

4702101439

OILFIELD RESEARCH, Inc.

REGISTERED ENGINEERS

1006 DIAMOND AVENUE • EVANSVILLE 7, INDIANA • PHONE HARRISON 4-2907 (DAY OR NIGHT)

MT. VERNON, ILLINOIS ROBINSON, ILLINOIS GREENVILLE, KENTUCKY PAINTSVILLE, KENTUCKY

August 28, 1962

Southern Triangle Oil Company
Box 230
Mt. Carmel, Illinois

IN RE: J. Summerville Heirs Lease
Well No. 1
Gilmer County,
West Virginia

Gentlemen:

Attached hereto are the results of the permeability, porosity and fluid content tests run on the diamond core of the Weir sand from the subject well.

Very truly yours,

OILFIELD RESEARCH, INC.

Paul G. Luckhardt

Paul G. Luckhardt

PGL:jdk

5 C: Addressee

4 C: Southern Triangle Oil Co., 104 Bank St., Weston, W. Va.





OILFIELD RESEARCH, INC.

COMPANY SOUTHERN TRIANGLE OIL COMPANY ELEVATION _____ FILE NO. 62W8059
 LEASE J. SUMMERVILLE HEIRS WELL 1 FORMATION WEIR DATE CORED AUG. 23, 1962
 FIELD _____ DRIG. FLUID _____ DATE REPORT AUG. 28, 1962
 COUNTY GLIMMER STATE VIRGINIA TYPE OF CORE DIAMOND PERMIT NO. _____
 LOCATION CENTER DISTRICT REMARKS SAMPLED BY OR-HDW

CORE ANALYSIS REPORT

SANDSTONE SHALE SHALY SANDSTONE

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom and for whose exclusive and confidential use this report is made. The interpretations or opinions expressed represent the best judgment of Oilfield Research, Inc. (all rights and patents excepted) but Oilfield Research, Inc. and its officers and employees assume no responsibility and make no warranty or representation as to the productivity, proper application, or profitability of any oil, gas or other mineral well or land in connection with which such report is used or relied upon.

PERMEABILITY

MILLIDARCYS

.60 .50 .40 .30 .20 .10 0

TOTAL WATER

PERCENT PORE SPACE

100 75 50 25 0

POROSITY x---x

PERCENT

25 20 15 10 5 0

OIL SATURATION x---x

PERCENT PORE SPACE

25 50 75 100

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY		POROSITY %	RESIDUAL LIQUID SATURATION % PORE SPACE		POROSITY x---x					OIL SATURATION x---x							
		HORIZONTAL	VERTICAL		OIL	TOTAL WATER	PERCENT					PERCENT PORE SPACE							
							25	20	15	10	5	25	50	75	100				
1	2133.5	< 0.10		12.0	24.1	8.1													
2	2135.5	< 0.10		12.2	18.2	7.9													
3	2137.5	< 0.10		10.5	24.3	16.7													
4	2139.5	< 0.10		11.2	51.5	16.7													
5	2140.5	0.25		12.9	12.4	28.0													
6	2141.5	< 0.10		11.4	21.8	4.3													
7	2142.5	< 0.10		11.6	5.6	8.4													
8	2143.5	< 0.10		12.6	11.5	20.8													
9	2144.5	< 0.10		12.5	0.0	40.5													
10	2145.5	< 0.10		11.3	11.5	28.2													
11	2146.5	< 0.10		11.6	16.7	18.8													
12	2147.5	< 0.10		11.1	11.5	10.9													
13	2148.5	< 0.10		12.4	33.9	13.7													
14	2149.5	< 0.10		11.5	14.0	25.2													
15	2150.5	< 0.10		13.8	15.6	22.0													
16	2151.3	< 0.10		11.9	17.7	25.5													

CORE SUMMARY

FORMATION	DEPTH, FEET	FEET CORE ANALYZED	AVERAGE PERMEABILITY		AVERAGE POROSITY %	AVERAGE LIQUID SATURATION, %	
			HORIZONTAL	VERTICAL		OIL	WATER
WEIR	2140.0-2141.0	* 1.0'	0.25		12.9	12.4	28.0
	2133.0-2151.5	15.5'	< 0.10		11.9	18.1	18.8

*Permeable sand