

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 3, 1973

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 241	
Location 1090'N, 1800'W, Section 13, T26N, R10W		County San Juan	State New Mexico
Formation Gallup Ext.		Pool Angel Peak	
Casing: Diameter 4-1/2	Set At: Feet 6072	Tubing: Diameter 2-3/8	Set At: Feet 5992
Pay Zone: From 5628	To 6012	Total Depth: 6072	Shut In 5-31-73
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing X

Meter Size, Inches 4" MR		Orifice 2.500		Meter Constant: C 32.64		Well Tested through 48/64 Choke	
Shut-In Pressure, Casing, PSIG 735		+ 12 = PSIA 747		Days Shut-In 33		Shut-In Pressure, Tubing PSIG 720	
Flowing Pressure: P WH 163		PSIG MR 61		+ 12 = PSIA WH 175		MR 73	
Temperature: T = 81 °F		Ft = .9804		n = .75		Fpv (From Tables) 1.010	
						Gravity .720 Fg = .9129	

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = \text{Calculated from meter readings} = \underline{\quad 999 \quad} \text{ MCF/D}$$

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

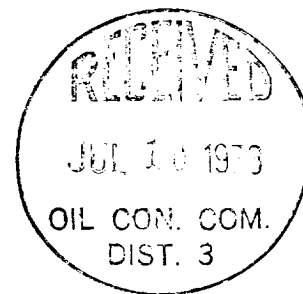
NOTE: Well produced 26.29 bbl. of muddy water.

$$Aof = Q \left(\frac{558009}{344565} \right)^n = 999 (1.6195)^{.75} = 999 (1.4356)$$

$$Aof = \underline{\quad 1434 \quad} \text{ MCF/D}$$

TESTED BY T. D. Norton

WITNESSED BY _____



William D. Welch
William D. Welch, Well Test Engineer