

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

CORRECTED COPY

DATE January 12, 1972

Operator EL PASO NATURAL GAS COMPANY		Lease EPNG "A" No. 1	
Location 790' /S - 2200' /E S 21, T32N, R6W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 2.875	Set At: Feet 8146	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 7898	To 8062	Total Depth: 8146	Shut In 1-4-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches Plate 4" M.R.; 2.750"	Choke Constant: C Plate 41.10	Tested through a 3/4" Variable Choke	
Shut-In Pressure, Casing, PSIG 2672	+ 12 = PSIA 2684	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing
Flowing Pressure: P PSIG 29 W.H.; 6 M.R.	+ 12 = PSIA 41 W.H.; 18 M.R.	Working Pressure: Pw Calculated	PSIG 36
Temperature: T = 88 °F	n = 0.75	Fpv (From Tables) 1.002	Gravity 0.600 Fg = 1.2910

$$\text{FOKE VOLUME} = Q = C \times P_f \times F_t \times F_g \times F_{pv}$$

$$Q = \text{Calculated from orifice meter readings} = 329 \text{ MCF/D}$$

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

Note: The well produced no liquids to the tank during the test.

$$Aof = \left( \frac{7203856}{7202560} \right)^n = (329)(1.0002)^{.75} = (329)(1.0001)$$

$$Aof = 329 \text{ MCF/D}$$

TESTED BY Bobby J. Broughton

WITNESSED BY

*H. E. McAnally*  
H. E. McAnally

