

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering

DALLAS, TEXAS

SANTA RITA EXPLORATION CORP.
 MOONSHINE NO. 18-4
 TWIN LAKES FIELD
 CHAVES COUNTY, NEW MEXICO

DATE : 12-19-82
 FORMATION : SAN ANDRES
 DRUG. FLUID: SALT BASE
 LOCATION : 330' FNL & 330' FUL

FILE NO : 3202-13261
 ANALYSTS : DEVIER
 LABORATORY: MIDLAND TEXAS

FULL DIAMETER ANALYSIS

SAMPLE NUMBER	DEPTH FEET	PERM(Ka) MAXIMUM	PERM(Ka) 90 DEG	HE FOR	OIL% PORE	WTR% PORE	GRAIN DEN	DESCRIPTION
CORE NO. 1 2684.0-2744.0 CUT 60' REC 57'								
1	2684.0-85.0	<0.01	<0.01	1.9	5.7	73.5	2.87	DOL SL/ANHY SL/LMY
2	2685.0-86.0	0.12	0.10	2.5	5.7	79.1	2.84	DOL SL/ANHY SL/LMY VF PP
3	2686.0-87.0	0.04	0.04	2.6	5.1	71.2	2.86	DOL SL/ANHY SL/LMY SL/F STY
4	2687.0-88.0	0.01	<0.01	1.0	5.7	80.0	2.87	DOL SL/ANHY SL/LMY VF
5	2688.0-89.0	0.05	0.05	1.4	6.3	81.9	2.84	DOL SL/ANHY SL/LMY VF STY
* 6	2689.0-90.0	<0.01		0.3	3.9	54.1	2.83	DOL SL/ANHY SL/LMY VF
7	2690.0-91.0	0.21	0.07	1.1	5.4	80.3	2.84	DOL SL/ANHY SL/LMY VF STY
8	2691.0-92.0	0.52	0.36	1.5	5.6	78.4	2.84	DOL SL/ANHY SL/LMY VF STY
9	2692.0-93.0	0.86	0.33	2.0	5.8	80.9	2.84	DOL SL/ANHY SL/LMY VF STY
10	2693.0-94.0	0.15	<0.01	1.0	5.3	74.7	2.84	DOL SL/ANHY SL/SHY VF
11	2694.0-95.0	0.91	0.66	1.7	11.3	72.0	2.82	DOL SL/ANHY SL/LMY VF
12	2695.0-96.0	0.81	0.49	1.6	10.5	75.2	2.82	DOL SL/ANHY SL/LMY VF PP STY
13	2696.0-97.0	0.67	0.25	4.4	19.6	41.9	2.84	DOL SL/ANHY SL/LMY VF PP
14	2697.0-98.0	0.06	0.04	2.4	19.4	64.5	2.83	DOL ANHY SL/LMY VF STY
15	2698.0-99.0	109.	<0.01	4.6	15.4	61.5	2.82	DOL SL/ANHY SL/LMY VF PP
16	2699.0- 0.0	0.90	0.27	3.9	14.5	57.9	2.83	DOL SL/ANHY SL/LMY VF PP
17	2700.0- 1.0	4.2	4.0	14.9	19.6	30.9	2.82	DOL SL/ANHY SL/LMY VF
18	2701.0- 2.0	3210.	<0.01	1.9	24.7	64.8	2.79	DOL SL/ANHY SL/LMY VF PP STY
19	2702.0- 3.0	4.3	1.5	9.0	14.7	26.1	2.84	DOL SL/ANHY SL/LMY VF PP
20	2703.0- 4.0	4.2	4.0	13.6	18.8	28.1	2.83	DOL SL/ANHY SL/LMY PP
* 21	2704.0- 5.0	0.03		6.6	18.1	28.9	2.83	DOL SL/ANHY SL/LMY VF PP
* 22	2705.0- 6.0	5.2		15.0	15.0	35.7	2.83	DOL SL/ANHY SL/LMY VF PP
23	2706.0- 7.0	1581.	0.09	1.4	9.5	68.3	2.83	DOL SL/ANHY SL/LMY VF
24	2707.0- 8.0	3.0	1.4	1.6	7.8	77.2	2.81	DOL SL/ANHY SL/LMY VF