

# EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE February 15, 1972

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 222	
Location 1650 S-890E Sec. 8-26 N- 10 W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6840	Tubing: Diameter 2.375	Set At: Feet 6731
Pay Zone: From 6652	To 6768	Total Depth: 6840	Shut In 2-7-72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XXX

Plate Choke Size, Inches 4" MR 2.750		Meter Choke Constant: C 41.10		Well Tested Thru 3/4 " Variable Choke	
Shut-In Pressure, Casing, PSIG 1917	+ 12 = PSIA 1929	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 1317	+ 12 = PSIA 1329	
Flowing Pressure: P MR 267 WH 685 PSIG	+ 12 = PSIA MR 279 WH 697		Working Pressure: P <sub>w</sub> 1517 PSIG	+ 12 = PSIA 1529	
Temperature: T = 74 °F Ft = .9868	n = .75		Fpv (From Tables) 1.031	Gravity .710	Fg = 1.187

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

$$Q = \text{Calculated from orifice meter readings} = 7752 \text{ MCF/D}$$

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

Note: The well produced 52 bbls. of 39° gravity oil during the test.

$$Aof = \left( \frac{3721041}{1383200} \right)^n = (7752)(2.6902)^{.75} = (2.1057)(7752)$$

$$Aof = 16,323 \text{ MCF/D}$$

TESTED BY S. Sack

WITNESSED BY

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