

Preliminary Report
CHEMICAL & GEOLOGICAL LABORATORIES
 Farmington

CORE ANALYSIS REPORT

Company El Paso Natural Gas Company Date 11-6-59 Lab. No. _____
 Well No. San Juan 28-5 Unit, No. 35 Location Sec. 19-28N-5W
 Field Wildcat Formation Graneros
 County Rio Arriba Depths 7600' -
 State New Mexico Drilling Fluid _____

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

LEGEND
 NF--No Fracture
 IS--Insufficient Sample

S--Slight
 St--Strain
 V--Vertical
 Vg--Vugs

SAMPLE NO.	LEGEND	DEPTH, FEET	EFFECTIVE POROSITY PERCENT	PERMEABILITY MILLIDARCIES		SATURATIONS		CONNATE WATER	SOLUBILITY	
				HORIZONTAL	VERTICAL	% PORE SPACE RESIDUAL OIL	% PORE SPACE TOTAL WATER		MUD ACID	15 % ACID
		Core No. 1	7600'	-	7661'	Recovered	61'			
1	NF	7605-06	9.9	0.03		0	16.9			
2	NF	7606-07	12.1	0.04		0	18.3			
3	NF	7607-08	11.2	0.08		0	15.9			
4	NF	7608-09	8.4	0.05		Trace	22.6			
5	NF	7609-10	11.7	0.04		0	18.5			
6	NF	7610-11	12.5	0.08		0	11.6			
7	NF	7611-12	12.2	0.08		Trace	21.1			
8	NF	7612-13	11.4	0.59		Trace	15.2			
9	NF	7613-14	9.8	0.04		Trace	19.7			
10	NF	7614-15	10.5	0.03		0	21.9			
11	NF	7615-16	9.2	0.02		0	28.2			
12	NF	7616-17	8.0	0.03		0	31.0			
13	NF	7617-18	8.1	0.03		0	34.4			
14	NF	7618-19	9.1	0.04		0	31.2			
15	NF	7619-20	9.3	0.03		0	30.3			
16	NF	7620-21	8.1	0.02		0	31.6			
17	NF	7621-22	7.5	0.01		Trace	34.7			
18	NF	7622-23	6.9	0.01		Trace	37.2			
19	NF	7623-24	6.3	0.03		0	51.6			
20	NF	7624-25	5.7	0.02		0	60.5			
		Core No. 2	7661'	-	7722'	Recovered	61'			
21	NF	7662-63	2.2	0.01		0	97.0			
22	NF	7663-64	2.7	0.05		0	96.5			
23	NF	7664-65	3.4	0.08		0	63.8			
24	NF	7700-01	4.8	0.01		Trace	22.3			
25	NF	7701-02	7.1	0.02		Trace	12.9			
26	NF	7702-03	7.2	0.03		0	13.2			
27	NF	7703-04	8.1	0.09		0	7.7			

El Paso Natural Gas Company
San Juan 28-5 Unit, No. 35.
Rio Arriba County, New Mexico

