

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE October 23, 1973

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Canyon Largo Unit #212</u>	
Location <u>1675/S, 1150/W, Sec. 6, T-24N, R6 W</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>2327'</u>	Tubing: Diameter <u>No Tubing</u>	Set At: Feet
Pay Zone: From <u>2200</u>	To <u>2224'</u>	Total Depth: <u>2330</u>	Shut In <u>10-16-73</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>644</u>	+ 12 = PSIA <u>656</u>	Days Shut-In <u>7</u>	Shut-In Pressure, Tubing PSIG <u>No Tubing</u>	+ 12 = PSIA	
Flowing Pressure: P PSIG <u>76</u>	+ 12 = PSIA <u>88</u>		Working Pressure: P <sub>w</sub> PSIG <u>Calculated</u>	+ 12 = PSIA <u>106</u>	
Temperature: T = <u>61</u> °F	n = <u>.85</u>		F <sub>pv</sub> (From Tables) <u>1.011</u>	Gravity <u>.700</u>	F <sub>g</sub> = <u>.9258</u>

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

$$Q = (12.365)(88)(.9990)(.9258)(1.011) = \underline{\quad 1017 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{430336}{419100} \right)^n = 1017 (1.0268)^{.85} = 1017 (1.0227)$$

$$Aof = \underline{\quad 1041 \quad} \text{ MCF/D}$$

Note: Well produced a very light fog of water.

TESTED BY B. J.B.

WITNESSED BY \_\_\_\_\_



William D. Welch  
William D. Welch  
Well Test Engineer