

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 27, 1956

Operator Frank A. Schultz, Jr.		Lease Schultz State # 6-16	
Location 990'S, 990'W, Sec. 16-29N-10W		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Aztec Pictured Cliff	
Casing Diameter 5$\frac{1}{2}$	Set At: Feet 2052	Tubing: Diameter 1	Set At: Feet 2104
Pay Zone: From 2047	To 2127	Total Depth: 2127	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 14.1605	
Shut-In Pressure: Casing 636	PSIG - 12 = PSIA 648	Days Shut-In 11	Shut-In Pressure: Tubing 636
Flowing Pressure: P 384	PSIG - 12 = PSIA 396		Working Pressure: P _w 391
Temperature: T 68	F - 460 = R 0.850	Fpv (From Tables) 1.038	Gravity 650

CHOKE VOLUME = Q C x P_i x F_v x F_g x F_{pv}

$$Q = 14.1605 \times 396 \times .9924 \times .9608 \times 1.038 = 5550 \text{ MCF/D}$$

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

ILLEGIBLE

$$A_{of} = \left(\frac{419,904}{257,495} \right)^n \times 1.6307^{.85} \times 5550 = 1.5148 \times 5550$$

$$A_{of} = 8407 \text{ MCF/D}$$

TESTED BY Tom GrantWITNESSED BY Virgil Stoabs, Benson-Montin-Greer

cc: (4) Benson-Montin-Greer



Lewis D. Galloway
L. D. Galloway