

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

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CORE ANALYSIS RESULTS

Company PHILLIPS PETROLEUM COMPANY Formation GRAYBURG - File WP-3-3336
 Well PHILMEX NO. 11 Core Type DIAMOND 4" Date Report 8-22-70
 Field MALJAMAR Drilling Fluid WATER BASE MUD Analysts BOONE
 County LEA State NEW MEX. Elev. _____ Location 660 FS & EL SEC 27-T17S-R33E

Lithological Abbreviations

SAND-SD SHALE-SH LIME-LM	DOLOMITE-DOL CHERT-CN GYPSUM-GYP	ANHYDRITE-ANHY CONGLOMERATE-CONG FOSSILIFEROUS-FOSS	SANDY-SBY SHALY-SHY LIMY-LMY	FINE-FN MEDIUM-MED COARSE-CSE	CRYSTALLINE-XLN GRAIN-GRN GRANULAR-GRNL	BROWN-BRN GRAY-GY VUGGY-VGY	FRACTURED-FRAC LAMINATION-LAM STYLOLITIC-STY	SLIGHTLY-SL/ VERY-V/ WITH-W/
SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS		
				OIL	TOTAL WATER			

CONVENTIONAL ANALYSIS

4230.0-54.0 DOL

1	54.0-55.0	<0.1	5.3	13.2	54.8	SS, ANHY
2	55.0-56.0	<0.1	5.2	9.6	52.0	SS, ANHY
3	56.0-57.0	<0.1	5.2	9.6	52.0	SS, ANHY
4	57.0-58.0	0.1	6.9	10.2	47.9	SS, ANHY
5	58.0-59.0	0.1	6.5	10.8	50.8	SS, ANHY
6	59.0-60.0	<0.1	3.6	0.0	78.0	SS, ANHY
7	60.0-61.0	<0.1	6.3	7.9	55.6	SS, ANHY
8	61.0-62.0	<0.1	5.8	15.5	50.0	SS, ANHY
9	62.0-63.0	<0.1	6.1	14.7	44.3	SS, ANHY
10	63.0-64.0	<0.1	4.8	14.6	58.3	SS, ANHY

64.0-01.0 DOL

11	4301.0-02.0	0.1	9.0	10.0	31.2	SS, ANHY
12	02.0-03.0	0.5	8.9	10.2	31.5	SS, ANHY
13	03.0-04.0	0.4	8.4	14.3	31.0	SS, ANHY
14	04.0-05.0	0.1	7.6	21.1	31.6	SS, ANHY
15	05.0-06.0	<0.1	4.8	18.8	41.7	SS, ANHY

06.0-18.0 DOL

18.0-22.0 DOL, SHY

22.0-27.0 DOL

27.0-32.0 DOL, SHY

32.0-37.0 DOL

37.0-42.0 DOL, SHY

42.0-64.0 DOL

16	64.0-65.0	<0.1	2.0	10.0	45.0	DOL
17	65.0-66.0	<0.1	2.5	8.0	36.0	DOL
18	66.0-67.0	<0.1	2.0	10.0	45.0	DOL

67.0-72.0 DOL

19	72.0-73.0	<0.1	2.7	18.5	55.7	DOL
20	73.0-74.0	<0.1	4.1	17.1	41.5	SS, DOL
21	74.0-75.0	<0.1	3.2	6.3	53.2	SS, DOL
22	75.0-76.0	0.1	6.0	11.7	53.5	SS, DOL
23	76.0-77.0	<0.1	5.1	13.7	49.0	SS, DOL
24	77.0-78.0	<0.1	3.5	14.3	54.4	SS, DOL

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