

Core Laboratories, Inc.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PHILLIPS PETROLEUM CO.
E. VACUUM GRAYBURG S.A. UNIT #3229-005
E. VACUUM GRAYBURG SAN ANDRES FIELD
LEA COUNTY, NEW MEXICO

DATE : 5-6-79
FORMATION : GRAYBURG
D.R.L. FLUID: SALT BASE MUD
LOCATION : 1110' FSL & 1290' FWL, SEC. 32, T-17-S, R-35-E, SUR
FILE NO : 3202-11118
ANALYSTS : NEFF
ELEVATION: 3965' GL

FULL DIAMETER ANALYSIS

SAMPLE NUMBER	DEPTH	PERM. TO MAXIMUM	AIR (MD) 90 DEG	POR. Hg	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
203	4370.0-71.0	2.2	0.8	3.9	8.3	71.1	2.87	DOL, ANHY, F, SL/V, FOSS
204	4371.0-72.0	1.9	2.1	6.7	3.1	69.2	2.86	DOL, ANHY, V/F, SL/V, FOSS
205	4372.0-73.0	2.2	0.4	6.5	23.9	51.9	2.88	DOL, ANHY, SL/V, SL/F, FOSS
206	4373.0-74.0	0.1	0.1	5.8	19.0	45.8	2.89	DOL, ANHY, SL/V, FOSS
207	4374.0-75.0	3.9	0.7	9.8	35.3	22.5	2.86	DOL, ANHY, SL/V, SL/F, FOSS
208	4375.0-76.0	6.8	*	14.5	18.1	58.5	2.85	DOL, ANHY, SL/V, FOSS
209	4376.0-77.0	7.3	3.4	10.6	14.3	43.8	2.85	DOL, ANHY, SL/V, SL/F, DOL, FOSS
210	4377.0-78.0	0.5	0.1	4.4	11.9	37.1	2.86	DOL, ANHY, FOSS
211	4378.0-79.0	0.6	0.4	4.7	13.5	45.1	2.87	DOL, ANHY, SL/F, SL/V, FOSS
212	4379.0-80.0	3.5	3.3	16.9	26.2	24.9	2.83	DOL, ANHY, DOL, SUC
213	4380.0-81.0	1.2	1.0	17.5	26.5	27.0	2.84	DOL, ANHY, SUC, DOL
214	4381.0-82.0	6.3	1.1	17.2	20.2	18.8	2.84	DOL, ANHY, SUC, DOL
215	4382.0-83.0	0.5	0.4	5.6	35.5	36.8	2.86	DOL, ANHY, DOL, STY
216	4383.0-84.0	3.9	2.0	6.7	26.0	30.2	2.85	DOL, ANHY, DOL, STY
217	4384.0-85.0	1.3	1.2	4.7	10.2	55.1	2.86	DOL, ANHY, DOL
218	4385.0-86.0	4.9	4.2	5.1	17.2	28.1	2.86	DOL, ANHY, DOL, STY
219	4386.0-87.0	7.3	7.0	8.3	13.2	32.1	2.86	DOL, ANHY, DOL
220	4387.0-88.0	2.6	2.6	11.0	20.5	40.4	2.84	DOL, ANHY, DOL, SL/V, SL/F
221	4388.0-89.0	4.1	1.5	11.7	24.5	28.9	2.84	DOL, ANHY, DOL, SL/V, SL/F
222	4389.0-90.0	3.9	2.2	11.3	40.9	20.4	2.87	DOL, ANHY, SL/F, DOL
223	4390.0-91.0	11.0	2.2	8.5	23.5	35.8	2.87	DOL, ANHY, V/F, DOL
224	4391.0-92.0	3.6	2.0	12.2	30.3	26.9	2.87	DOL, ANHY, DOL
225	4392.0-93.0	1.5	1.3	9.1	30.0	38.9	2.86	DOL, ANHY, DOL
226	4393.0-94.0	9.6	9.2	9.6	15.0	33.3	2.87	DOL, ANHY, DOL
CORE NO. 7 4394.0-4442.0 CUT 48' REC 48'								
227	4394.0-95.0	5.6	3.2	8.3	28.6	34.7	2.88	DOL, ANHY, F, DOL

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