

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering

DALLAS, TEXAS

PHILLIPS PETROLEUM COMPANY
20650 TR. 3202 WELL #010 #8

DATE : 11-26-81
FORMATION : GRAYBURG/SAN ANDRES

FILE NO : 3202-12680
ANALYSTS : REINHEIMER

FULL DIAMETER ANALYSIS

SAMPLE NUMBER	DEPTH FEET	PERM MAXIMUM	PERM 90 DEG	SPONGE + HE		OIL% PORE		WTR% PORE		GRAIN DEN	DESCRIPTION
				OIL	FOR						
CORE NO. 17 4849.0-4859.0 CUT 10' REC 8'											
317	4849.0-50.0	0.46			5.7	7.3	60.7			2.84	DOL SHY VF PP
318	4850.0-51.0	0.11	0.09		1.2	9.5	76.2			2.83	DOL SL/SHY VF SL/V OOL STY
319	4851.0-52.0	55.	9.7		2.7	10.5	73.7			2.74	DOL ANHY SHY VF V
320	4852.0-53.0	3.6			1.6	8.9	74.8			2.85	DOL SL/ANHY SL/SHY VF SL/V STY
321	4853.0-54.0	4.0	2.5		3.8	6.1	60.6			2.83	DOL SL/SHY VF SL/V STY
322	4854.0-55.0	<0.01		4.7	4.2	4.7	70.6			2.84	DOL SL/SHY VF SL/V FOSS STY
323	4855.0-56.0	1.1	<0.01	19.0	3.4	19.0	66.7			2.82	DOL SHY VF V STY
324	4856.0-57.0	1.5	0.61	7.7	4.7	7.7	80.8			2.82	DOL PP SHLAM
	4857.0-59.0										LOST CORE
CORE NO. 18 4859.0-4861.0 CUT 2' REC 2'											
325	4859.0-60.0	<0.01			0.7	4.6	83.9			2.80	DOL VF PP
326	4860.0-61.0	<0.01		14.7	0.7	3.7	74.2			2.86	DOL VF SL/V
CORE NO. 19 4861.0-4867.0 CUT 6' REC 4'											
327	4861.0-62.0	2.0	0.10	15.0	1.5	15.0	83.3			2.84	DOL VF SHLAM
328	4862.0-63.0	1.9	0.57	30.0	1.0	0.0	66.7			2.83	DOL VF SHLAM
329	4863.0-64.0	0.01			1.6	4.1	71.4			2.85	DOL SL/ANHY VF PP
330	4864.0-65.0	<0.01			2.7	6.2	69.8			2.85	DOL VF PP
	4865.0-67.0										LOST CORE
CORE NO. 20 4867.0-4881.0 CUT 14' REC 11'											

These analyses, opinions or interpretations are based on observations and materials 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 Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.