

000 (2)

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 8/24/72

Operator El Paso Natural Gas Company		Lease Deam #8	
Location 1550/S, 890/W, Sec. 32-T28N-R9W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.675	Set At: Feet 3059	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 2990	To 3016	Total Depth: 3059	Shut In 8/10/72
Stimulation Method SWP		Flow Through Casing XXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 592	+ 12 = PSIA 604	Days Shut-In 14	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 121	+ 12 = PSIA 133	Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 168		
Temperature: T = 57 °F	Ft = 1.003	n = .85	F _{pv} (From Tables) 1.012	Gravity .645	F _g = .9645

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

$$Q = (12.365)(133)(1.003)(.9645)(1.012) = \underline{1610} \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{364\ 816}{336\ 592} \right)^{.85} = (1610)(1.0839)^{.85} = (1610)(1.0708)$$

$$A_{of} = \underline{1724} \text{ MCF/D}$$

NOTE: Well produced light fog of water through-out test.

OIL CON. COM.
DIST. 3

TESTED BY T. D. Norton

WITNESSED BY _____

J. A. Jones
J. A. Jones
Well Test Engineer