

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 10, 1967

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit No. 157 (CH)	
Location 1850'N, 1550'E, Sec. 5, T-25-N, R-6-W		County Rio Arriba	State New Mexico
Formation Gallina		Pool Undesignated	
Casing: Diameter 5.375	Set At: Feet 3570	Tubing: Diameter 1.900	Set At: Feet 3469
Pay Zone: From 3406	To 3520	Total Depth: 3570	Shut In 11-3-67
Stimulation Method Salt Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365		Baker Model (U-1) Pkr. at 2500	
Shut-In Pressure, Casing, PSIG 358 (PC)	+ 12 = PSIA 370 (PC)	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 741 (CH)	+ 12 = PSIA 753 (CH)	
Flowing Pressure: P PSIG 43	+ 12 = PSIA 60		Working Pressure: Pw PSIG Calc.	+ 12 = PSIA 157	
Temperature: T = 52 °F	n = .75		Fpv (From Tables) 1.004	Gravity .670	Fg = .9608

Initial SIPT (PC) = 358 psig

Final SIPT (PC) = 358 psig

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

$$Q = (12.365)(60)(1.0010)(.9608)(1.004) = 716 \text{ MCF/D}$$

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

$$Aof = \left(\frac{567009}{542360} \right)^n = (716)(1.0454)^{.75} = (716)(1.0339)$$

NOTE: The well produced a light fog of distillate throughout the test. This retest conducted after cleaning well for 18 days.

$$Aof = 740 \text{ MCF/D}$$

TESTED BY Don NortonCALCULATED
WITNESSED BY H. E. McAnallyCHECKED BY T. B. Grant

H. L. Kendrick
H. L. Kendrick

