

* Permeability probably caused by existing shale interlaminations

LEGEND
NF—No Fracture
IS—Insufficient Sample

S—Slight
St—Stain
V—Vertical
Vu—Vugs

SAMPLE NO.	LEGEND	DEPTH, FEET	EFFECTIVE POROSITY PORESPACE	PERMEABILITY MILLIDARCIES		SATURATIONS		CONNATE WATER	SOLUBILITY	
				HORIZONTAL	VERTICAL	% PORE SPACE RESIDUAL OIL	% PORE SPACE TOTAL WATER		MUD ACID	IS ACID
Core No. 3 continued										
78	NF	7621-22	11.7	0.02		0	43.2			
79	NF	7622-23	12.1	0.03		0	30.6			
80	NF	7623-24	10.9	0.05		0	42.5			
81	NF	7624-25	8.9	0.03		Trace	28.3			
82	NF	7625-26	6.4	0.02		Trace	74.5			
83	VF	7626-27	7.7	0.02		0	63.6			
84	NF	7627-28	7.5	0.05		0	68.4			
Core No. 4 7532 - 7462 Recovered 30'										
85	NF	7539-40	7.7	0.05		0	36.5			
86	NF	7540-41	7.5	0.03		0	38.8			
87	HF	7541-42	6.1	0.02		0	47.7			
88	VF	7542-43	6.1	0.03		0	36.5			
89	NF	7543-44	8.1	0.03		0	41.0			
90	VF	7544-45	8.1	0.52		0	40.1			
91	VF	7546-47	6.9	0.04		0	42.3			
92	VF	7547-48	7.1	0.03		0	51.3			
93	HF	7548-49	7.2	0.08		0	37.9			
94	NF	7549-50	4.6	0.02		0	43.9			
95	VF	7550-51	9.1	0.04		0	47.1			
96	VF	7551-52	11.8	0.08		0	40.4			
97	VHF	7552-53	7.5	0.34		0	22.8			
98	VHF	7553-54	7.1	0.04		0	21.3			
99	VHF	7554-55	7.6	1.48*		0	41.7			
100	VHF	7555-56	6.7	0.07		0	31.5			
101	VF	7556-57	5.0	0.05		0	38.2			
102	VF	7557-58	6.9	0.33		0	35.9			
103	VF	7558-59	4.8	0.02		0	45.1			
Core No. 5 7562 - 7570 Recovered 8'										
104	VF	7562-63	8.1	0.03		Trace	36.3			
105	VHF	7563-64	5.8	0.01		0	29.5			
106	VF	7564-65	6.0	0.02		0	23.7			
107	VHF	7565-66	3.6	1.08*		0	49.6			
108	HF	7566-67	7.1	0.03		3.0	51.5			
109	VF	7567-68	4.5	0.09		0	32.7			
110	VF	7568-69	4.7	0.02		0	44.7			
111	VF	7569-70	6.7	0.08		0	28.4			
Core No. 6 7570 - 7575 Recovered 4.5'										
112	VF	7570-71	4.6	0.02		0	21.3			
113	VF	7571-72	3.5	2.03*		Trace	28.7			
114	VF	7572-73	3.1	0.01		0	38.6			
115	VF	7573-74	2.5	0.03		0	56.8			
116	VF	7574-75	1.5	0.04		0	93.4			

