

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE March 21, 1972

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 225	
Location 1650 S - 990 E Sec. 30-26N-10W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6545	Tubing: Diameter 2.375	Set At: Feet 6508
Pay Zone: From 6348	To 6526	Total Depth: 6545	Shut In 3-14-72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches 4" M.R. Plate 2.750		Choke Constant: C 41.10		Well Tested Through 3/4" Variable Choke	
Shut-In Pressure, Casing, PSIG 1805	+ 12 = PSIA 1817	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 1333	+ 12 = PSIA 1345	
Flowing Pressure: P MR 206 w/h 603 PSIG	+ 12 = PSIA MR 218 W/H 615		Working Pressure: P <sub>w</sub> 1280 PSIG	+ 12 = PSIA 1292	
Temperature: T = 75 °F	Ft = .9859	n = .75	Fpv (From Tables) 1.023	Gravity .710	Fg = 1.187

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

$$Q = \text{Calculated from orifice meter readings} = \underline{6612} \text{ MCF/D}$$

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

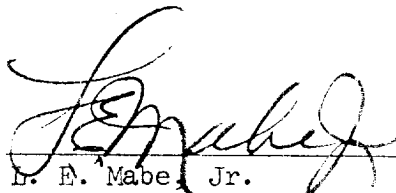
NOTE: Well produced 55 Bbls. of 48 Gravity Oil  
1 Bbl. Water in three hours

$$Aof = \left( \frac{3301489}{1632225} \right)^n = 6612 \times (2.0227)^{.75} = 6612 \times 1.6961 =$$

$$Aof = \underline{11,214} \text{ MCF/D}$$

TESTED BY Goodwin & Norton

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

  
 L. E. Mabe, Jr.