

OILFIELD RESEARCH, INC.

1204 FIRST AVENUE • EVANSVILLE, INDIANA 47710 • TELEPHONE 424-2907 (DAY OR NIGHT)
ASHLAND, KENTUCKY • TELEPHONE 606-325-0248

July 7, 1981

Stonestreet Land Company
P. O. Box 350
Spencer, West Virginia 25276

IN RE: Herbert Hart Lease
Well No. 4
Braxton County,
West Virginia

Gentlemen:

The Blue Monday formation was diamond cored in the subject well in the interval 2144.0 - 2184.0 feet. The core was sampled by our representative and 36 samples were analyzed in our Evansville laboratory using conventional core analysis techniques. The results are given in tabular and graphic form and the following paragraphs discuss this data.

The interval from 2144.0 - 2172.0 feet consist chiefly of interbedded units of siltstone and shale. This section has negligible permeability and an average porosity of 7.0 percent. There was no oil extracted from the samples and the residual water saturations averaged 73.7 percent. This interval is considered too shaley to serve effectively as reservoir rock.

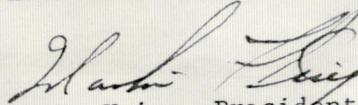
The interval from 2172.0 - 2184.0 feet consists of a dense limestone with negligible permeability and porosity.

Samples representing the interval 2164.0 - 2168.0 feet were not analyzed. This portion of the core consisted of ground-up shale, sand and drilling mud. There were not sufficient consolidated samples to analyze.

The core samples have been shipped by A & H Truck Lines of Evansville, Indiana to Spencer, West Virginia. Please call at your convenience to discuss this laboratory work.

Very truly yours,

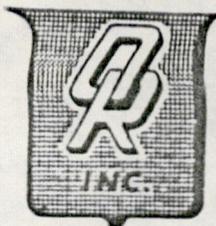
OILFIELD RESEARCH, INC.


Marlin F. Krieg, President

MFK:csr
5C: Addressee



CORE
ANALYSIS

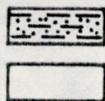


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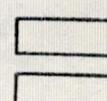
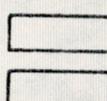
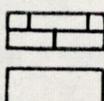
COMPANY STONESTREET LAND COMPANY **ELEVATION** _____ **FILE NO.** 81-7-10
LEASE HERBERT HART **WELL** 4 **FORMATION** BLUE MONDAY **DATE CORED** 6/29-30/81
FIELD _____ **DRLG. FLUID** AIR **DATE REPORT** 7/7/81
COUNTY BRAXTON **STATE** W. VA. **TYPE OF CORE** DIAMOND **PERMIT NO.** _____
LOCATION _____ **REMARKS** SAMPLED BY OR-TJ

