

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 7, 1963

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Lindrith Unit No. 50</u>	
Location <u>790'N, 1850'W, Sec. 22, T-24-N, R-3-W</u>		County <u>Rio Arriba</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliffs</u>		Pool <u>South Blanco</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>3245</u>	Tubing: Diameter <u>No Tubing</u>	Set At: Feet <u>----</u>
Pay Zone: From <u>3140</u>	To <u>3184</u>	Total Depth: <u>3259</u>	Shut In <u>9-30-63</u>
Stimulation Method <u>Sand/Water Frac.</u>		Flow Through Casing <u>X</u>	Flow Through Tubing

Choke Size, Inches <u>0.750</u>		Choke Constant: C <u>12.365</u>		TUBINGLESS COMPLETION	
Shut-In Pressure, Casing, PSIG <u>956</u>	+ 12 = PSIA <u>968</u>	Days Shut-In <u>7</u>	Shut-In Pressure, Tubing PSIG <u>No Tubing</u>	+ 12 = PSIA <u>----</u>	
Flowing Pressure: P PSIG <u>244</u>	+ 12 = PSIA <u>256</u>		Working Pressure: Pw Calc. <u>332</u>	+ 12 = PSIA <u>332</u>	
Temperature: T = <u>62</u> °F	Ft = <u>.9981</u>	n = <u>.85</u>	Fpv (From Tables) <u>1.029</u>	Gravity <u>.690</u>	Fg = <u>.9325</u>

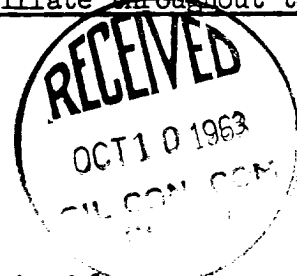
$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(256)(.9981)(.9325)(1.029) = \underline{3160} \text{ MCF/D}$$

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

$$Aof = \left(\frac{937,024}{826,800} \right)^n = (1.1333)^{.85}(3160) = (1.1123)(3160)$$

$$Aof = \underline{3515} \text{ MCF/D}$$

NOTE: Light Spray of water and distillate throughout test.TESTED BY Dannie RobertsCalculated by Tom B. Grant

Lewis D. Galloway
Lewis D. Galloway