

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 8-13-71

Operator El Paso Natural Gas Company		Lease San Juan 30-6 Unit No. 53 (OWWO)	
Location 715' S, 715' W, S 29, T30N, R6W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6343	Tubing: Diameter 2.375	Set At: Feet 6262
Pay Zone: From 5646	To 6288	Total Depth: 6343	Shut In 8-6-71
Stimulation Method S W F		Flow Through Casing	Flow Through Tubing XXX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 812	+ 12 = PSIA 824	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 814	+ 12 = PSIA 826	
Flowing Pressure: P PSIG 161	+ 12 = PSIA 173		Working Pressure: P _w PSIG 568	+ 12 = PSIA 580	
Temperature: T = 64 °F F _t = .9962	n = .75		F _{pv} (From Tables) 1.015	Gravity .633 F _g = .9736	

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = 12.365 \times 173 \times .9962 \times .9736 \times 1.015 = \underline{2106} \text{ MCF/D}$$

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

Note: Well blew light spray of water and distillate throughout test.

$$Aof = \left(\frac{682276}{345876} \right)^n = 2106(1.9726)^{.75} = 2106(1.6644)$$

$$Aof = \underline{3505} \text{ MCF/D}$$

TESTED BY D. R. Roberts

WITNESSED BY _____

L. E. Mabe, Jr.
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