

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

000 (2)

DATE August 17, 1972

Operator El Paso Natural Gas Company		Lease Heaton No. 28	
Location 1750/S, 1450/W, Sec. 25 T 31N, R 11W		County San Juan	State New Mexico
Formation Pictured Cliffs <i>Est</i>		Pool <i>Blanco</i> Undesignated	
Casing: Diameter 2.075	Set At: Feet 2650	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2500	To 2606	Total Depth: 2650	Shut In 8-8-72
Stimulation Method SWF		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 741	+ 12 = PSIA 753	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 121	+ 12 = PSIA 133	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 164		
Temperature: T = 62 °F	n = .85	Fpv (From Tables) 1.013	Gravity .675	Fg = .9427	

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

$$Q = 12.365 \times 133 \times .9981 \times .9427 \times 1.013 = 1567 \text{ MCF/D}$$

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

NOTE: Produced light fog of water and distillate throughout the test.

$$Aof = \left(\frac{567009}{540113} \right)^n = (1.6498)^{.85} (1567) = (1.0422)(1567)$$

$$Aof = 1634 \text{ MCF/D}$$

TESTED BY J. A. Jones

WITNESSED BY



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