

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 15, 1973

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 234	
Location 1180'S, 1750'E, Section 7, T26N, R9W		County San Juan	State New Mexico
Formation Gallup		Pool Angel Peak	
Casing: Diameter 4-1/2	Set At: Feet 6113	Tubing: Diameter 2-3/8	Set At: Feet 6043
Pay Zone: From 5694	To 6062	Total Depth: 6113	Shut In 5-1-73
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

Meter Choke Size, Inches 4" MR		Orifice 1"		Meter Choke Constant: C 4.753		Well tested through 48/64 choke	
Shut-In Pressure, Casing, 917		PSIG	+ 12 = PSIA 929	Days Shut-In 46	Shut-In Pressure, Tubing 495		PSIG + 12 = PSIA 507
Flowing Pressure: P MR 12		PSIG	+ 12 = PSIA MR 24	WH 65	Working Pressure: Pw 319		PSIG + 12 = PSIA 331
Temperature: T = 74 °F		Ft = .9868	n = .75	Fpv (From Tables) 1.004		Gravity .720 Fg = .9129	

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

$$Q = \text{Calculated from orifice meter readings} = 224 \text{ MCF/D}$$

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

NOTE: Well produced 32 bbl. of 36.9 gravity oil.

$$Aof = Q \left(\frac{863041}{753480} \right)^n = (224)(1.1454)^{.75} = (224)(1.1072)$$

$$Aof = 348 \text{ MCF/D}$$

TESTED BY Bobby Broughton

WITNESSED BY



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