

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 9, 1972

Operator EL PASO NATURAL GAS COMPANY		Lease Blanco Com. "A" No. 6 (OWWO)	
Location 1020 N- 1500 E Sec. 36-30-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5158	Tubing: Diameter 2.375	Set At: Feet 5106
Pay Zone: From 5081	To 5104	Total Depth: 5158	Shut In 2-1-72
Stimulation Method SWF		Flow Through Casing	Flow Through Tubing XXX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 510	+ 12 = PSIA 522	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 300	+ 12 = PSIA 312	
Flowing Pressure: P PSIG 101	+ 12 = PSIA 113		Working Pressure: P _w PSIG 388	+ 12 = PSIA 400	
Temperature: T = 68 °F	F _t = .9924	n = .75	F _{pv} (From Tables) 1.012	Gravity .687	F _g = .9359

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

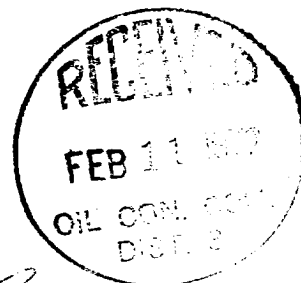
$$Q = (12.365)(113)(.9924)(.9359)(1.012) = \underline{1313} \text{ MCF/D}$$

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

Note: The well produced a heavy spray of distillate and water throughout the test.

$$Aof = \left(\frac{272484}{112484} \right)^n = (1313)(2.4224)^{.75} = 1313 (1.9416)$$

$$Aof = \underline{2549} \text{ MCF/D}$$

TESTED BY Dannie RobertsWITNESSED BY Jess Goodwin

H. E. McAnally
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