



OILFIELD RESEARCH LABORATORIES

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

March 9, 1982

H & B Oil Company
R R # 2, Box 28
Ottawa, Kansas 66067

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Johnson Lease, Well No. 3, located in ~~Section 17, T-20S, R-9E~~, in Franklin County, Kansas.

T17S R20E S9

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on March 5, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/kas

5 c to Ottawa, Kansas

- REGISTERED ENGINEERS -

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

OILFIELD RESEARCH LABORATORIES

LOGName H & B Oil Company Lease Johnson Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>1st SQUIRREL SAND</u>
588.5 - 589.0	Gray shale.
589.0 - 589.4	Brown very shaly sandstone.
589.4 - 591.5	Gray very shaly sandstone.
591.5 - 591.8	Brown shaly sandstone with shale partings.
591.8 - 592.2	Brown sandstone.
592.2 - 593.0	Brown sandstone with scattered fine shale partings.
593.0 - 594.0	Gray shaly sandstone with brown sandstone partings.
594.0 - 596.0	Gray and brown laminated shale and sandstone.
596.0 - 597.0	Gray sandy shale.
597.0 - 598.7	Gray shaly sandstone with scattered brown sandstone partings.
598.7 - 599.0	Brown sandstone.
599.0 - 599.8	Brown shaly sandstone.
599.8 - 600.8	Light brown sandstone.
600.8 - 603.7	Gray very shaly sandstone.
603.7 - 609.2	Gray sandy shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company H & B Oil Company Lesse Johnson Well No. 3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	589.3	16.4	45	50	95	573	0.34
2	590.6	11.0	8	86	94	68	0.52
3	591.6	17.0	32	64	96	422	2.8
4	592.4	17.5	43	41	84	584	23.
5	593.5	18.0	14	62	76	196	*
6	594.6	18.0	22	67	89	307	8.2
7	595.6	19.9	32	44	76	494	12.
8	596.6	13.6	1	94	95	11	Imp.
9	597.5	12.1	14	82	96	131	*
10	598.8	21.8	37	48	85	626	89.
11	599.5	20.9	36	41	77	584	4.7
12	600.3	22.5	32	37	69	559	13.
13	601.5	10.9	5	90	95	42	Imp.
14	602.5	9.9	7	86	93	54	Imp.
15	603.4	13.3	8	86	94	83	Imp.
16	604.5	12.7	10	80	90	99	Imp.
17	605.5	16.2	1	82	93	13	Imp.
18	606.4	13.1	3	93	96	31	Imp.
19	607.6	7.7	9	66	75	54	Imp.
20	608.5	14.9	2	92	94	12	Imp.

NOTE: * NO PERMEABILITY SAMPLE AVAILABLE.