

CHEMICAL & GEOLOGICAL LABORATORIES

Farmington

CORE ANALYSIS REPORT

Company El Paso Natural Gas Company
Well No. San Juan, 32-7 No. 70-72-29
Field W C
County San Juan
State New Mexico

Date August 23, 1959 Lab. No. 29-32N-7W
Location Sec. 22-32N-9W
Formation Dakota
Depths 7745'
Drilling Fluid

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 PERCENT	PERMEABILITY MILLIDARCIES		SATURATIONS		CONNATE WATER	SOLUBILITY	
				HORIZONTAL	VERTICAL	% PORE SPACE RESIDUAL OIL	% PORE SPACE TOTAL WATER		MUD ACID	15 % ACID
Core No. 1 7745 - 7767 Recovered 22'										
1	VF	7752-53	8.6	0.01		0	26.0			
2	VF	7753-54	9.6	0.03		0	28.3			
3	VF	7754-55	9.3	0.01		T	27.6			
4	VF	7755-56	8.1	0.01		0	26.2			
5	NF	7756-57	8.9	0.02		T	30.4			
6	NF	7757-58	7.9	0.01		0	30.4			
7	VF	7758-59	7.6	0.01		0	28.7			
8	VF	7759-60	7.5	0.02		0	27.7			
9	VF	7760-61	5.6	0.01		T	53.8			
10	VF	7761-62	5.1	0.01		0	65.0			
11	VF	7762-63	2.7	0.01		0	51.5			
12	VF	7763-64	3.3	0.01		0	50.0			
13	VF	7764-65	3.8	0.01		0	62.9			
14	VF	7765-66	1.7	0.01		0	55.3			
Core No. 2 7767 - 7804 Recovered 37'										
15	NF	7788-89	4.9	0.01		0	33.7			
16	VF	7789-90	1.8	0.01		0	43.3			
17	VF	7790-91	4.2	0.01		0	24.5			
18	VF	7791-92	2.8	0.01		0	15.3			
19	VF	7792-93	4.9	0.01		0	25.9			
20	VF	7793-94	5.8	3.85		0	15.0			
21	VF	7794-95	5.5	0.02		0	19.5			
22	NF	7795-96	5.2	0.02		0	16.7			
23	NF	7796-07	4.4	0.02		0	17.9			
24	VF	7797-98	3.9	0.02		0	20.0			
25	VF	7798-99	3.8	0.61		0	14.5			
26	VF	7799-7800	6.3	0.03		0	16.8			
27	VF	7800-01	4.6	0.01		0	15.7			
28	HF	7801-02	4.5	0.02		0	13.8			
29	HF	7802-03	5.3	0.02		0	14.9			
30	VF	7803-04	4.2	0.21		0	14.5			

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CORE ANALYSIS REPORT

Company El Paso Natural Gas Company
Well No. San Juan 32-7 No. 22 29
Field Wildcat
County San Juan
State New Mexico

Date August 25, 1959 Lab. No. _____
Location Sec. 29-32N-7W
Formation Dakota
Depths 7805-7819
Drilling Fluid _____

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

LEGEND
NF—No Fracture
IS—Insufficient Sample

S—Slight
St—Stain
V—Vertical
Vu—Vugs

Sh - Shale

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. 3 7804-7819 Recovered 15'										
31	VF	7805-06	5.5	0.03		0	47.3			
32	NF	7806-07	6.0	0.03		0	52.8			
33	HF	7807-08	3.5	0.02		0	49.1			
34	VF	7811-12	6.5	0.02		0	41.1			
35	VF	7812-13	7.5	0.02		0	23.2			
36	VF	7813-14	5.4	0.01		0	19.3			
37	VF	7814-15	8.4	0.01		0	30.5			
38	VF	7815-16	5.1	0.01		0	41.2			
39	VF	7816-17	3.2	0.01		0	72.5			
40	VF	7817-18	4.9	0.01		0	39.2			
41	VF	7818-19	4.2	0.01		0	46.2			
Core No. 4 7819-7850 Recovered 31'										
42	HF	7828-29	9.8	0.34		0	41.8			
43	HF	7829-30	7.9	0.01		Trace	35.4			
44	VF	7830-31	7.4	0.01		0	43.4			
45	VF	7831-32	3.4	0.62		0	89.6			
46	VF	7832-33	2.8	0.01		Trace	94.7			
47	VF	7833-34	6.0	0.01		Trace	54.0			
48	VF	7834-35	5.6	0.54		0	61.3			
49	VF	7835-36	5.4	0.01		0	54.1			
50	HF, Sh	7836-37	9.9	0.01		Trace	66.9			
51	VF, Sh	7837-38	11.8	0.01		0	57.3			
52	HF, Sh	7838-39	7.3	0.01		0	67.9			
53	NF	7839-40	1.4	0.02		0	96.0			
54	VF	7840-41	2.9	0.08		0	78.9			
55	HF	7846-47	3.4	0.01		0	72.1			
56	VF	7847-48	9.1	0.34		Trace	45.1			
57	VF	7848-49	11.9	0.06		Trace	50.0			
58	VF	7849-50	8.5	0.03		Trace	41.3			

