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EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 12/29/72

Operator EL PASO NATURAL GAS COMPANY		Lease EPNG Com H #9	
Location 850/N, 1650/W, Sec. 32, T31N, R10W		County San Juan	State NM
Formation Pictured Cliffs		Pool Blanco	
Casing: Diameter 2.875	Set At: Feet 2909	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2764	To 2804	Total Depth: 2909	Shut In 12/21/72
Stimulation Method SWF		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 932	+ 12 = PSIA 944	Days Shut-In 8	Shut-In Pressure, Tubing PSIG	+ 12 = PSIA	
Flowing Pressure: P PSIG 244	+ 12 = PSIA 256	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 320		
Temperature: T = 60 °F Ft = 1.000	n = .85	Fpv (From Tables) 1.023	Gravity .635	Fg = .9721	

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

$$Q = (12.365)(256)(1.000)(.9721)(1.023) = \underline{3148} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{891136}{788736} \right)^n = 3148 (1.1298)^{.85} = 3148 (1.1093)$$

$$Aof = \underline{3492} \text{ MCF/D}$$

NOTE: The well produced a very light spray of water and distillate throughout test.

TESTED BY J. Jones

WITNESSED BY _____

William D Welch
William D. Welch
Well Test Engineer



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