

EL PASO NATURAL GAS COMPANY.  
OPEN FLOW TEST DATA

CORRECTED COPY

DATE January 30, 1974

Operator El Paso Natural Gas Company		Lease Rincon Unit #134	
Location <u>1100/N, 1840/E, Sec. 12, T26N, R7W</u>		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7378'	Tubing: Diameter 2.375	Set At: Feet 7256'
Pay Zone: From 7038	To 7277	Total Depth: PBT 7378 7360	Shut In 12-21-73
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Meter Choke Size, Inches 4" MR	Orifice 2.50	Choke Constant: C 32.64	Well tested thru 3/4" Variable choke		
Shut-In Pressure, Casing, 2390	PSIG	+ 12 = PSIA 2402	Days Shut-In 9	Shut-In Pressure, Tubing 2390	PSIG + 12 = PSIA 2402
Flowing Pressure: P 566	PSIG	+ 12 = PSIA 578		Working Pressure: P <sub>w</sub> 982	PSIG + 12 = PSIA 994
Temperature: T = 60°F	Ft = 1.000	n = .75		F <sub>pv</sub> (From Tables) 1.062	Gravity .650 F <sub>g</sub> = .9608

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

$$Q = \text{Calculated from meter readings} = \underline{\hspace{2cm}} 2330 \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{5769604}{4781568} \right)^n = 2330 (1.2066)^{.75} = 2330(1.1513)$$

$$Aof = \underline{\hspace{2cm}} 2682 \text{ MCF/D}$$

Note: Well produced 26.25 bbls. of  
52.206 gravity oil.

TESTED BY Rhames & Norton

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

Loren W. Fothergill  
Loren W. Fothergill  
Well Test Engineer

