



OILFIELD RESEARCH LABORATORIES

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

June 5, 1981

Jim's Water Service, Inc.
P. O. Box 3076
Inglewood, Colorado 80111

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Heady Lease, Well No. 1, located in the Northeast $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ in Section 30, T-28S, R-20E, in Neosho County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on June 2, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

4 c to Inglewood, Colorado
1 c to Erie, Kansas

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LOGName Jim's Water Service Lease Heady Well No. 1

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>BARTLESVILLE SAND</u>
519.0 - 519.8	Brown and gray laminated sandstone and shale.
519.8 - 521.2	Brown shaly sandstone.
521.2 - 522.0	Brown sandstone.
522.0 - 523.1	Brown and gray laminated sandstone and shale.
523.1 - 525.9	Brown sandstone.
525.9 - 528.0	Gray laminated sandstone and shale.
528.0 - 528.6	Brown shaly sandstone.
528.6 - 532.5	Gray sandy shale.
532.5 - 535.1	Brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Jim's Water Service Lease Heady Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	520.5	16.8	55	43	98	717	3.0
2	521.5	19.9	34	36	70	525	31.
3	522.5	16.8	38	25	73	495	4.0
4	523.6	17.2	49	43	92	654	15.
5	524.6	23.2	44	32	76	792	26.
6	525.7	20.2	40	23	63	627	11.
7	528.4	17.4	31	42	73	419	4.7
8	533.5	18.5	27	49	76	388	5.8
9	534.5	16.9	21	44	65	275	8.0