

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE January 9, 1980

Operator El Paso Natural Gas Company		Lease Case #6A (OWWO) (PC)	
Location SE 5-31-11		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5469	Tubing: Diameter 1 1/4	Set At: Feet 2875
Pay Zone: From 2852	To 2874	Total Depth: 5469	Shut In 12-13-79
Stimulation Method Sand Water Frac		Flow Through Casing XXXX	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 503	+ 12 = PSIA 515	Days Shut-In 27	Shut-In Pressure, Tubing PSIG 503	+ 12 = PSIA 515	
Flowing Pressure: P PSIG 67	+ 12 = PSIA 79		Working Pressure: P _w PSIG 113	+ 12 = PSIA 125	
Temperature: T = 54 °F	F _t = 1.006	n = .85	F _{pv} (From Tables) 1.009	Gravity .670	F _g = .9463

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

$$Q = (12.365) (79) (1.006) (9463) (1.009) = 938 \text{ MCF/D}$$

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

$$Aof = \left(\frac{265225}{249600} \right)^n = (1.0626)^{.85} (938) = (1.0530) (938)$$

NOTE: Well- Blew Dry Gas Throughout Test
and Vented 100 MCF To The Atmosphere.

$$Aof = 988 \text{ MCF/D}$$

TESTED BY C. Rhames

WITNESSED BY _____

C. R. Wagner
Well Test Engineer

