

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE March 26, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit # 69	
Location 990'S, 810'W, Sec. 24-27-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5 1/2	Set At: Feet 5677	Tubing Diameter 2	Set At: Feet 5541
Play Zone: From 5000	To 5566	Total Depth 5675 - c/o - 5600. Packer @ 3425	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 14.1605		
Shut-In Pressure, Casing, PSIG P.C. 1042	PSIA 12	Day's Shut-In 11	Shut-In Pressure, Tubing, PSIG 1081
Flowing Pressure, P, PSIG 422	PSIA 434		Working Pressure, Pw, PSIG Calculated
Temperature, T 60			Flow From Tables 1.052
			Gravity .693

CHOKED VOLUME $Q = C \times P_c \times F_p \times F_g \times F_{pv}$

$$Q = 14.1605 \times 434 \times 1.0 \times .9325 \times 1.052 \quad 6029 \quad \text{MCF/D}$$

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

$$Aof = \left(\frac{1,194,649}{228,360} \right)^n \quad (5.231)^{.75} \times 6029 = 3.455 \times 6029$$

Well blew a heavy stream of distillate during entire test period.

$$Aof = 20,830 \quad \text{MCF/D}$$

TESTED BY E. A. Ullrich

WITNESSED BY

cc: E. J. Coel, Jr. (6)


L. D. Galloway
