

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 12, 1973

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Canyon Largo Unit #222</u>	
Location <u>1100/S, 1500/E, Sec. 3, T24N, R7W</u>		County <u>Rio Arriba</u>	State <u>New Mexico</u>
Formation <u>Pictured Cliffs</u>		Pool <u>Ballard</u>	
Casing: Diameter <u>2.875</u>	Set At: Feet <u>2576'</u>	Tubing: Diameter <u>No Tubing</u>	Set At: Feet
Pay Zone: From <u>2466</u>	To <u>2518'</u>	Total Depth: <u>2576</u>	Shut In <u>10-1-73</u>
Stimulation Method <u>Sandwater Frac</u>		Flow Through Casing <u>X</u>	Flow Through Tubing

Choke Size, Inches <u>.750</u>		Choke Constant: C <u>12.365</u>		Tubingless Completion	
Shut-In Pressure, Casing, PSIG <u>297</u>	+ 12 = PSIA <u>309</u>	Days Shut-In <u>//</u>	Shut-In Pressure, Tubing PSIG <u>No Tubing</u>	+ 12 = PSIA	
Flowing Pressure: P PSIG <u>81</u>	+ 12 = PSIA <u>93</u>		Working Pressure: P _w PSIG <u>Calculated</u>	+ 12 = PSIA <u>114</u>	
Temperature: T = <u>56 °F</u>	n = <u>.85</u>		F _{pv} (From Tables) <u>1.011</u>	Gravity <u>.700</u>	F _g = <u>.9258</u>

CHOKE VOLUME = Q = C x P_f x F_t x F_g x F_{pv}

Q = (12.365) (93) (1.004) (.9258) (1.011) = 1081 MCF/D

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

Aof = Q $\left(\frac{95481}{82485} \right)^n = 1081 (1.1576)^{.85} = 1081 (1.1324)$

Aof = 1224 MCF/D

Note: Well produced a light fog of water and distillate.

TESTED BY Norton

WITNESSED BY _____



William D. Welch
William D. Welch
Well Test Engineer