

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE September 27, 1965

Operator El Paso Natural Gas Company		Lease Riddle D No. 3 (OWO)	
Location 1750'S, 890'W. Sec.22, T-31-N, R-9-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5464	Tubing: Diameter 2.375	Set At: Feet 5421
Pay Zone: From 4914	To 5474	Total Depth: 5474	Shut In 9-20-65
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke: Stress Meter 2-1/2" Plate 4" M.R.		Choke: Constant Meter 33.293 Constant		Tested through 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 683	+ 12 = PSIA 695	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 630	+ 12 = PSIA 642	
Flowing Pressure: P Meter-60; W.H.- 170 PSIG	+ 12 = PSIA Meter-72; W.H.- 182		Working Pressure: P _w 679 PSIG	+ 12 = PSIA 691	
Temperature: T = 92 °F	n = .75		Fpv (From Tables) 1.009	Gravity .700	Fg = 1.1952

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

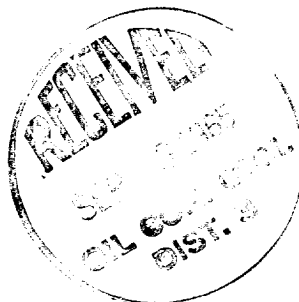
$$Q = \text{Calculated from orifice meter reading} = \underline{1166} \text{ MCF/D}$$

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

NOTE: Well produced some oil throughout test.

$$Aof = \left(\frac{\quad}{\quad} \right)^n =$$

$$Aof = \underline{\text{Not Calculated}} \text{ MCF/D}$$

TESTED BY W. D. DawsonWITNESSED BY R. F. Headrick

Lewis D. Galloway
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