

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 17, 1968

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit No. 142	
Location 800'N, 1150'E, Sec. 23, T-25-N, R-6-W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Undesignated	
Casing: Diameter 2.875	Set At: Feet 3525	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3372	To 3478	Total Depth: 3525	Shut In 10-7-68
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 902	+ 12 = PSIA 914	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA ----	
Flowing Pressure: P PSIG 127	+ 12 = PSIA 139		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 179	
Temperature: T = 57 °F	n = 1.0029		Fpv (From Tables) 1.013	Gravity .660	Fg = .9535

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

$$Q = (12.365)(139)(1.0029)(.9535)(1.013) = 1665 \text{ MCF/D}$$

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

$$Aof = \left(\frac{835396}{803355} \right)^n = (1665)(1.0398)^{.75} = (1665)(1.0297)$$

Note: The well produced dry gas throughout the test.

$$Aof = 1714 \text{ MCF/D}$$

TESTED BY Don NortonCalculated
WITNESSED BY Harmon E. McAnallyChecked by George A. Lippman

H. L. Kendrick
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