

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 6, 1974

Operator El Paso Natural Gas Company		Lease Huerfano Unit #259	
Location 1180/N, 1500/W, Sec. 6, T26N, R10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6802'	Tubing: Diameter 2.375	Set At: Feet 6754'
Pay Zone: From 6626	To 6776	Total Depth: PBDT 6815 6795	Shut In 5-30-74
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Meter Choke Size, Inches 4" MR		Orifice Orifice Constant: C 2.750 41.10		Well tested thru 3/4" variable choke	
Shut-In Pressure, Casing, 1284	PSIG	+ 12 = PSIA 1296	Days Shut-In 7	Shut-In Pressure, Tubing 631	PSIG + 12 = PSIA 643
Flowing Pressure: P 60	PSIG	+ 12 = PSIA 72		Working Pressure: P _w 423	PSIG + 12 = PSIA 435
Temperature: T = 84 °F		n = .75		F _{pv} (From Tables) 1.0100	Gravity .720 F _g = .9129

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

$$Q = \text{Calculated from meter readings} = \underline{\quad 408 \quad} \text{ MCF/D}$$

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

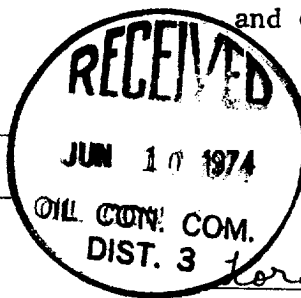
$$Aof = Q \left(\frac{1679616}{1490391} \right)^n = 408(1.1270)^{.75} = 408(1.0938)$$

$$Aof = \underline{\quad 446 \quad} \text{ MCF/D}$$

Note: The well produced 2 BBl of water and 63 BBl of 43.6 gravity oil.

TESTED BY Fothergill & Rhames

WITNESSED BY



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