

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 9-7-71

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit No. 19 (OWWO)	
Location 1650' N, 990' E, S 17, T31N, R9W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6054	Tubing: Diameter 2.375	Set At: Feet 5995
Pay Zone: From 5656	To 6012	Total Depth: 6054	Shut In 8-30-71
Stimulation Method S W F		Flow Through Casing	Flow Through Tubing XXX

Meter Size, Inches 4" NR 2.750" plt.		Meter Constant: C 41.9208		well tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 757	+ 12 = PSIA 769	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 644	+ 12 = PSIA 656	
Flowing Pressure: P PSIG MR-66 WH-246	+ 12 = PSIA MR-78 WH-258		Working Pressure: Pw PSIG 666	+ 12 = PSIA 678	
Temperature: T = 64 °F	n = Ft = .9962		Fpv (From Tables) 1.009	Gravity .658	Fg = 1.2328

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

$$Q = \text{Calculated from orifice meter readings} = 2431 \text{ MCF/D}$$

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

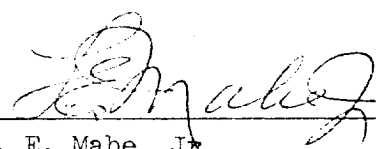
Note: well produced 29 barrels of
31.9° API oil.

$$Aof = \left(\frac{591361}{131677} \right)^n = 2431(4.4910)^{.75} = 2431(3.0850)$$

$$Aof = 7500 \text{ MCF/D}$$

TESTED BY B. J. Broughton & R. R. Hardie

WITNESSED BY


L. E. Mabe, Jr.