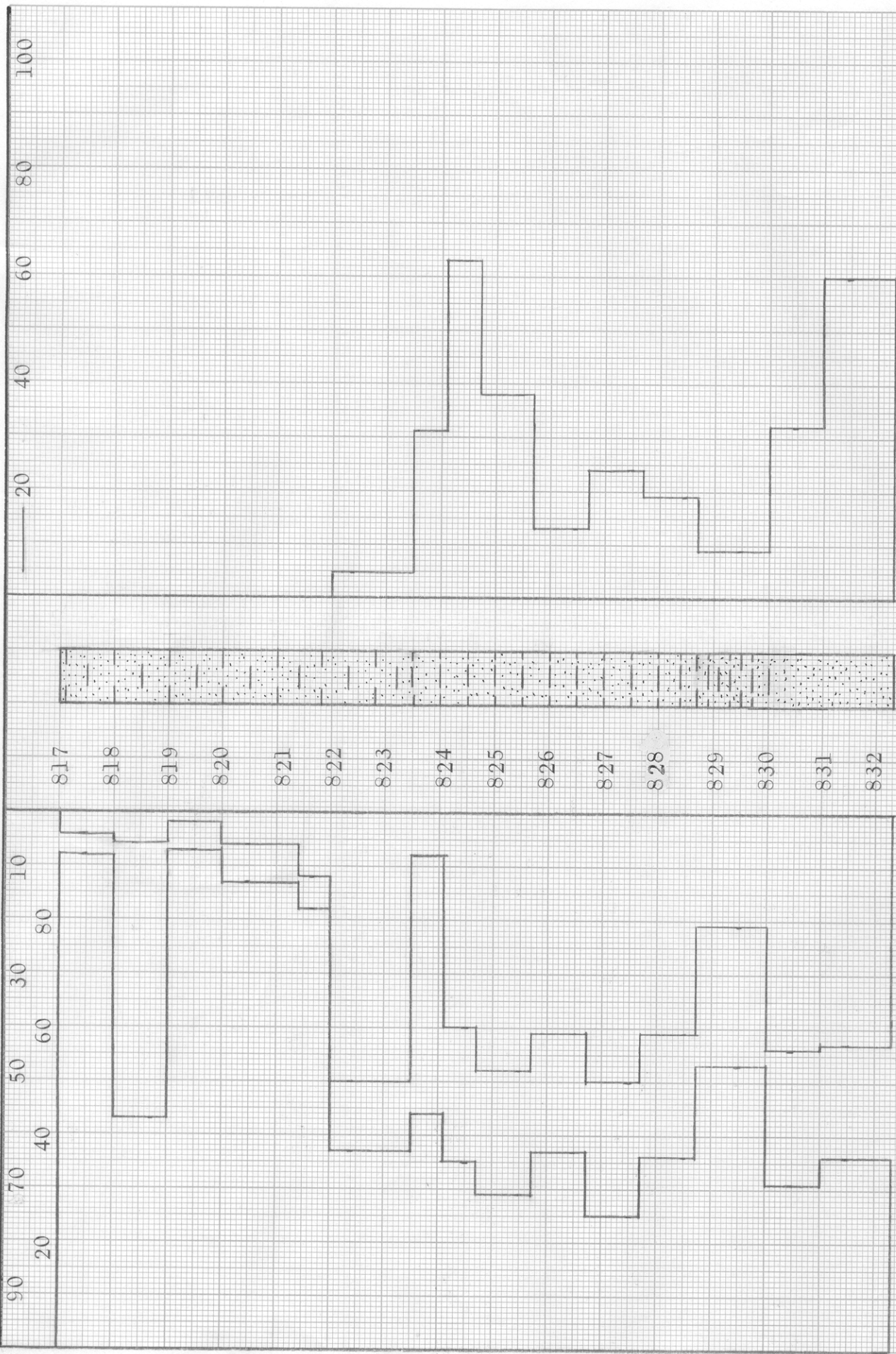
SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	American Energy Exploration		Lease	J. Bell	Well No.	7
	Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.		
	817.0 - 823.5	1.5	4.9	7.35		
	823.5 - 832.3	8.8	30.9	272.10		
	817.0 - 832.3	10.3	27.1	279.45		

	Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
	817.0 - 823.5	6.5	13.8	16.2	69.6	186	1,211
	823.5 - 832.3	8.8	21.1	38.2	34.7	638	5,618
	817.0 - 832.3	15.3	18.0	28.8	49.5	446	6,829

WATER SAT., PERCENT ———> OIL SAT., PERCENT ———> PERMEABILITY, IN MILLIDARCYS



KEY:

- SANDSTONE
- SHALY SANDSTONE
- SANDSTONE WITH SHALE PARTINGS
- SHALY SANDSTONE WITH SHALE PARTINGS

KEY:

SANDSTONE

SANDSTONE WITH SHALE PARTINGS

SHALY SANDSTONE

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AMERICAN ENERGY EXPLORATION

J. BELL LEASE

WELL NO. 7

DOUGLAS COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE POROSITY PERCENT	AVG. OIL		AVG. WATER		AVERAGE PERMEABILITY, MILLIDARCYs
			SATURATION PERCENT	SATURATION PERCENT	SATURATION PERCENT	SATURATION PERCENT	
817.0 - 823.5	6.5	13.8	16.2	69.6	4.9		
823.5 - 832.3	8.8	21.1	38.2	34.7	30.9		
817.0 - 832.3	15.3	18.0	28.8	49.5	27.1		

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CHANUTE, KANSAS
SEPTEMBER, 1981

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