

# OILFIELD RESEARCH LABORATORIES

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

December 20, 1979

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

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Gier Lease, Well No. 11, Bourbon County, Kansas, and submitted to our laboratory on December 10, 1979.

The core was sampled and sealed in plastic bags by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

  
Benjamin R. Pearman

BRP/tem  
4 c to Inglewood, Colorado  
1 c to Erie, Kansas



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LOG

Name Jim's Water Service, Inc. Lease Gier Well No. 11

Depth Interval,  
Feet

Description

647.0 - 653.0

Brown sandstone containing thin widely scattered streaks of shale.

**Oilfield Research Laboratories**

**RESULTS OF SATURATION & PERMEABILITY TESTS**

**TABLE I-B**

Company Jim's Water Service, Incorporated Lease Gier Well No. 11

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	647.5	18.7	44	37	81	638	38.	1.0	1.0	638	38.00
2	648.5	19.6	69	24	93	1,049	64.	1.0	2.0	1,049	64.00
3	649.5	22.6	75	22	97	1,318	71.	1.0	3.0	1,318	71.00
4	650.5	18.2	69	28	97	974	38.	1.0	4.0	974	38.00
5	651.5	17.0	62	34	96	818	38.	1.0	5.0	818	38.00
6	652.5	20.4	66	26	92	1,045	15.	1.0	6.0	1,045	15.00

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## SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Lease	Gier	Well No.			
Jim's Water Service, Inc.				11			
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.	Average Percent Porosity	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
647.0 - 653.0	6.0	44.0	264.00	19.4	64.2	974	5,842