

OILFIELD RESEARCH LABORATORIES

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

July 23, 1980

Thompson Oil & Gas, Ltd.
712 Denver Center
Denver, Colorado 80200

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Hess Lease, Well No. 3, located in the Southwest $\frac{1}{4}$ of the Northwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$, in Section 28, T-25S, R-19E, Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on July 16, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/tem

5 c to Denver, Colorado

LOGName Thompson Oil & Gas, Ltd. Lease Hess Well No. 3

<u>Depth Interval, Feet</u>	<u>Description</u>
<u>BARTLESVILLE SAND</u>	
851.0 - 852.4	Grayish brown sandy shale.
852.4 - 853.6	Brown slightly calcareous sandstone.
853.6 - 854.3	Slightly sandy gray shale.
854.3 - 854.7	Brown slightly calcareous sandstone.
854.7 - 855.0	Gray slightly sandy shale.
855.0 - 858.3	Brown slightly calcareous sandstone.
858.3 - 859.0	Brown very shaly sandstone.
859.0 - 860.0	Brown sandstone.
860.0 - 860.8	Gray sandy shale.
860.8 - 861.5	Brown sandstone.
861.5 - 862.0	Brown very shaly sandstone.
862.0 - 863.0	Gray shale.
863.0 - 863.8	Brown sandstone.
863.8 - 864.4	Brown very shaly sandstone.
864.4 - 865.0	Brown sandstone.
865.0 - 866.9	Gray sandy shale.
866.9 - 867.6	Brown sandstone.
867.6 - 870.6	Brown and gray laminated sandstone and shale.
870.6 - 871.4	Gray shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Thompson Oil & Gas, Ltd. Lease Hess Well No. 3

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	852.5	13.6	29	46	75	306	58.
2	853.5	16.9	43	24	67	564	39.
3	854.5	18.3	51	14	65	724	96.
4	855.5	16.5	31	20	51	397	41.
5	856.5	18.5	49	16	65	703	39.
6	857.5	17.0	50	18	68	659	78.
7	859.5	15.7	51	28	79	621	22.
8	860.9	9.1	10	82	92	71	38.
9	861.9	17.7	43	29	72	591	Imp.
10	863.5	19.3	58	19	77	868	11.
11	864.5	17.9	64	18	82	889	34.
12	867.3	16.7	67	16	83	868	26.