

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 3-17-70

Operator El Paso Natural Gas Company		Lease San Juan 29-6 Unit No. 98	
Location 1850S, 1850W, S26, T29N, R6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7720	Tubing: Diameter 1.900	Set At: Feet 7653
Pay Zone: From 7588	To 7690	Total Depth: 7720	Shut In 3-9-70
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubing perforated w/4 holes at 7653'	
Shut-In Pressure, Casing, PSIG 2632	+ 12 = PSIA 2644	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 2372	+ 12 = PSIA 2384	
Flowing Pressure: P PSIG 222	+ 12 = PSIA 234	Working Pressure: Pw PSIG 517	+ 12 = PSIA 529		
Temperature: T = 83 °F	n = Ft = .9786	Fpv (From Tables) 1.020	Gravity .650	Fg = .9608	

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

$$Q = (12.365)(234)(.9786)(1.020)(.9608) = 2775 \text{ MCF/D}$$

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

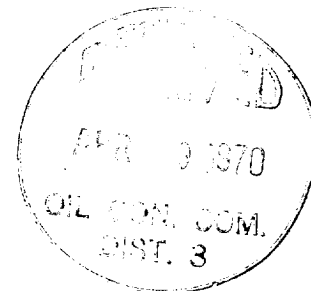
Note: Heavey fog of water and distillate throughout test.

$$Aof = \left(\frac{6990736}{6710895} \right)^n = (2775)(1.0416)^{.75} = (1.0311)(2775)$$

$$Aof = 2861 \text{ MCF/D}$$

TESTED BY T. D. Norton

WITNESSED BY _____



H. L. Kendrick
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