



# OILFIELD RESEARCH LABORATORIES

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

February 5, 1980

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 Shireman Lease, Well No. 2, located 1270' North and 1760' West of the Southeast corner, Section 24, T-27S, R-21E, Bourbon County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on January 24, 1980.

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

- REGISTERED ENGINEERS -

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

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LOG

Name Jim's Water Service, Inc. Lease Shireman Well No. 2

Depth Interval,  
Feet

Description

TUCKER SAND

632.0 - 633.3	Gray laminated sandy shale.
633.3 - 633.7	Light brown shaly sandstone.
633.7 - 641.0	Brown sandstone containing thin widely scattered streaks of shale.
641.0 - 642.9	Gray and brown laminated shale and sandstone.
642.9 - 644.0	Gray carbonaceous shaly sandstone.

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## RESULTS OF SATURATION & PERMEABILITY TESTS

### TABLE 1

Inc.  
 Company Jim's Water Service, Lease Shireman Well No. 2

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	633.5	11.7	26	72	98	236	0.48
2	634.5	14.1	32	49	81	350	2.6
3	635.5	18.8	35	34	69	511	34.
4	636.5	19.5	31	37	68	469	46.
5	637.5	22.0	41	27	68	700	181.
6	638.5	14.2	34	54	88	375	11.
7	639.5	19.2	42	34	76	626	47.
8	640.5	19.7	46	32	78	703	19.
9	641.5	17.4	53	29	82	715	12.
10	642.5	17.9	57	31	88	792	3.9