

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 6-21-71

Operator El Paso Natural Gas Company		Lease San Juan 30-6 Unit No. 89 (OWWO)	
Location 1800'N, 990E, S 36, T30N, R6W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6379	Tubing: Diameter 2.375	Set At: Feet 6230
Pay Zone: From 5632	To 6224	Total Depth: 6385	Shut In 6-11-71
Stimulation Method S W F		Flow Through Casing	Flow Through Tubing XXX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 777	+ 12 = PSIA 789	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 442	+ 12 = PSIA 454	
Flowing Pressure: P PSIG 184	+ 12 = PSIA 196		Working Pressure: P _w PSIG 682	+ 12 = PSIA 694	
Temperature: T = 67 °F	n = .9933		Fpv (From Tables) 1.017	Gravity .635	Fg = .9721

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

$$Q = 12.365 \times 196 \times .9933 \times .9721 \times 1.017 = 2380 \text{ MCF/D}$$

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

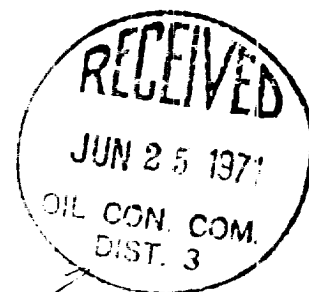
Note: Well blew light mist of water throughcut test.

$$Aof = \left(\frac{622521}{140885} \right)^n = 2380(4.4186)^{.75} = 2380(3.0476)$$

$$Aof = 7253 \text{ MCF/D}$$

TESTED BY B. J. Broughton

WITNESSED BY



H. L. Kendrick
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