

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 30, 1965

Operator El Paso Natural Gas Company		Lease Green Com. No. 1	
Location 1935'N, 825'W, Sec. 36, T-29-N, R-9-W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2003	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2085	To 2101	Total Depth: 2203	Shut In 11-20-65
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 850	12 PSIA 862	Days Shut-In 10	Shut-In Pressure, Tubing, PSIG No Tubing	12 PSIA	
Flowing Pressure: P, PSIG 170	12 PSIA 182		Working Pressure: Pw, PSIG Calc.	12 PSIA 217	
Temperature: T, °F 64	n .9962		Fpv (From Tables) 1.018	Gravity .660	Eg .9535

CHOKE VOLUME = $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = (12.365) (182) (.9962) (.9535) (1.018) = 2,176$$

MCF/D

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

$$Aof = \left(\frac{743,044}{695,955} \right)^n (1.0676)^{.25} (2176) = (1.0572) (2176)$$



NOTE: Well blew very light spray of water and distillate throughout the test.

Aof **2,300** MCF/D

TESTED BY **Dan R. Roberts**
CHECKED BY **Herman E. McNally**
~~WATSON CO. CO.~~

Lewis D. Galloway
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