

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 6-17-71

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 152	
Location 800' S, 800' W, S 24, T28N, R6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7890	Tubing: Diameter 1.990	Set At: Feet 7813
Pay Zone: From 7612	To 7808	Total Depth: 7890	Shut In 6-6-71
Stimulation Method S W F		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2582	+ 12 = PSIA 2594	Days Shut-In 11	Shut-In Pressure, Tubing PSIG 2576	+ 12 = PSIA 2588	
Flowing Pressure: P PSIG 420	+ 12 = PSIA 432		Working Pressure: P _w PSIG 648	+ 12 = PSIA 660	
Temperature: T = 80 °F	n =		F _{pv} (From Tables) 1.033	Gravity .620	F _g = .9837
F _t = .9813	.75				

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

$$Q = 12.365 \times 432 \times .9813 \times .9837 \times 1.033 = 5327 \text{ MCF/D}$$

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

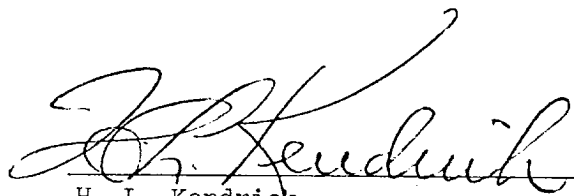
Note: Blew heavy fog of water throughout the test.

$$Aof = \left(\frac{6728836}{6293236} \right)^n = 5327(1.0692)^{.75} = 5327(1.0514)$$

$$Aof = 5601 \text{ MCF/D}$$

TESTED BY Jesse B. Goodwin

WITNESSED BY


 H. L. Kendrick
