

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE November 17, 1965

Operator El Paso Natural Gas Company		Lease Day "A" No. 6	
Location 1150' N, 920' E. Sec. 7, T-29-N, R-8-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2974	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2855	To 2892	Total Depth: 2974	Shut In 11-10-65
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 922	+ 12 = PSIA 934	Days Shut-In 7	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 151	+ 12 = PSIA 163		Working Pressure: P <sub>w</sub> PSIG Calc.	+ 12 = PSIA 204
Temperature: T = 61 °F F <sub>t</sub> = .9990	n = .85		F <sub>pv</sub> (From Tables) 1.014	Gravity .625 F <sub>g</sub> = .9798

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

$$Q = (12.365) (163) (.9990) (.9798) (1.014) = \underline{2,000} \text{ MCF/D}$$

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

$$A_{of} = \left( \frac{872,356}{830,740} \right)^n = (2,000) (1.0500)^{.85} = (2,000) (1.0423) =$$

NOTE: Blew nearly dry gas for entire test.

$$A_{of} = \underline{2,085} \text{ MCF/D}$$

TESTED BY Jesse B. GoodwinCHECKED BY Hermon E. McAnally~~WITNESSED BY~~

RECEIVED  
NOV 19 1965  
EL PASO NAT. GAS. CO.

L. D. Galloway  
Lewis D. Galloway