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CORE ANALYSIS REPORT

Company El Paso Natural Gas Company

Date August 26, 1959

Lab. No. _____

Well No. San Juan 32-7 No. 22 29

Location Sac 29-32N-7W

Field Wildcat

Formation Dakota

County San Juan

Depths 7850' - 7879'

State New Mexico

Drilling Fluid _____

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 PERCENT	PERMEABILITY MILLIDARCIES		SATURATIONS		CONNATE WATER	SOLUBILITY	
				HORIZONTAL	VERTICAL	% PORE SPACE RESIDUAL OIL	% PORE SPACE TOTAL WATER		MUD ACID	15 % ACID
Core No. 5 7850' - 7872' Recovered 20'										
59	VC	7850-51	11.0	.05		Trace	38.3			
60	NF	7851-52	12.1	.12		Trace	35.8			
61	NF	7852-53	10.5	.09		Trace	39.2			
62	NF	7853-54	10.3	.06		0	40.7			
63	VF, HC	7854-55	9.5	.13		Trace	34.7			
64	NF	7855-56	13.6	2.21		Trace	30.3			
65	NF	7856-57	10.8	.09		0	39.7			
66	NF	7857-58	9.1	.04		0	39.9			
67	VHF	7858-59	5.3	.03		Trace	48.9			
68	HF	7859-60	4.1	.01		0	53.7			
69	HF	7860-61	4.0	.01		0	50.0			
70	NF	7861-62	3.0	.02		Trace	54.3			
71	HF	7862-63	3.2	.01		0	46.6			
72	NF	7863-64	5.2	.03		0	35.9			
73	VHF	7864-65	1.5	.01		0	71.3			
74	VHF	7865-66	1.5	.01		0	18.0			
75	VHF	7866-67	3.3	.10		Trace	10.3			
76	HF	7867-68	3.1	.02		0	15.8			
77	HF	7868-69	3.0	.04		0	10.0			
78	VF	7869-70	4.5	.02		0	14.6			
Core No. 6 7872 - 7878 Recovered 2'										
79	NF	7872-73	3.9	.08		0	21.6			
80	HF	7873-74	4.2	.02		0	10.8			

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Well No. San Juan 32-7 No. 22 29
Field Wildcat
County San Juan
State New Mexico

Date August 29, 1959 Lab. No. _____
Location Sec. 29-32N-7W
Formation Dakota
Depths 7880' - 7913'
Drilling Fluid _____

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

LEGEND
NF--No Fracture
IS--Insufficient Sample

S--Slight
St--Strain
V--Vertical
Vn--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. 7 7880' - 7913'				Recovered 31'				
81	HVF	7890-91	3.0	.01		0	55.3			
82	VF	7891-92	3.5	.03		0	41.0			
83	HF	7903-04	1.4	.02		0	52.1			
84	NF	7906-07	0.5	.01		0	69.5			
85	HF	7907-08	2.4	.01		0	36.6			
86	HF	7908-09	1.2	.03		0	45.0			
87	HF	7909-10	4.7	.05		0	27.5			

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County San Juan
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Date August 25, 1959
Location Sec. 29-32N-7W
Formation Dakota
Depths 7805-7819
Drilling Fluid _____

Lab. No. _____

C—Crack
F—Fracture
H—Horizontal
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LEGEND
NF—No Fracture
IS—1 sufficient Sample

S—Slight
St—Stain
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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. 3 7804-7819 Recovered 15'								
31	VF	7805-06	5.5	0.03		0	47.3			
32	NF	7806-07	6.0	0.03		0	52.8			
33	HF	7807-08	3.5	0.02		0	49.1			
34	VF	7811-12	6.5	0.02		0	41.1			
35	VF	7812-13	7.5	0.02		0	23.2			
36	VF	7813-14	5.4	0.01		0	19.3			
37	VF	7814-15	8.4	0.01		0	30.5			
38	VF	7815-16	5.1	0.01		0	41.2			
39	VF	7816-17	3.2	0.01		0	72.5			
40	VF	7817-18	4.9	0.01		0	39.2			
41	VF	7818-19	4.2	0.01		0	46.2			