

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **August 27, 1959**

Operator El Paso Natural Gas Products		Lease Delhi-Taylor Pool Unit No. 1-E	
Location SNW 4-26-11		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated Dakota	
Casing: Diameter 5-1/2	Set At: Feet 6537	Tubing: Diameter 2-3/8	Set At: Feet 6377
Pay Zone: From 6312	To 6406	Total Depth: 6539	Shut in: 8/20/59
Stimulation Method Sand Oil Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 14.1605	
Shut-In Pressure, Casing, PSIG 1993	- 12 - PSIA 2005	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1991
Flowing Pressure: P PSIG 351	- 12 - PSIA 363		Working Pressure: P _w PSIG 901
Temperature: T 82	F .75		Gravity .720
			F _{pv} (From Tables) 1.040

$$\text{CHOKE VOLUME} = Q \quad C \times P_c \times F_c \times F_g \times F_{pv}$$

$$Q = 14.1605 \times 363 \times .9795 \times .9129 \times 1.040 = 4780 \text{ MCF/D}$$

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

$$A_{cf} = \left(\frac{4020025}{3186456} \right)^n \quad 1.2615^{.75} \times 4780 = 1.1901 \times 4780$$

$$A_{of} = 5689 \text{ MCF/D}$$

TESTED BY W. D. DawsonWITNESSED BY John Strojeck

S. V. Roberts (FOR)
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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