



OILFIELD RESEARCH LABORATORIES

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

August 31, 1981

H. W. Keys Oil Company
301 Cardington
Wichita, Kansas 67209

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Works Lease, Well No. 4, located in Section 23, T-25S, R-17E, in Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on August 27, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES


Sanford A. Michel

SAM/kas

5 c to Wichita, Kansas

- REGISTERED ENGINEERS -

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

OILFIELD RESEARCH LABORATORIESLOGName H. W. Keys Oil Company Lease Works Well No. 4

<u>Depth Interval, Feet</u>	<u>Description</u>
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SQUIRREL SAND

749.0 - 749.6	Dark brown slightly calcareous shaly sandstone.
749.6 - 751.0	Gray shaly sandstone.
751.0 - 752.4	Gray and brown laminated shale and sandstone.
752.4 - 753.5	Grayish brown shaly sandstone.
753.5 - 757.0	Gray and brown laminated shale and sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company H. W. Keys Oil Co. Lease Works Well No. 4

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	749.5	9.9	73	14	87	561	1.2
2	750.5	12.9	39	57	96	390	Imp.
3	751.6	16.1	64	24	88	799	6.3
4	752.6	9.6	40	55	95	298	Imp.
5	753.6	16.4	54	28	82	687	18.
6	754.5	19.7	57	28	85	871	83.
7	755.5	15.6	42	36	78	508	4.7
8	756.5	17.5	37	38	75	502	25.