

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE June 28, 1961

Operator El Paso Natural Gas Company	Lease San Juan 30-5 No. 34
Location 990N, 990E, 27-30N-5W	County Rio Arriba State New Mexico
Formation Mesaverde	Pool Blanco
Casing: Diameter 2-7/8" O.D. Set At: Feet 6071	Tubing: Diameter No Tbg. Set At: Feet -
Pay Zone: From 5804 To 5954	Total Depth 6071 c/o 6065 Shut In 6/3/61
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing -

Choke Size, in. .75	Choke Constant 12.365	"Tubingless Completion"	
Shut-In Pressure, PSIG 1231	PSIG - 12 PSIA 1243	Loss Shut-In 25	Shut-In Pressure Tubing -
Flowing Pressure, PSIG 145	PSIG - 12 PSIA 157	Working Pressure, PSIG Calc.	PSIG - 12 PSIA 226
Temperature 66	Gravity .9943	Epv (From Table) 1.011	Gravity Est. .578⁹ 1.021

CHOKE VOLUME $Q = C \times P_r \times F_p \times F_g \times F_v$

$$Q = 12.365 \times 157 \times .9943 \times 1.021 \times 1.011 = 1992 \text{ MCF/D}$$

$$\text{OPEN FLOW AOF } Q = \left(\frac{P_c^2}{P_c^2 - P_a^2} \right)^n$$

$$\text{Aof} = \left(\frac{1545049}{1493973} \right)^n = 1.0341^{.75} \times 1992 = 1.0254 \times 1992$$

$$\text{Aof} = 2043 \text{ MCF/D}$$

Checked By D. R. Roberts

Witnessed By

Checked By W. D. Dawson

Lewis D. Galloway
L. D. Galloway