

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE 6-9-72

Operator El Paso Natural Gas Company		Lease Atlantic "A" No. 7 (OWWO)	
Location 1600/S, 1750/W Sec. 29 T 31N - R 10W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5382	Tubing: Diameter 2.375	Set At: Feet 5301
Pay Zone: From 4358	To 5330	Total Depth: 5382	Shut In 6-2-72
Stimulation Method S W F.		Flow Through Casing	Flow Through Tubing XXXX

PIACE Choke Size, Inches 2 750		PIACE Choke Constant: C 41.10			
Shut-In Pressure, Casing, PSIG 776	+ 12 = PSIA 788	Days Shut-In 22	Shut-In Pressure, Tubing PSIG 740	+ 12 = PSIA 752	
Flowing Pressure: P PSIG MR 74 w/h 165	+ 12 = PSIA MR 86 w/h 177		Working Pressure: P <sub>w</sub> PSIG 710	+ 12 = PSIA 722	
Temperature: T = 76 °F F <sub>t</sub> = 9850	n = .75		F <sub>pv</sub> (From Tables) 1.008	Gravity .665 F <sub>g</sub> = 1.226	

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

$$Q = \text{Calculated from meter readings} = 2818 \text{ MCF/D}$$

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

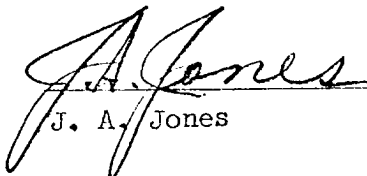
NOTE: Well produced 14.5 bbls. of oil during the test.

$$Aof = \left( \frac{620,944}{99,660} \right)^{.75} = (6.2306)^{.75} (2818) = (3.9437)(2818)$$

$$Aof = 11,115 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY


  
J. A. Jones
