

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 27, 1966

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Moore No. 2 (OWO)</u>	
Location <u>Section 36, T-14N, R-10E</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Alamo</u>		Pool <u>Blanco</u>	
Casing: Diameter <u>2.375</u>	Set At: Feet <u>5357</u>	Tubing: Diameter <u>2.375</u>	Set At: Feet <u>5357</u>
Pay Zone: From <u>5430</u>	To <u>5430</u>	Total Depth: <u>5430</u>	Shut In <u>6-19-66</u>
Stimulation Method <u>None</u>		Flow Through Casing	Flow Through Tubing <u>X</u>

Choke Size, inches <u>1.028</u>	Choke Constant: C <u>1178</u>		
Shut-in Pressure, Casing, PSIG <u>781</u>	+ 12 = PSIA <u>793</u>	Days Shut-in <u>1</u>	Shut-in Pressure, Tubing PSIG <u>781</u>
Flowing Pressure: P PSIG <u>658</u>	+ 12 = PSIA <u>670</u>		Working Pressure: Pw PSIG <u>658</u>
Temperature: T = <u>110</u> °F	n = <u>0.75</u>		Fpv (From Tables) <u>1.028</u>
			Gravity <u>.700</u> Fg = <u>.9258</u>

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

$$Q = (38.365) (304) (.977) (1.028) = 3478 \text{ MCF/D}$$

$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^{.5}$$

$$Aof = \left(\frac{3478}{1.028} \right)^{.5} = 3478 (3.8705)^{.75} = 3478 (2.7595)$$

$$Aof = 9658 \text{ MCF/D}$$



NOTE: Light gray distillate mist throughout test. Apparently very little water in mist.

TESTED BY Tom B. GrantWITNESSED BY Tom B. Grant

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