

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE January 16, 1963

Operator El Paso Natural Gas Company		Lease Lackey No. 15-B (OWO)	
Location 330'N, 1715'E, Sec. 29-28-9		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing Diameter 4.500	Set At Feet 6737	Tubing Diameter 2.375	Set At Feet 6562
Pay Zone From 6504	To 6594	Total Depth PBTD 6600	Shut In 12-31-62
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 1964	PSIG - 12 - PSIA 1976	Days shut-in 16	Shut-In Pressure, Tubing 1964
Flowing Pressure: P 104	PSIG - 12 - PSIA 116		Working Pressure: Pw 457
Temperature: T 64 F	F .9962		Flow From Tubing 1.011
			Gravity .670
			Fg .9463

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

$$Q = (12.365)(116)(.9962)(.9463)(1.011)$$

1367

MCF/D

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

$$Q_{of} = \left(\frac{3,904,576}{3,684,615} \right)^n$$

$$(1.0596)^{.75}(1367) = (1.0444)(1367)$$

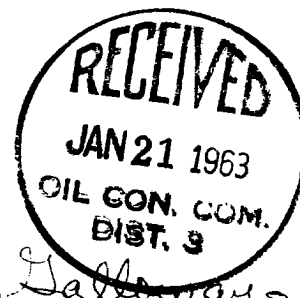
NOTE: Blew fair mist of water & distillate.

Q_{of} 1428

MCF/D

Checked by **D. E. Mortensen**

~~xxxxxxxx~~ **W. D. Dawson**



Lewis D. Galloway
Lewis D. Galloway