

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 8, 1971

Operator El Paso Natural Gas Company		Lease Atlantic No. 6 (OWWO)	
Location 1650'/S, 990'/W, Sec 22, T31N, R10W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5621	Tubing: Diameter 2.375	Set At: Feet 5578
Pay Zone: From 4760	To 5578	Total Depth: 5621	Shut In 9-24-71
Stimulation Method S W F		Flow Through Casing	Flow Through Tubing XX

Meter Choke Size, Inches 4" MR 2.750-Plate		Meter Choke Constant: C 41.9208		Well tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 722	+ 12 = PSIA 734	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 456	+ 12 = PSIA 468	
Flowing Pressure: P MR-65 WH-285 PSIG	+ 12 = PSIA MR-77 WH-297		Working Pressure: P _w 628 PSIG	+ 12 = PSIA 640	
Temperature: T = 76 °F	Ft = .9850	n = 0.75	Fpv (From Tables) 1.008	Gravity 0.68	F _g = 1.2127

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

$$Q = \text{Calculated from orifice meter readings} = \underline{2384} \text{ MCF/D}$$

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

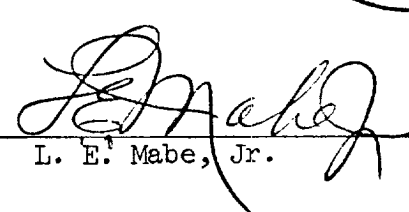
NOTE: Well made 20 barrels of 32.6⁰ API oil.

$$Aof = \left(\frac{538756}{129156} \right)^n = 2384(4.1714)^{.75} = 2384(2.9188)$$

$$Aof = \underline{6958} \text{ MCF/D}$$

TESTED BY D. R. Roberts & R. R. Hardy

WITNESSED BY _____



 L. E. Mabe, Jr.