

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

DATE December 6, 1963

Operator El Paso Natural Gas Company		Lease Huerfano No. 139	
Location 1650'S, 1650'E, Sec. 32-26-9		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6746	Tubing: Diameter 2.375	Set At: Feet 6634
Pay Zone: From 6498	To 6661	Total Depth: 6750	Shut In 11-29-63
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750		Choke Constant: C 12.365		CORRECTED COPY	
Shut-In Pressure, Casing, PSIG 1932	PSIA 1944	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1439		
Flowing Pressure: P, PSIG 79	PSIA 91	Working Pressure: P _w , PSIG 335	PSIA 347	Gravity .720	
Temperature: T 71 F	F _t .9896	F _{pv} (From Tables) 1.010	F _g .9129		

CHOKE VOLUME = Q C x P_i x F_t x F_g x F_{pv}

Q (12.365)(91)(.9896)(.9129)(1.010)

1027

MCF/D

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

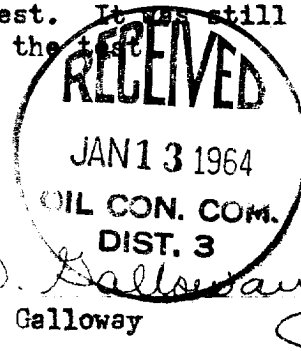
$$A_{of} = \left(\frac{3779136}{3658727} \right)^n$$

$$(1.0329)^{.75} (1027) = (1.0245)(1027)$$

NOTE: 7 min. after well was turned on it unloaded a big slug of water with gas & oil following. The well continued to blow a heavy spray of water & hydrocarbons throughout the remainder of the test. It was still blowing sand at the end of the test.

A_{of} 1052 MCF/D

TESTED BY: **Dannie R. Roberts**
Checked: **Tom B. Grant**



Lewis D. Galloway