

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 9, 1965

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Lindrieth Unit No. 55</u>	
Location <u>600'S, 1650'W, Section 32, T-24-N, R-2-W</u>		County <u>Rio Arriba</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliffs</u>		Pool <u>North Blanco</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>3199</u>	Tubing: Diameter <u>1.315</u>	Set At: Feet <u>3199</u>
Pay Zone: From <u>3095</u>	To <u>3121</u>	Total Depth: <u>3199</u>	Shut-In <u>7-2-65</u>
Stimulation Method <u>Sand Water Frac</u>		Flow Through Casing <u>11</u>	Flow Through Tubing <u>11</u>

Choke Size, Inches <u>.750</u>	Choke Constant: C <u>12.365</u>	Completion <u>Flowless Completion</u>	
Shut-In Pressure, Casing, PSIG <u>952</u>	+ 12 = PSIA <u>964</u>	Days Shut-In <u>7</u>	Shut-In Pressure, Tubing PSIG <u>No Tubing</u>
Flowing Pressure: P <u>345</u>	+ 12 = PSIA <u>357</u>	Working Pressure: P _w Calc. <u>357</u>	+ 12 = PSIA <u>369</u>
Temperature: T = <u>64</u> °F	n = <u>.85</u>	F _{pv} (From Tables) <u>1.040</u>	Gravity <u>.680</u> F _g = <u>.9393</u>

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

$$Q = (12.365) (357) (.9962) (.9393) (1.040) = \underline{4296} \text{ MCF/D}$$

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

$$Aof = \left(\frac{929,296}{721,360} \right)^n = (4296) (1.2832)^{.85} = (4296) (1.2402)$$

$$Aof = \underline{523} \text{ MCF/D}$$

NOTE: Well produced a very light fog of water and distillate throughout the test.

TESTED BY C. R. Wagner
CALCULATED BY H. E. McAnally
WITNESSED BY _____

RECEIVED
JUL 14 1965
OIL CON. COM.
DIST. 3
Lewis D. Galloway
Lewis D. Galloway