

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **March 28, 1963**

Operator La Plata Gathering System, Inc.		Lease San Juan 32-5 Unit No. 1X19 (DK)	
Location 1600'S, 734'E, Sec. 19-32-5		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 5-1/2"	Set At: Feet 8036	Tubing: Diameter 2-3/8"	Set At: Feet 7780
Pay Zone: From 7794	To 7874	Total Depth: 8040	Shut In 1-1-63
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 (MV) Not Taken	12 = PSIA	Days Shut-In 86	Shut-In Pressure, Tubing PSIG (DK) 2347
Flowing Pressure: P PSIG Surging 0-5 psig	12 = PSIA		Working Pressure: Pw PSIG 2359
Temperature 58			Fpv (From Tables) .600 Fg =
	.85		

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

Q

102 MCF/D

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

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

A_{of}

MCF/D

NOTE: Flow rate determined from Thornhill-Craver Co. Dwg. No. 700D1 for Non-critical flow through a positive flow bean. Surging flow, avg. taken as 102 MCF/D. Well blew fairly dry gas for two hours. At end of three hour test, the flow was surging and producing heads of water, such that accurate volume measurements were impossible.

J. B. Goodwin

Al Johnson



Lewis D. Galloway
Lewis D. Galloway