

ocp

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 11/27/72

Operator EL PASO NATURAL GAS COMPANY		Lease San Juan 28-6 Unit #14-Y	
Location 1150/S, 1850/W, Sec. 17, T28N, R6W		County Rio Arriba	State NM
Formation Mesaverde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6049	Tubing: Diameter 2.375	Set At: Feet 5987
Pay Zone: From 5126	To 6000	Total Depth: 6049	Shut In 11/19/72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 832	+ 12 = PSIA 844	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 832	+ 12 = PSIA 844	
Flowing Pressure: P PSIG 269	+ 12 = PSIA 281		Working Pressure: P _w PSIG 622	+ 12 = PSIA 634	
Temperature: T = 64 °F	F _t = .9962	n = .75	F _p (From Tables) 1.029	Gravity .670	F _g = .9463

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

$$Q = (12.365)(281)(.9962)(.9463)(1.029) = \underline{3371} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{712336}{310380} \right)^n = 3371 (2.2950)^{.75} = 3371 (1.8646)$$

$$Aof = \underline{6285} \text{ MCF/D}$$

NOTE: Well produced light to medium mist of water and distillate thru test.

TESTED BY BB

WITNESSED BY _____

William D. Welch
William D. Welch
Well Test Engineer

