

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE December 21, 1966

Operator EL PASO NATURAL GAS COMPANY		Lease EPNG Com "A" No. 2 (OWWO)	
Location 890'S, 1120'W, 32-31-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5510	Tubing: Diameter 2.375	Set At: Feet 5351
Pay Zone: From 4712	To 5452	Total Depth: 5515	Shut In 12-14-66
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 820	+ 12 = PSIA 832	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 820	+ 12 = PSIA 832	
Flowing Pressure: P PSIG 300	+ 12 = PSIA 312		Working Pressure: P _w PSIG 702	+ 12 = PSIA 714	
Temperature: T = 84 °F	n = F _t = .9777		F _{pv} (From Tables) 1.027	Gravity .655	F _g = .9571

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

$$Q = (12.365)(312)(.9777)(.9571)(1.027) = \underline{3708} \text{ MCF/D}$$

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

$$Aof = \left(\frac{692224}{182428} \right)^n = (3.7945)^{.75} (3708) = (2.7187)(3708)$$

$$Aof = \underline{10081} \text{ MCF/D}$$

TESTED BY Dan RobertsCHECKED BY A. J. Loleit

H. L. Kendrick

El Paso Natural Gas Company

WORKED OVER WELL NOTICE

Form 23-202 (8-60)

The attached Initial Potential Test was made on this well after workover. This test signifies the completion of the workover, and the well is now ready for reconnection and production into the gathering system.

H. L. Kendrick

Sr. Gas Engineer