

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **December 13, 1963**

Operator J. Glenn Turner		Lease Nye No. 4-1	
Location 1750'S, 1755'E, Sec. 4-29-10		County San Juan	State New Mexico
Formation Bakota		Basin	
Casing: Diameter 4.500	Set At: Feet 6930	Tubing: Diameter 2.375	Set At: Feet 6739
Pay Zone: From 6738	To 6876	Total Depth PBTD 6900	Shut In 12-1-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2156	12 PSIA	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 2133
Flowing Pressure: P, PSIG 143	12 PSIA	Working Pressure: Pw, PSIG 777	12 PSIA
Temperature 95	.9680	Flow (From Tables) 1.014	Gravity .700
	.75		Fg .9258

CHOKED VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = (12.365)(155)(.9680)(.9258)(1.014)$$

1742

MCF/D

$$Q_{act} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$$

$$Q_{act} = \left(\frac{4,700,224}{4,077,703} \right)^n$$

$$(1.1526)^{.75}(1742) = (1.1122)(1742)$$

NOTE: Began unloading water in 2 minutes.
Surged water and gas for entire test.
Very Wet.

Act

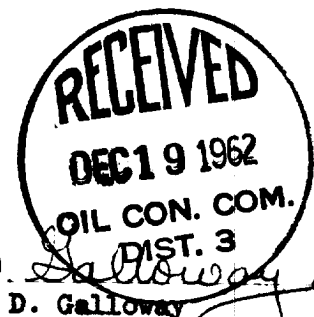
1937

MCF/D

Prepared by **T. B. Grant(EPNG)**

Witnessed by **Al Johnson (J. G. Turner)**

Checked by **W. D. Dawson**



Lewis D. Galloway
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