

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE November 19, 1968

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit No. 17 (OWWO)	
Location 1800'S, 1650'W, Sec. 8, T-31-N, R-9-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5943	Tubing: Diameter 2.375	Set At: Feet 5846
Pay Zone: From 5775	To 5910	Total Depth: 5943	Shut In 11-10-68
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 874	+ 12 = PSIA 886	Days Shut-In 9	Shut-In Pressure, Tubing PSIG 801	+ 12 = PSIA 813	
Flowing Pressure: P PSIG 190	+ 12 = PSIA 202		Working Pressure: Pw PSIG 643	+ 12 = PSIA 655	
Temperature: T = 84 °F	n = .75		Fpv (From Tables) 1.017	Gravity .642	Fg = .9682

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

$$Q = (12.365)(202)(.9777)(.9682)(1.017) = \underline{2405} \text{ MCF/D}$$

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

$$Aof = \left(\frac{784996}{355971} \right)^n = (2405)(2.2052)^{.75} = (2405)(1.8096)$$

Note: This well unloaded water and distillate after five minutes and then blew heavy spray throughout the remainder of the three hour test.

$$Aof = \underline{4352} \text{ MCF/D}$$

TESTED BY D. RobertsCalculated G. A. Lippman
WITNESSED BY

H. L. Kendrick
H. L. Kendrick



