

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 8-10-66

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Washington 170</u>	
Location <u>1750'N, 1650'W, Sec. 32, T-31-N, R-11-W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Albany 22122</u>		Pool <u>Artoc</u>	
Casing: Diameter <u>2.575</u>	Set At: Feet <u>2567</u>	Tubing: Diameter <u>No Tubing</u>	Set At: Feet <u>-----</u>
Pay Zone: From <u>2270</u>	To <u>2506</u>	Total Depth: <u>2383</u>	Shut In <u>8-10-66</u>
Stimulation Method <u>Sand Water Frac</u>		Flow Through Casing <u>N</u>	Flow Through Tubing <u>-----</u>

Choke Size, Inches <u>.750</u>		Choke Constant: C <u>12.365</u>	
Shut-In Pressure, Casing, PSIG <u>600</u>	+ 12 = PSIA <u>612</u>	Days Shut-In <u>7</u>	Shut-In Pressure, Tubing, PSIG <u>600</u>
Flowing Pressure: P <u>255</u>	+ 12 = PSIA <u>267</u>	Working Pressure: Pw <u>205</u>	+ 12 = PSIA <u>217</u>
Temperature: T = <u>66</u> °F	n = <u>.85</u>	Fpv (From Tables) <u>1.015</u>	Gravity <u>.650</u> Fg = <u>.9608</u>

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

$$Q = (12.365)(170)(.9943)(.9608)(1.015) = \underline{2,038} \text{ MCF/D}$$

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

$$Aof = \left(\frac{271,511}{332,519} \right)^n = (2,038)(1.1263)^{.85} = (2,038)(1.1063)$$

$$Aof = \underline{2255} \text{ MCF/D}$$

NOTE: Well Produced a heavy
spray of water throughout
the test

TESTED BY A. E. TolbertWITNESSED BY O. E. Warner

E. L. Kendrick
E. L. Kendrick

