

CORE LABORATORIES, INC.
 Petroleum Reservoir Engineering
 DALLAS, TEXAS

Page No. **1****CORE ANALYSIS RESULTS**

Company	THE ATLANTIC REFINING COMPANY	Formation	GALLUP	File	RP-3-901
Well	NAVAJO NO. 3 28	Core Type	DIAMOND CONV.	Date Report	1-6-59
Field	HORSESHOE GALLUP	Drilling Fluid	WATER BASE MUD	Analysts	CLIFFORD
County	SAN JUAN	State	NEW MEXICO	Location	

Lithological Abbreviations

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYN	POROSITY PERCENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
1	1163-64	0.08	4.2	16.7	45.2	
2	64-65	2.3	6.1	19.7	39.4	
3	65-66	178	20.4	15.7	35.3	
4	66-67	0.24	12.0	5.8	62.5	
5	67-68	2.6	12.4	13.7	37.1	
6	68-69	295	22.3	12.5	32.2	
7	69-70	424	18.5	16.2	35.7	
8	70-71	140	21.6	12.5	35.6	
9	71-72	1.4	11.0	6.4	44.5	
10	72-73	393	22.8	11.0	33.8	
11	73-74	28	17.7	14.1	26.6	
12	74-75	0.13	15.0	16.7	46.1	
13	75-76	0.04	9.5	9.5	64.2	
14	76-77	106	11.9	10.1	61.3	
15	77-78	0.12	8.7	13.8	54.0	
16	78-79	0.06	11.2	12.5	67.8	
17	79-80	0.19	8.3	19.3	42.1	
18	80-81	0.73	12.0	17.5	49.1	
19	81-82	0.17	7.7	20.8	39.0	
20	82-83	0.13	9.3	15.1	45.2	
21	1183-84	<0.01	5.4	9.3	50.0	
22	1183 1221-22	0.12	9.9	9.1	79.0	
23	22-23	0.07	7.3	9.6	54.8	
24	23-24	0.27	8.4	8.3	65.5	
25	24-25	<0.01	17.4	6.7	86.5	
26	25-26	0.02	4.3	4.6	76.8	
27	26-27	0.04	7.3	6.9	76.7	
28	27-28	1.1	5.7	12.3	49.1	
29	28-29	0.12	5.3	13.2	51.0	
30	29-30	0.20	13.0	10.8	56.1	
31	30-31	0.18	12.1	11.6	66.1	
32	31-32	0.52	11.6	13.8	67.2	
33	32-33	0.61	13.2	11.4	61.3	
34	1233-34	0.02	9.4	9.6	81.0	

SERVICE NO. 8 NO INTREPRETATION OF RESULTS

BEFORE THE
 OIL CONS. COMMISSION
 SANTA FE, NEW MEXICO
Atlantic
 EXHIBIT No. 9
 CASE 1596