

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 31, 1974

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit #208	
Location 1850/S, 800/W, Sec. 11, T27N, R6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7504'	Tubing: Diameter 1.990	Set At: Feet 7469'
Pay Zone: From 7225	To 7472'	Total Depth: PBD 7504' 7495'	Shut In 5-23-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2622	+ 12 = PSIA 2634	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 2149	+ 12 = PSIA 2161	
Flowing Pressure: P PSIG 61	+ 12 = PSIA 73		Working Pressure: Pw PSIG 620	+ 12 = PSIA 632	
Temperature: T = 71 °F	n = Ft = .9896		Fpv (From Tables) 1.0070	Gravity .620	Fg = .9837

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = 12.365(73)(.9896)(.9837)(1.0070) = \underline{885} \text{ MCF/D}$$

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

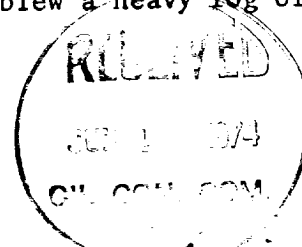
$$Aof = Q \left(\frac{6937956}{6538532} \right)^n = 885(1.0611)^{.75} = 885(1.0455)$$

$$Aof = \underline{925} \text{ MCF/D}$$

Note: The well blew a heavy fog of water.

TESTED BY J. B. Goodwin

WITNESSED BY _____



Loren W. Fothergill

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Well Test Engineer