

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 5-23-74

Operator El Paso Natural Gas Company		Lease Huerfano Unit #264	
Location 1650/N, 800/E, Sec. 12, T26N, R11W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6736'	Tubing: Diameter 2.375	Set At: Feet 6618'
Pay Zone: From 6494'	To 6628'	Total Depth: PBT 6736' 6720'	Shut In 5-8-74
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XXX

Meter Choke Size, Inches 4" MR	Orifice 2.750	Orifice Choke Constant: C 41.10	Well tested thru a 3/4" variable choke		
Shut-In Pressure, Casing, 1629	PSIG	+ 12 = PSIA 1641	Days Shut-In 15	Shut-In Pressure, Tubing 1237	PSIG + 12 = PSIA 1249
Flowing Pressure: P 210	PSIG	+ 12 = PSIA 222		Working Pressure: P _w 603	PSIG + 12 = PSIA 615
Temperature: T = 89 °F	F _t = .9732	n = .75		F _p (From Tables) 1.0230	Gravity .720 F _g = .9129

CHOKE VOLUME = Q = C x P_f x F_t x F_g x F_p

Q = Calculated from meter readings = 1517 MCF/D

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

Aof = Q $\left(\frac{2692881}{2314656} \right)^n = 1517(1.1634)^{.75} = 1517(1.1202)$

Aof = 1699 MCF/D



Note: The well produced 33.6 BB1 of water and 18.9 of 45.6 gravity oil.

TESTED BY Hardie

WITNESSED BY _____

Loren W Fothergill
Loren W. Fothergill
Well Test Engineer