

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

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RESEARCH CORPORATION
 NO. 3 PEARL JORDON
 PETERSON NORTH PENN FIELD
 ROOSEVELT COUNTY, NEW MEXICO

DATE : 5-23-81
 FORMATION : CISCO
 DRILL. FLUID: BRINE BASE MUD
 LOCATION : 660' FSL & 660' FEL, SEC. 17, T-33-E

FILE NO : 3202-12348
 ANALYSTS : REINHEIMER
 LABORATORY: MIDLAND TEXAS

FULL DIAMETER ANALYSIS

SAMPLE NUMBER	DEPTH FEET	PERM MAXIMUM	PERM 90 DEG	PERM VERTICAL	HE FOR	OIL% PORE	WTR% PORE	GRAIN DEN	DESCRIPTION
CORE NO. 1 7821.0-7851.0 CUT 30' REC 28'									
1	7821.0-22.0	0.25	0.20	<0.01	1.4	0.0	85.7	2.72	LM SL/SHY SL/F FP STY
2	7822.0-23.0	0.15	0.08	<0.01	4.3	9.3	53.3	2.72	LM SL/F FP STY
3	7823.0-24.0	2.3	2.3	0.25	8.3	6.0	47.9	2.72	LM SL/F FP V STY
4	7824.0-25.0	42.	39.	33.	12.7	8.9	45.2	2.78	LM SL/CALC V F STY
5	7825.0-26.0	80.	76.	106.	12.2	8.5	47.1	2.79	LM SL/CALC V F STY
6	7826.0-27.0	2.6	1.9	1.9	8.3	4.6	41.3	2.74	LM V SL/CALC V F STY
7	7827.0-28.0	0.88	0.79	0.98	7.1	3.5	38.6	2.75	LM V SL/F STY
8	7828.0-29.0	0.61	0.59	0.32	4.5	6.2	46.9	2.72	LM SL/V SL/F FP STY
9	7829.0-30.0	1.4	0.87	0.38	4.5	5.0	50.0	2.72	LM SL/V SL/F FP FOSS STY
10	7830.0-31.0	0.16	0.16	0.06	3.7	3.1	56.2	2.73	LM SL/V VF FP FOSS STY
11	7831.0-32.0	0.38	0.35	0.06	1.6	3.8	56.6	2.72	LM F FP
12	7832.0-33.0	0.71	0.63	0.18	5.8	7.2	36.1	2.72	LM SL/V SL/CALC F FP FOSS
13	7833.0-34.0	0.77	0.51	0.12	1.5	5.7	62.9	2.72	LM SL/CALC VF FP FOSS STY
14	7834.0-35.0	0.89	0.77	0.53	3.2	11.8	44.1	2.72	LM SL/V SL/CALC SL/F FP
15	7835.0-36.0	2.1	1.9	0.53	5.1	4.3	31.9	2.74	LM V SL/CALC STY
16	7836.0-37.0	3.6	3.5	1.3	5.8	6.5	33.9	2.75	LM V SL/CALC SL/F STY
17	7837.0-38.0	12.	7.9	3.7	6.4	2.2	36.6	2.75	LM V SL/CALC SL/F STY
18	7838.0-39.0	6.8	6.4	4.1	7.3	5.1	32.1	2.75	LM V SL/CALC SL/F STY
19	7839.0-40.0	2.1	1.8	0.76	4.5	2.9	32.9	2.74	LM V SL/CALC F STY
20	7840.0-41.0	3.0	2.7	6.9	5.0	7.7	26.9	2.75	LM V SL/CALC VF
21	7841.0-42.0	0.53	0.45	0.26	2.8	3.8	37.7	2.73	LM SL/V SL/F SL/CALC
22	7842.0-43.0	2.2	2.0	2.5	4.8	8.9	25.3	2.74	LM V SL/CALC F STY
23	7843.0-44.0	0.53	0.20	0.31	1.9	8.3	50.0	2.73	LM V SL/CALC VF FP STY
24	7844.0-45.0	0.49	0.42	0.58	2.3	0.0	51.7	2.73	LM SL/CALC VF FP STY

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