

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 30, 1973

Operator El Paso Natural Gas Company		Lease Atlantic B #3 (OWWO)	
Location 1650/S, 790/W, Sec. 4, T-30-N, R-10W		County San Juan	State New Mexico
Formation MV		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5637'	Tubing: Diameter 2 3/8	Set At: Feet 5583'
Pay Zone: From 4606	To 5596	Total Depth: 5637	Shut In 7-30-73
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing X

MR Choke Size, Inches 4"	Orifice 2.500	Choke Constant: C 32.64	Well tested thru 48/64 choke	
Shut-In Pressure, Casing, PSIG 812	+ 12 = PSIA 824	Days Shut-In 30	Shut-In Pressure, Tubing PSIG 581	+ 12 = PSIA 593
Flowing Pressure: P PSIG WH 271 MR 98	+ 12 = PSIA WH 283 MR 110		Working Pressure: P _w PSIG 702	+ 12 = PSIA 714
Temperature: T = 67 °F	F _t = .9933	n = .75	F _{pv} (From Tables) 1.009	Gravity .659 F_g = .9542

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

Q = Calculated from meter readings

= 2576 MCF/D

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

$$Aof = Q \left(\frac{678976}{169180} \right)^n = 2576 (4.0133)^{.75} = 2576 (2.8355) \text{ DIST. 3}$$

Aof = 7305 MCF/D

Note: Well produced 23 bbl. of
41.5 Gravity oil.

TESTED BY BJB

WITNESSED BY _____

William D. Welch
W. D. Welch

Well Test Engineer