

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

Corrected copy.

DATE September 17, 1969

Operator El Paso Natural Gas Company		Lease Hutchin No. 1 (OWMO)	
Location 1700' N, 1650' E, Sec. 7, T-31-N, R-10-W		County San Juan	State New Mexico
Formation MV		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5128	Tubing: Diameter 2.375	Set At: Feet 5078
Pay Zone: From 4334	To 5092	Total Depth: 5137	Shut In 9-10-69
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 4" M. R. ; 2.750" pl. b.		Choke Constant: C 41.9208		Well tested thru a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 857	+ 12 = PSIA 869	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 857	+ 12 = PSIA 869	
Flowing Pressure: P PSIG 134 met.; 347 W. H.	+ 12 = PSIA 146 Met.; 359 W. H.		Working Pressure: P <sub>w</sub> PSIG 775	+ 12 = PSIA 787	
Temperature: T = 67 °F	Ft = .9933	n = .75	Fpv (From Tables) 1.014	Gravity .675	Fg = 1.2172

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

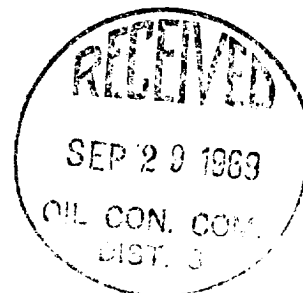
$$Q = \text{Calculated from orifice meter readings} = 4334 \text{ MCF/D}$$

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

Note: The well produced 3.73 bbls. of 58.6 API Gravity oil during the test.

$$Aof = \left( \frac{755161}{135792} \right)^n = (4334)(5.5611)^{.75} = (4334)(3.6214)$$

$$Aof = 15,695 \text{ MCF/D}$$



CRITICAL LEASE  
RE-CONNECT IMMEDIATELY

TESTED BY J. B. Goodwin and C. R. Wagner

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