El Paso Natural Gas Company
Rincon #136

*Permeability probably
caused by existing
shale interlaminations

LEGEND
NF—No Fracture
IS—Insufficient Sample

S—Slight
St—Stain
V—Vertical
Vu—Vugs

SAMPLE NO.	LEGEND	DEPTH. FEET	EFFECTIVE POROSITY PORESPACE	PERMEABILITY MILLIDARCIES		SATURATIONS		CONNATE WATER	SOLUBILITY	
				HORIZONTAL	VERTICAL	PORE SPACE RESIDUAL OIL	PORE SPACE TOTAL WATER		MUD ACID	IS % ACID
Core No. 7 7575 - 7832 Recovered 57'										
117	VF	7575-76	6.2	0.06		0	41.9			
118	VR	7576-77	7.7	0.03		0	32.2			
119	VF	7577-78	4.1	0.05		0	31.7			
120	VF	7578-79	4.9	0.07		0	50.4			
121	VF	7579-80	4.5	0.01		0	25.3			
122	VF	7580-81	5.4	0.02		0	32.4			
123	VF	7581-82	4.3	0.04		0	21.9			
124	VF	7582-83	5.7	0.04		0	43.5			
125	VF	7590-91	5.0	0.03		0	54.4			
126	VF	7591-92	4.5	1.08*		0	37.6			
127	VF	7592-93	4.3	0.08		0	48.4			
128	VF	7593-94	6.7	0.0		0	41.7			
129	VF	7594-95	5.0	0.02		0	41.4			
130	VF	7595-96	3.8	0.01		0	53.9			
131	NF	7610-11	2.2	0.03		0	26.8			
132	NF	7615-16	6.7	0.28		0	25.3			
133	NF	7616-17	7.1	0.16		0	56.1			
134	VF	7623-24	4.6	0.04		0	39.8			
135	VF	7624-25	4.4	0.03		0	86.3			
136	VF	7625-26	7.4	0.07		0	47.9			
137	VF	7626-27	4.5	0.02		0	68.7			
138	VF	7627-28	6.4	0.06		0	59.7			
139	VF	7628-29	8.1	1.58*		0	80.2			
140	VF	7629-30	8.5	0.66		0	46.3			
141	VF	7631-32	1.8	0.02		0	95.7			

Preliminary Report
CHEMICAL & GEOLOGICAL LABORATORIES
 Farmington

CORE ANALYSIS REPORT

Company El Paso Natural Gas Company
 Well No. Rincon #136
 Field Wildcat
 County San Juan
 State New Mexico

Date November 18, 1959 Lab. No. _____
 Location Sec. 23-27N-7W
 Formation Graneros
 Depths 7347' -
 Drilling Fluid _____

C--Crack
 F--Fracture
 H--Horizontal
 O--Open

***Permeability probably
 caused by existing
 shale interlamination**

LEGEND
 NF--No Fracture
 IS--Insufficient Sample

S--Slight
 St--Stain
 V--Vertical
 M--Mud

SAMPLE NO.	LEGEND	DEPTH, FEET	EFFECTIVE POROSITY PERCENT	PERMEABILITY MILLIDARIES		SATURATIONS		CONNATE WATER	SOLUBILITY	
				HORIZONTAL	VERTICAL	% PORE SPACE RESIDUAL OIL	% PORE SPACE TOTAL WATER		MUD ACID	IS % ACID
Core No. 1 7347 - 7408 Recovered 61'										
1	VF	7365-66	7.9	0.06		Trace	40.7			
2	VF	7366-67	7.3	0.05		Trace	25.2			
3	VF	7367-68	5.9	0.10		Trace	34.6			
4	VF	7368-69	4.7	0.11		Trace	21.5			
5	VF	7369-70	5.6	0.02		Trace	17.1			
6	VF	7370-71	6.0	0.37		Trace	29.8			
7	VF	7371-72	4.8	0.06		Trace	51.7			
8	VF	7372-73	4.9	0.08		Trace	54.5			
9	VF	7373-74	6.5	0.03		Trace	49.3			
10	VHF	7374-75	5.2	1.98*		Trace	22.7			
11	VF	7375-76	6.7	0.12		Trace	42.4			
12	VF	7376-77	6.7	0.10		Trace	44.2			
13	VF	7377-78	3.0	0.03		0	61.0			
14	VF	7378-79	6.3	0.04		Trace	27.0			
15	VF	7379-80	2.8	0.03		Trace	49.6			
16	VF	7380-81	6.1	0.19		Trace	49.0			
17	VF	7381-82	6.2	0.03		Trace	58.2			
18	VF	7382-83	6.3	0.05		Trace	53.5			
19	VF	7383-84	5.9	0.04		4.1	52.2			
20	VF	7384-85	6.0	0.18		3.2	47.2			
21	VF	7385-86	8.0	0.03		11.5	26.0			
22	VF	7386-87	8.2	0.03		12.4	29.1			
23	VF	7387-88	7.1	0.04		2.8	22.6			
24	VF	7388-89	8.8	0.04		14.3	33.5			
25	VF	7389-90	6.8	0.02		Trace	42.6			
26	VF	7390-91	8.4	0.03		7.4	29.9			
27	VF	7391-92	9.5	0.07		9.1	22.3			
28	VF	7392-93	12.6	0.10		9.7	18.7			
29	VF	7393-94	11.0	0.05		10.5	21.3			
30	VF	7394-95	8.8	0.04		14.5	12.9			
31	VF	7395-96	7.4	0.03		22.1	18.6			
32	VF	7396-97	3.7	0.01		Trace	65.7			
33	VF	7397-98	1.4	0.01		Trace	87.9			
34	VF	7398-99	6.1	0.13		0	39.5			
35	VF	7399-7400	6.5	0.03		Trace	35.2			
36	VF	7400-01	6.4	0.09		0	36.6			

