

Operator EL PASO NATURAL GAS COMPANY		Lease EPNG "A" No. 1	
Location 790 1/S - 2200 1/E, 521, 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" Plate 41.10		Choke Constant: C 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	+ 12 = PSIA	
Flowing Pressure: P 29 W.H.; 6 M.R. PSIG	+ 12 = PSIA 41 W.H.; 18 M.R.		Working Pressure: P <sub>w</sub> Calculated PSIG	+ 12 = PSIA 36	
Temperature: T = 88 °F	n = 0.75		F <sub>pv</sub> (From Tables) 1.002	Gravity 0.600	F <sub>g</sub> = 1.2910

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

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

$$\text{OPEN FLOW} = Aof = Q \left( \frac{P_c^2}{P_c^2 - P_w^2} \right)^n \quad \text{Note: The well produced no liquids to the tank during the test.}$$

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

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

TESTED BY Bobby J. Broughton

WITNESSED BY \_\_\_\_\_

H. E. McAnally  
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