

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE Aug. 20, 1979

Operator El Paso Natural Gas Company		Lease Moore #5A (PC)	
Location NW 24-32-12		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5738'	Tubing: Diameter 1 1/4	Set At: Feet 3056
Pay Zone: From 2906	To 3074'	Total Depth: 5738'	Shut In 8-6-79
Stimulation Method Sand Water Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1012	+ 12 = PSIA 1024	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 1012	+ 12 = PSIA 1024	
Flowing Pressure: P PSIG 198	+ 12 = PSIA 210		Working Pressure: P _w PSIG 234	+ 12 = PSIA 246	
Temperature: T = 52 °F F _t = 1.008	n = .85		F _{pv} (From Tables) 1.022	Gravity .670 F _g = .9463	

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

$$Q = 12.365 \times 210 \times 1.008 \times .9463 \times 1.022 = 2531 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1048576}{988060} \right)^n = (1.0612)^{.85} (2531) = (1.0518) (2531)$$

NOTE: Well Blew Dry Gas Throughout Test & Vented 381 MCF To The Atmosphere.

$$Aof = 2662 \text{ MCF/D}$$

TESTED BY Carl Rhames

WITNESSED BY _____

C.R. Wagner
Well Test Engineer