

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE December 29, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 29-6 No. 73	
Location 1750'S, 990'W, Sec. 20-29-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7.625	Set At: Feet 3362	Tubing: Diameter 1.660	Set At: Feet 5437
Pay Zone: From 5334	To 5462	Total Depth: 5511	Shut In 12-12-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75		Choke Constant: C 12.365		5" Liner at 3252 to 5509'.	
Shut-In Pressure, Casing, PSIG 1092	12 PSIA	Days Shut-In 17	Shut-In Pressure, Tubing, PSIG 1098	12 PSIA	1110
Flowing Pressure: P, PSIG 498	12 PSIA		Working Pressure: P _w , PSIG 556	12 PSIA	568
Temperature: T 64 F	F _t .9962		F _{pv} (From Tables) 1.052	Gravity .650	F _g .9608

CHOKE VOLUME $Q = C \times P_1 \times F_t \times F_g \times F_{pv}$

$$Q = (12.365)(510)(.9962)(.9608)(1.052)$$

6350

MCF/D

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

$$Aof \left(\frac{1,232,100}{909,476} \right)^n = (6350)(1.3547)^{.75} = (6350)(1.2560)$$

Aof **7976** MCF/D

TESTED BY D. E. Mortensen

Calculated by W. D. Dawson

Checked by T. B. Grant, Jr.



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