*Permeability probably
caused by existing
shale interlamations

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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	15 % ACID
Core No. 2 continued										
28	NF	7704-05	7.5	0.05		0	8.4			
29	NF	7705-06	9.0	1.82 *		0	12.4			
30	NF	7706-07	9.3	0.06		0	15.3			
31	NF	7707-08	8.8	0.06		0	20.9			
32	NF	7708-09	9.2	0.10		0	17.2			
33	NF	7709-10	9.3	0.07		0	17.1			
34	NF	7710-11	10.0	0.06		Trace	16.9			
35	NF	7711-12	8.8	0.10		0	22.9			
36	NF	7712-13	9.3	0.07		0	15.8			
37	NF	7713-14	8.4	0.08		Trace	14.3			
38	NF	7714-15	9.4	0.67		0	17.8			
39	NF	7715-16	8.1	0.04		Trace	11.2			
40	NF	7716-17	10.0	0.05		0	10.6			
41	NF	7717-18	8.3	0.02		Trace	21.0			
42	NF	7718-19	9.0	0.03		0	20.1			
43	NF	7719-20	8.4	0.02		0	28.1			
44	NF	7720-21	8.0	0.01		0	38.0			
45	NF	7721-22	8.6	0.01		0	31.2			
Core No. 3 7722' - 7783' Recovered 61'										
46	VF	7722-23	9.0	0.03		0	35.3			
47	VF	7723-24	7.1	0.01		0	45.0			
48	VF	7724-25	3.9	0.02		0	64.6			
49	VF	7725-26	2.8	0.03		0	90.4			
50	VF	7726-27	2.9	0.02		0	84.5			
51	NF	7727-28	1.5	0.01		0	92.1			
52	VHF	7728-29	1.9	0.04		0	94.6			
53	VF	7729-30	1.5	0.02		0	90.9			
54	NF	7730-31	2.5	0.05		0	87.7			
55	NF	7731-32	6.1	0.06		0	84.9			
56	VF	7732-33	5.4	0.07		0	70.9			
57	VF	7733-34	2.6	0.05		0	83.4			
58	VHF	7734-35	6.8	0.04		0	41.3			
59	HF	7735-36	4.0	0.01		Trace	79.9			
60	HF	7745-46	5.4	0.04		Trace	80.3			
61	VHF	7746-47	2.2	0.02		0	60.5			
62	HF	7747-48	4.1	0.01		0	29.8			
63	NF	7748-49	4.0	0.02		0	33.8			
64	VHF	7749-50	4.8	0.10		Trace	54.8			
65	NF	7751-52	4.4	0.03		0	59.7			
66	HF	7752-53	1.5	0.02		0	61.3			
67	HF	7753-54	1.4	0.09		0	38.5			
68	HF	7754-55	2.0	0.03		0	65.0			
69	NF	7755-56	2.5	0.01		0	26.0			
70	NF	7756-57	2.0	0.01		0	61.5			
71	HF	7757-58	2.7	0.02		0	24.8			

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				HORIZONTAL	VERTICAL	% PORE SPACE RESIDUAL OIL	% PORE SPACE TOTAL WATER		MUD ACID	15 % ACID
Core No. 3 continued										
72	NF	7758-59	3.9	0.04		0	36.8			
73	NF	7761-62	3.1	0.02		0	36.2			
74	NF	7762-63	3.0	0.01		0	53.4			
75	NF	7763-64	4.5	0.01		0	21.8			
76	NF	7769-70	3.2	0.01		0	34.0			
77	NF	7770-71	2.7	0.01		0	24.8			
78	NF	7771-72	1.9	0.03		0	25.8			
79	HF	7772-73	1.8	0.04		0	49.6			
80	HF	7773-74	3.1	8.34*		0	28.4			
81	VHF	7774-75	3.3	1.48*		0	25.7			
82	NF	7775-76	5.3	0.11		0	24.4			
83	NF	7776-77	4.5	0.03		0	22.8			
84	HF	7777-78	2.7	0.01		0	44.2			
85	HF	7778-79	2.4	0.03		0	76.6			
86	VHF	7779-80	2.0	0.01		0	48.2			
87	HF	7780-81	3.8	0.02		0	28.4			
88	VF	7781-82	2.8	0.04		0	30.0			
Core No. 4 7783' - 7804' Recovered 19'										
89	NF	7790-91	6.6	2.40*		0	36.4			
90	VF	7791-92	5.4	0.05		0	19.7			
91	VF	7792-93	6.9	0.09		0	18.7			
92	VF	7793-94	6.2	0.06		0	20.6			
93	VF	7794-95	5.2	0.03		0	19.2			
94	VF	7795-96	3.0	0.01		0	43.3			
95	VHF	7796-97	4.6	0.09		0	31.3			
96	VHF	7797-98	5.7	1.98*		0	30.7			
97	HF	7798-99	6.3	0.03		0	25.4			
98	HF	7799-7800	4.1	0.02		0	28.8			
99	HF	7800-01	4.7	0.10		0	25.5			
100	VF	7702-03	2.6	0.03		0	36.9			