

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 25, 1971

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit No. 165	
Location 1750' S, 1750' W, S 14, T25N, R6W		County Rio Arriba	State New Mexico
Formation Chacra		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3614	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 3421	To 3533	Total Depth: 3614	Shut In 10-15-71
Stimulation Method S W F		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 819	+ 12 = PSIA 831	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 142	+ 12 = PSIA 154	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 199		
Temperature: T = 62 °F	F _t = .9981	n = 0.75	F _{pv} (From Tables) 1.015	Gravity .663	F _g = .9513

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

$$Q = (12,365)(154)(.9981)(.9513)(1.015) = \underline{1835} \text{ MCF/D}$$

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

NOTE: The well produced a very light fog of water throughout the test.

$$Aof = \left(\frac{690561}{650960} \right)^n = (1835)(1.0608)^{.75} = (1835)(1.0452)$$

$$Aof = \underline{1918} \text{ MCF/D}$$

TESTED BY B.J. Broughton

WITNESSED BY _____



L. E. Mabe, Jr.
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