

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE July 9, 1974

Operator El Paso Natural Gas Company		Lease Huerfano Unit #260	
Location 1700/N, 1725/W, Sec. 19, T26N, R10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6478'	Tubing: Diameter 2.375	Set At: Feet 6399'
Pay Zone: From 6264	To 6413	Total Depth: PBD 6478' 6465'	Shut In 5-14-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Meter 4" MR	Orifice 2.750	Orifice 41.10	Well tested thru a 3/4" variable choke.	
Shut-In Pressure, Casing, 1550	PSIG	+ 12 = PSIA 1562	Days Shut-In 25	Shut-In Pressure, Tubing 972
Flowing Pressure: P 68	PSIG	+ 12 = PSIA 80		Working Pressure: P <sub>w</sub> 335
Temperature: T = 72 °F	F <sub>t</sub> = .9887	n = .75		F <sub>pv</sub> (From Tables) 1.0100
				Gravity .710 F <sub>g</sub> = 1.187

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

$$Q = \text{Calculated from orifice readings.} = \underline{\quad 507 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{2439844}{2319435} \right)^n = 507(1.0519)^{.75} = 507(1.0387)$$

$$Aof = \underline{\quad 526 \quad} \text{ MCF/D}$$

Note: The well produced 16.04 Bbls of water and 15.51 bbls of 44.0 gravity oil.

TESTED BY Wagner & Norton

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

Loren W. Fothergill (al)  
Well Test Engineer