

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE September 17, 1974

Operator El Paso Natural Gas Company		Lease Rincon Unit #127 (OWWO) (MV)	
Location 800/E, 1190/N, Sec. 28, T27N, R6W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5.000	Set At: Feet 7698'	Tubing: Diameter 1.660	Set At: Feet 4931'
Pay Zone: From 4844	To 4912	Total Depth: PBD 7698' 7665'	Shut In 8-13-74
Stimulation Method Sandwater Frac		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 890	+ 12 = PSIA 902	Days Shut-In 21	Shut-In Pressure, Tubing PSIG 890	+ 12 = PSIA 902	
Flowing Pressure: P PSIG 31	+ 12 = PSIA 43		Working Pressure: P <sub>w</sub> PSIG 34	+ 12 = PSIA 46	
Temperature: T = 65 °F	n = .75		F <sub>pv</sub> (From Tables) 1.005	Gravity .692	F <sub>g</sub> = .9318

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

$$Q = (12.365)(43)(.9952)(.9318)(1.005) = \underline{496} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{813604}{811488} \right)^n = 496(1.0026) = .75 496(1.0019)$$

$$Aof = \underline{496} \text{ MCF/D}$$

Note: Well blew dry gas throughout test.

TESTED BY F. C. Johnson

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

Loren W. Fothergill  
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Well Test Engineer