CORE ANALYSIS REPORT

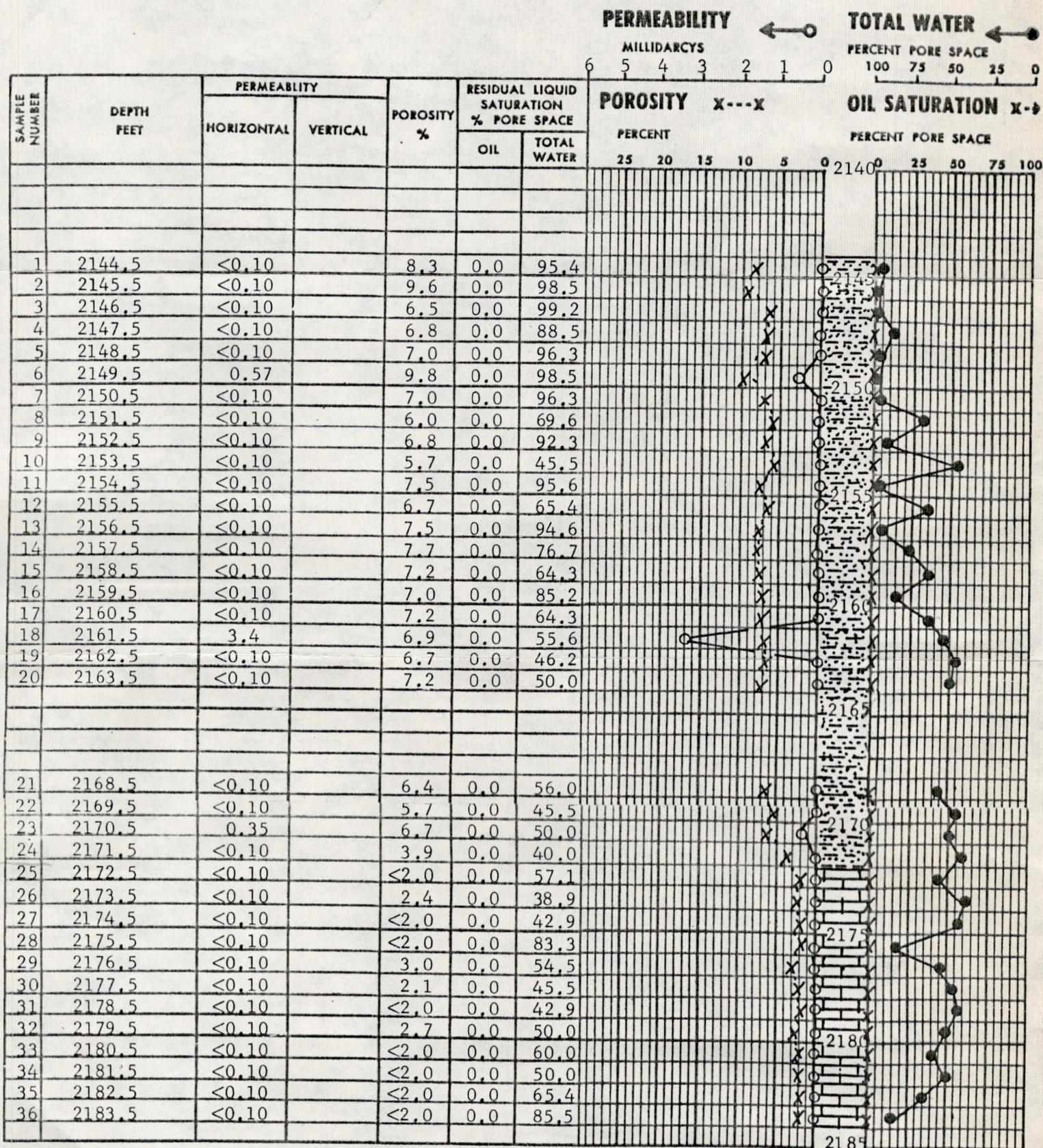
SILTSTONE
& SHALE



LIMESTONE



The expressed opinions and interpretations represent the best judgment of Oilfield Research, Inc. of the data provided by the client or obtained from our laboratory testing. Oilfield Research, Inc., its officers and employees, assume no responsibility and makes no warranty as to the accuracy of the expressed interpretations and opinions.



CORE SUMMARY

FORMATION _____ DEPTH FEET _____ FEET CORE _____ AVERAGE PERMEABILITY _____ AVERAGE _____ AVERAGE LIQUID SATURATION _____

19	2162.5	<0.10	8.7	0.0	46.2			
20	2163.5	<0.10	7.2	0.0	50.0			
21	2168.5	<0.10	6.4	0.0	56.0			
22	2169.5	<0.10	5.7	0.0	45.5			
23	2170.5	0.35	6.7	0.0	50.0			
24	2171.5	<0.10	3.9	0.0	40.0			
25	2172.5	<0.10	<2.0	0.0	57.1			
26	2173.5	<0.10	2.4	0.0	38.9			
27	2174.5	<0.10	<2.0	0.0	42.9			
28	2175.5	<0.10	<2.0	0.0	83.3			
29	2176.5	<0.10	3.0	0.0	54.5			
30	2177.5	<0.10	2.1	0.0	45.5			
31	2178.5	<0.10	<2.0	0.0	42.9			
32	2179.5	<0.10	2.7	0.0	50.0			
33	2180.5	<0.10	<2.0	0.0	60.0			
34	2181.5	<0.10	<2.0	0.0	50.0			
35	2182.5	<0.10	<2.0	0.0	65.4			
36	2183.5	<0.10	<2.0	0.0	85.5			

CORE SUMMARY

FORMATION	DEPTH, FEET	FEET CORE ANALYZED	AVERAGE PERMEABILITY		AVERAGE POROSITY %	AVERAGE LIQUID SATURATION, %	
			HORIZONTAL	VERTICAL		OIL	WATER
BLUE MONDAY	2144.0 - 2172.0	24.0'	0.18		7.0	0.0	73.7
	2172.0 - 2184.0	12.0'	<0.10		2.2	0.0	52.8