

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE November 30, 1965

Operator El Paso Natural Gas Company		Lease San Juan 30-6 Unit No. 92 (CMO)	
Location 990'N, 990'W, Sec. 28, T-30-N, R-7-W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 2.075	Set At: Feet 6121	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 5603	To 6088	Total Depth: 6121	Shut In 11-22-65
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing No Tubing

Choke Size, Inches .750		Choke Constant: C 12.365		Tubing Loss Coefficient 0.000	
Shut-In Pressure, Casing, PSIG 783	+ 12 = PSIA 795	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 296	+ 12 = PSIA 308	Working Pressure: P _w PSIG Calc.	+ 12 = PSIA		
Temperature: T = 86 °F	n = .75	Fpv (From Tables) 1.025	Gravity .650	Fg = .9608	

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

$$Q = (12.365) (308) (.9759) (.9608) (1.025) = 3,660 \text{ MCF/D}$$

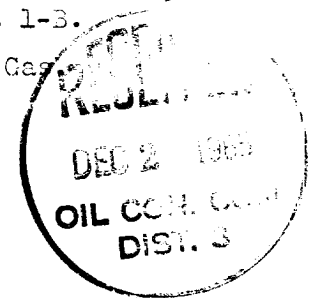
$$\text{OPEN FLOW} = Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{632,025}{441,056} \right)^{.75} = (3,660) (1.4329)^{.75} = (3,660) (1.3095)$$

$$Aof = 4,793 \text{ MCF/D}$$

NOTE: This well was formerly the
Whitley No. 1-B.

Note: Blew Clear Gas

TESTED BY R. F. HendrickCHECKED BY H. G. Dawson
WITNESSED BY

L. R. Galloway
L. R. Galloway