

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 30, 1974

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit #168 (PC)	
Location 1150/N, 910/E, Sec. 6, T27N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco	
Casing: Diameter 2.875	Set At: Feet 2842'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2690	To 2730	Total Depth: PBTD 3731' 2832'	Shut In 4-19-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 938	+ 12 = PSIA 950	Days Shut-In 41	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 232	+ 12 = PSIA 244	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 302		
Temperature: T = 69 °F	n = F _t = .9915	F _p (From Tables) 1.0200	Gravity .625	F _g = .9798	

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

$$Q = 12.365(244)(.9915)(.9798)(1.0200) = \underline{\quad 2990 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{902500}{811296} \right)^n = 2990(1.1124)^{.85} = 2990(1.0948)$$

$$Aof = \underline{\quad 3273 \quad} \text{ MCF/D}$$

Note: The well produced a dry flow.

TESTED BY C. Rhames

WITNESSED BY _____



Loren W Fothergill
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Well Test Engineer