

Operator El Paso Natural Gas Company		Lease Vandewart A No. 6 (OWWO)	
Location 990 N, 990 E, S 24, T29N, R8W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6090	Tubing: Diameter 2.375	Set At: Feet 6005
Pay Zone: From 5266	To 6046	Total Depth: 6090	Shut In 6-2-71
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 857	+ 12 = PSIA 869	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 855
Flowing Pressure: P PSIG 278	+ 12 = PSIA 290		Working Pressure: P _w PSIG 772
Temperature: T = 69 °F	F _t = .9915	n = .75	F _{pv} (From Tables) 1.033
			Gravity .683
			F _g = .9373

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

$$Q = 12.365 \times 290 \times .9915 \times .9373 \times 1.033 = 3442 \text{ MCF/D}$$

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

Note: Blew light fog of water throughout test.

$$Aof = \left(\frac{755161}{140505} \right)^n = 3442(5.3746)^{.75} = 3442(3.5298)$$

$$Aof = 12150 \text{ MCF/D}$$

TESTED BY C. R. Wagner

WITNESSED BY

H. L. Kendrick
H. L. Kendrick

RECEIVED

JUN 17 1971

W. L. COM.

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