

For Company Distribution Only
EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 26, 1973

Operator Lively Exploration Company		Lease Lively No. 15	
Location Unit H, Section 32, T30N, R8W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4 1/2	Set At: Feet 7383	Tubing: Diameter 1 1/4	Set At: Feet 7333
Pay Zone: From 7164	To 7372	Total Depth: 7375	Shut In 5-19-73
Stimulation Method		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2346	+ 12 = PSIA 2358	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 2017
Flowing Pressure: P PSIG 146	+ 12 = PSIA 158	Working Pressure: Pw PSIG 1428	+ 12 = PSIA 1440
Temperature: T = 58 °F	F _t = 1.0019	F _{pv} (From Tables) 1.015	Gravity .650 F _g = .9608

$$\text{WKE VOLUME} = Q = C \times P_i \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365) (158) (1.0019) (.9608) (1.015) = \underline{1909} \text{ MCF/D}$$

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

NOTE: Well produced dry gas.

$$A_{of} = \left(\frac{5560164}{3486564} \right)^n = 1909(1.5947)^{.75} = 1909(1.4190)$$

$$A_{of} = \underline{2709} \text{ MCF/D}$$

TESTED BY Dugan Production Co.

WITNESSED BY _____

William D. Welch
William D. Welch, Well Test Engineer