

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA.

DUAL COMPLETION

DATE **November 15, 1961**

Operator El Paso Natural Gas Company		Lease San Juan 27-5 No. 8 (PC) (OWO)	
Location 1650'S, 1090'W, Sec. 32-27N-5W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool So. Blanco PC	
Casing Diameter 7"	Set At: Feet 4800	Tubing: Diameter 1-1/4	Set At: Feet 3189
Pay Zone: From 3238	To 3284	Total Depth: 5526 C/O 5492	Shut In 9-21-61
Stimulation Method Sand/Water Frac.		Flow Through Casing X	
		Flow Through Tubing	

Crack Size, Inches .75	Crack Constant: C 12.365	4-1/2" O.D. Liner 4857 to 5526	
Shut-In Pressure, Casing, PSIG 1050 (PC)	PSIA 1062	Days Shut-In 55	Shut-In Pressure, Tubing, PSIG 1050 (PC)
Flowing Pressure: P, PSIG 187	PSIA 199	Working Pressure: Pw, PSIG 199	PSIA 211
Temperature 59	1.0010	E _{pv} (From Tables) 1.020	Gravity .650
	.85		E _g .9608

Initial SIPT (MV) = 992 psig

Final SIPT (MV) = 992 psig

$Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$Q = (12.365)(199)(1.0010)(.9608)(1.020)$

2414

MCF/D

$$Q = \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_a^2} \right)^n$$

$$\left(\frac{1,127,844}{1,083,323} \right)^n$$

$$(1.0410)^{.85}(2414) = (1.0348)(2414)$$

2498

MCF/D

A. F. Headrick

Checked by W. L. Dawson



Lewis D. Galloway
Lewis D. Galloway