C—Crack
F—Fracture
H—Horizontal
O—Open

LEGEND
NF—No Fracture
IS—Insufficient Sample

S—Slight
St—Stain
V—Vertical
Vu—Vugs

SAMPLE NO.	LEGEND	DEPTH, FEET	EFFECTIVE POROSITY PORESPACE	PERMEABILITY MILLIDARCIES		SATURATIONS		CONNATE WATER	SOLUBILITY	
				HORIZONTAL	VERTICAL	% PORE SPACE RESIDUAL OIL	% PORE SPACE TOTAL WATER		MUD ACID	IS ACID
Core No. 1 continued										
37	VF	7401-02	4.1	0.03		5.1	49.8			
38	VF	7402-03	3.8	0.02		9.2	42.4			
39	VF	7403-04	6.9	0.02		1.9	33.8			
40	VF	7404-05	7.0	0.03		2.9	15.6			
41	VF	7405-06	7.4	0.02		4.9	33.8			
42	VF	7406-07	6.6	0.01		3.3	31.2			
43	VF	7407-08	8.4	0.03		4.4	26.8			
Core No. 2 7408 - 7469 Recovered 61'										
44	VF	7408-09	13.2	0.08		5.8	20.5			
45	NF	7409-10	10.5	0.04		8.7	17.1			
46	NF	7410-11	13.0	0.07		5.5	15.8			
47	NF	7411-12	13.2	0.08		5.1	13.2			
48	NF	7412-13	11.6	0.05		6.6	15.0			
49	NF	7413-14	8.7	0.03		7.4	19.2			
50	HF	7414-15	10.3	0.17		6.1	23.1			
51	HF	7415-16	5.3	0.03		7.4	42.1			
52	VHF	7416-17	4.1	0.02		6.6	30.2			
53	NF	7417-18	6.1	0.04		4.3	19.2			
54	NF	7418-19	7.4	0.04		3.9	21.5			
55	VF	7419-20	6.6	0.03		2.6	25.9			
56	NF	7420-21	7.6	0.03		Trace	24.1			
57	VF	7421-22	7.2	0.02		Trace	43.5			
58	VF	7422-23	5.8	0.02		0	46.0			
59	VF	7423-24	6.8	0.01		0	43.4			
Core No. 3 7570 - 7632 Recovered 62'										
60	VF	7586-87	4.8	0.01		0	63.3			
61	VF	7587-88	6.1	0.01		0	36.1			
62	NF	7605-06	12.2	0.08		0	23.1			
63	NF	7606-07	13.5	0.10		0	25.1			
64	NF	7607-08	12.8	0.11		0	22.5			
65	NF	7608-09	12.5	0.08		0	21.0			
66	NF	7609-10	11.4	0.05		Trace	21.0			
67	NF	7610-11	10.7	0.07		Trace	31.2			
68	NF	7611-12	12.5	0.08		Trace	23.6			
69	NF	7612-13	11.6	0.18		0	13.1			
70	NF	7613-14	12.7	0.08		0	23.4			
71	NF	7614-15	12.8	0.08		0	20.3			
72	NF	7615-16	12.4	0.06		0	21.1			
73	NF	7616-17	10.5	0.04		0	31.1			
74	NF	7617-18	6.6	0.03		0	60.3			
75	NF	7618-19	6.6	0.03		0	60.3			
76	VHF	7619-20	9.5	0.03		0	34.7			
77	VF	7620-21	9.8	0.02		0	42.9			