

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 1, 1962

Operator El Paso Natural Gas Company		Lease Riddle No. 5-A	
Location 99°S, 1650'E, Sec. 1-29-9		County San Juan	State New Mexico
Formation Pictured Cliff		Pool Blanco	
Casing Diameter 2.875	Set At Feet 3177	Tubing Diameter No Tubing	Set At Feet ----
Pay Zone: From 3058	To 3068	Total Depth 3184	Shut In 9-23-62
Stimulation Method Sand/Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365	"TUBINGLESS COMPLETION"	
Shut-In Pressure, Casing, PSIG 1008	PSIA 1020	Days Shut-In 8	Shut-In Pressure, Tubing, PSIG No Tubing
Flowing Pressure: P, PSIG 252	PSIA 264	Working Pressure: F _w , PSIG Calc.	PSIA 335
Temperature, °F 67	Fr .9933	F _{pv} (From Tables) 1.025	Gravity .650
			F _g .9608

CHOKE VOLUME $Q = C \times P_c \times F_r \times F_g \times F_{pv}$

$$Q = (12.365)(264)(.9933)(.9608)(1.025)$$

3193

MCF/D

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

$$Aof = \left(\frac{1,040,400}{928,175} \right)^n (1.1209)^{.85} (3193) = (1.1018)(3193)$$

NOTE: Blew clear gas.

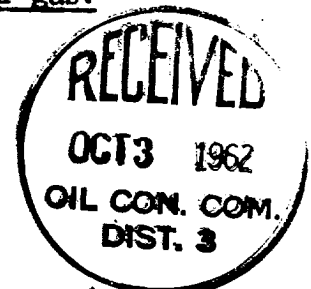
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MCF/D

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