

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

OCC

DATE 11/1/72

Operator El Paso Natural Gas Company		Lease Atlantic Com "B" #8 (OWWO)	
Location 990/S, 990/W, Sec. 23 T31N, R10W		County San Juan	State New Mexico
Formation Mesaverde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5800	Tubing: Diameter 2.375	Set At: Feet 5724
Pay Zone: From 4902	To 5735	Total Depth: 5800	Shut In 10/11/72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 4" Mr 2.750 plt	Choke Constant: C 41.10	Tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 705	+ 12 = PSIA 717	Days Shut-In 20	Shut-In Pressure, Tubing PSIG 440
Flowing Pressure: P Wh 212 Mr 72 PSIG	+ 12 = PSIA Wh 224 Mr 84	Working Pressure: P _w 647 PSIG	+ 12 = PSIA 659
Temperature: T = 79 °F	n = .75	F _{pv} (From Tables) 1.008	Gravity .674 F _g = .9435

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

$$Q = \text{Calculated from meter readings} = 2166 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{514089}{79808} \right)^n = (2166)(6.4416)^{.75} = 2166 (4.034)$$

$$Aof = 8759 \text{ MCF/D}$$

NOTE: Well produced 15.20 bbl of 34.9 gravity oil and 1.04 bbl of water in three hours.

TESTED BY RH and CRW

WITNESSED BY



William D. Welch
William D. Welch
Well Test Engineer