

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE July 30, 1975

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit #202 (CH)	
Location 1675/S, 1080/E, Sec. 8, T27N, R7W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Undesig	
Casing: Diameter 2.875	Set At: Feet 4387'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 4323	To 4328	Total Depth: PBD 4387'	Shut In 7-15-75
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 714	+ 12 = PSIA 726	Days Shut-In 15	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 1	+ 12 = PSIA 13		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 17	
Temperature: T = 62 °F	F <sub>t</sub> = .9981	n = .75	F <sub>pv</sub> (From Tables) 1.004	Gravity .655	F <sub>g</sub> = .9571

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

$$Q = 12.365(13)(.9981)(.9571)(1.004) = \underline{154} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{527076}{526787} \right)^n = 154(1.0005)^{.75} = 154(1.0004)$$

$$Aof = \underline{154} \text{ MCF/D}$$

Note: Well unloaded H2O for 30 min.  
Then blew dry gas rest of the  
test. The gas vented was 24  
MCF.

TESTED BY Rhames

WITNESSED BY \_\_\_\_\_

  
Well Test Engineer