

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE April 7, 1958

Operator San Juan Gas Corporation		Lease Federal 23-B	
Location 1130S, 1175E, 23-24-2		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing Diameter 5-1/2	Set At Feet 3309	Tubing Diameter 2	Set At Feet 3210
Pay Zone From 3227	To 3252	Total Depth 3319	Shut-In 3/29/58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant C 12.365	
Shut-In Pressure, Casing, PSIG 849	PSIA 861	Days Shut-In 9	Shut-In Pressure, Tubing, PSIG 847
Flowing Pressure, P, PSIG 60	PSIA 72	Working Pressure, P _w , PSIG 244	PSIA 256
Temperature, T, F 59	F .85	F _{pv} From Tables 1.009	Gravity 0.684

CHOKE VOLUME $Q = C \times P_r \times F \times F_g \times F_{pv}$

$Q = 12.365 \times 72 \times 1.0010 \times .9393 \times 1.009 = 845$ MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{741321}{675785} \right)^n$$

$$(1.0969)^{.85} \times 845 = 1.0817 \times 845$$

Unloaded liquid during entire test.

$A_{of} = 914$ MCF/D

TESTED BY Richard Proctor

WITNESSED BY _____

Checked By: H. L. Kendrick

Lewis D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRIBUTION

NO.		
1. District Office		
2. District Office		
3. District Office		
4. District Office		
5. District Office		
6. District Office		
7. District Office		
8. District Office		
9. District Office		
10. District Office		
11. District Office		
12. District Office		
13. District Office		
14. District Office		
15. District Office		
16. District Office		
17. District Office		
18. District Office		
19. District Office		
20. District Office		
21. District Office		
22. District Office		
23. District Office		
24. District Office		
25. District Office		
26. District Office		
27. District Office		
28. District Office		
29. District Office		
30. District Office		
31. District Office		
32. District Office		
33. District Office		
34. District Office		
35. District Office		
36. District Office		
37. District Office		
38. District Office		
39. District Office		
40. District Office		
41. District Office		
42. District Office		
43. District Office		
44. District Office		
45. District Office		
46. District Office		
47. District Office		
48. District Office		
49. District Office		
50. District Office		
51. District Office		
52. District Office		
53. District Office		
54. District Office		
55. District Office		
56. District Office		
57. District Office		
58. District Office		
59. District Office		
60. District Office		
61. District Office		
62. District Office		
63. District Office		
64. District Office		
65. District Office		
66. District Office		
67. District Office		
68. District Office		
69. District Office		
70. District Office		
71. District Office		
72. District Office		
73. District Office		
74. District Office		
75. District Office		
76. District Office		
77. District Office		
78. District Office		
79. District Office		
80. District Office		
81. District Office		
82. District Office		
83. District Office		
84. District Office		
85. District Office		
86. District Office		
87. District Office		
88. District Office		
89. District Office		
90. District Office		
91. District Office		
92. District Office		
93. District Office		
94. District Office		
95. District Office		
96. District Office		
97. District Office		
98. District Office		
99. District Office		
100. District Office		