

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 21, 1974

Operator El Paso Natural Gas Company		Lease Huerfano Unit #73	
Location 800/N, 800/W, Sec. 1, T26N, R11W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6697'	Tubing: Diameter 2.375	Set At: Feet 6553'
Pay Zone: From 6408	To 6554	Total Depth: PBDT 6697' 6681	Shut In 6-13-74
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Meter Choke Size, Inches 4" MR	Orifice 2.500	Orifice Choke Constant: C 32.64	Well tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1947	+ 12 = PSIA 1959	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 1650	+ 12 = PSIA 1662
Flowing Pressure: P PSIG 206	+ 12 = PSIA 218		Working Pressure: P _w PSIG 521	+ 12 = PSIA 533
Temperature: T = 73 °F	n = F _t = .9877		F _{pv} (From Tables) 1.0240	Gravity .710 F _g = .9193

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

Q = Calculated from meter readings

= 1523 MCF/D

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

$$Aof = Q \left(\frac{3837681}{3553592} \right)^n = 1523 (1.0799)^{.75} = 1523 (1.059)$$

Aof = 1614 MCF/D



Note: The well produced 10.44 BBls of 45.3 gravity oil and 3 bbls of water.

TESTED BY C. R. Wagner

WITNESSED BY

Loren W. Fothergill
Loren W. Fothergill
Well Test Engineer