FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

CORRECTED COPY

DATE August 3, 1966

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit No. 148	
Location: 800'N, 800'W, Sec. 1, T-25-N, R-10-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6739	Tubing: Diameter: 2.375	Set At: Feet: 6678
Pay Zone: From: 6668	To: 6713	Total Depth: 6739	Shut In: 7-27-66
Stimulation Method: Sand Water Frac.		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 1897	+ 12 = PSIA: 1909	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 1903		+ 12 = PSIA: 1915
Flowing Pressure: P PSIG: 88	+ 12 = PSIA: 100		Working Pressure: P_w PSIG: 503		+ 12 = PSIA: 515
Temperature: T= 81 °F	Ft= .9804	n = .750	Fpv (From Tables): 1.008		Gravity: .670 Fg = .9463

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

$Q = (12.365)(100)(.9804)(.9463)(1.008) =$ 1156 MCF/D

OPEN FLOW = $Aof = Q \left(\frac{P_c^2}{P_c^2 \quad P_w^2} \right)^n$

$Aof = \left(\frac{3,667,225}{3,402,000} \right)^n = (1.0779)(1156)^{.75} = (1.0578)(1156)$

Aof = 1223 MCF/D

RECEIVED
SEP1 1966
OIL CON. COM.
DIST. 3

TESTED BY Don Norton

CHECKED ~~WITNESSED~~ BY Hermon E. McAnally

Tom B. Grant