



OILFIELD RESEARCH LABORATORIES

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

January 17, 1980

Global Oil Company
c/o McCune Engineering
P.O. Box 3283
Lawrence, Kansas 66044

Gentlemen:


Attached hereto are the results of tests run on the rotary core taken from the Hughes Lease, Well No. 2, located 1155' East and 230' North of Center of West Line, Section 2, Township 17S, Range 19E, in Franklin County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on January 7, 1980.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/tem
5 c to Lawrence, Kansas

- REGISTERED ENGINEERS -

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

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LOGName Global Oil Company Lease Hughes Well No. 2

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>SQUIRREL SAND</u>
691.0 - 693.7	Dark brown sandstone.
693.7 - 696.9	Grayish brown slightly calcareous shaly sandstone.
696.9 - 697.5	Dark brown sandstone.
697.5 - 697.8	Gray shale.
697.8 - 699.9	Dark brown sandstone.
699.9 - 700.9	Gray and brown laminated sandstone and shale.
700.9 - 702.4	Brown slightly shaly sandstone.
702.4 - 702.9	Grayish brown slightly calcareous shaly sandstone.
702.9 - 703.8	Gray sandy shale.
703.8 - 704.9	Brown shaly sandstone.
704.9 - 706.0	Grayish brown very shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Global Oil Company Lease Hughes Well No. 2

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	691.3	20.8	54	36	90	871	21.
2	692.3	20.7	48	38	86	771	31.
3	693.6	16.0	37	55	92	459	14.
4	694.7	20.8	46	40	86	742	24.
5	695.6	19.0	48	42	90	708	8.4
6	696.6	16.7	45	47	92	583	13.
7	697.9	18.9	44	45	89	645	28.
8	698.8	21.7	53	26	79	892	42.
9	699.8	20.3	51	37	88	803	16.
10	700.8	20.0	46	40	86	714	9.4
11	701.8	18.0	48	43	91	670	9.4
12	702.7	13.4	15	80	95	156	8.7
13	703.9	18.7	32	54	86	464	6.1
14	704.7	18.0	48	46	94	670	2.5
15	705.7	12.5	14	80	94	136	Imp.

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RESULTS OF WATER DIFFERENTIATION TESTS
TABLE VI

Company Global Oil Company Lease Hughes Well No. 2

Sample No.	Depth, Feet	Chloride Content of Brine in Sand ppm	Percent Connate	Water Saturation Drilling & Foreign	Total
1	691.3	39,868			
2	692.3	39,930			
3	693.6	35,346			
4	694.7	37,820			
5	695.6	41,169			
6	696.6	46,161			
7	697.9	37,775			
8	698.8	48,872			
9	699.8	39,427			
10	700.8	37,055			
11	701.8	36,134			
12	702.7	28,691			
13	703.9	40,796			
14	704.7	42,268			
15	705.7	41,166			

Note: ppm — parts per million