

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE March 8, 1957

Operator El Paso Natural Gas Company		Lease Ninecon Unit # 93	
Location 800'S, 1050'E, Sec. 11-26-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5½	Set At: Feet 2793	Tubing: Diameter 1½	Set At: Feet 2724
Perforations: From 2706	To 2741	Total Depth: 2790 - c/o - 2750	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75	Choke Constant: C 14.1605		
Shut-in Pressure, Casing, PSIG 831	+ 12 - PSIA 843	Days Shut-In 22	Shut-in Pressure, Tubing, PSIG 831
Flowing Pressure: P, PSIG 527	+ 12 - PSIA 539		Working Pressure: Pw, PSIG 541
Temperature: T, F 64	F .85		Fpv (From Tables) 1.059
			Gravity .660

$$\text{CHOKE VOLUME} = Q \cdot C \cdot P_r \cdot F_p \cdot F_g \cdot F_{pv}$$

$$Q = 14.1605 \times 539 \times .9962 \times .9535 \times 1.059 = 7678 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{710,649}{404,840} \right)^n (1.7553)^{.85} \times 7678 = 1.614 \times 7678$$

$$A_{of} = 12,392 \text{ MCF/D}$$

By: K. C. McBride

WITNESSED BY:

By: Tom Grant

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRIBUTION

	NO.	DATE
Director	1	
Asst. Dir.		
Asst. Dir. Admin.		
Asst. Dir. Engr.	1	
Inspector		
Transporter	1	✓
File		