

CORRECTED COPY

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DUAL COMPLETION

CORRECTED COPY

DATE February 27, 1964

Operator El Paso Natural Gas Company		Lease Turner Hughes No. 14 (MV)	
Location 1783'N, 1090'E, Sec. 4, T-27-N, R-9-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 5.500	Set At: Feet 5035	Tubing Diameter 1.660	Set At: Feet 4814
Pay Zone: From 4866	To 4806	Total Depth 7129	Shut In 2-10-64
Stimulation Method Sand/Water Frac.		Flow Through Casing X	
		Flow Through Tubing	

Choke Size, Inches 0.750	Choke Constant: C 12.365	Baker Model D Packer set at 4965'.	
Shut-In Pressure, Casing, PSIG 978 (MV)	PSIA 990	Days Shut-In 17	Shut-In Pressure, Tubing, PSIG 982 (MV)
Working Pressure: P, PSIG 167	PSIA 179		Working Pressure: Pw, PSIG 257
Temperature: T 66 F	.9943		Gravity .695
	.75	1.018	.9292

Initial SIPT (DK) = 1980 psig

Final SIPT (DK) = 1990 psig

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$C = (12.365)(179)(.9943)(.9292)(1.018)$$

2082

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P^2}{P_c^2 - P_a^2} \right)^n$$

$$A_{of} = \left(\frac{988,036}{915,675} \right)^n (2082)(1.0790)^{.75} = (2082)(1.0587)$$

NOTE: Well produced a heavy spray of distillate throughout the test.

Aof 2204

MCF/D

TESTED BY **D. Roberts & R. Headrick**

Calculated by **H. E. McNally**

Checked by **T. B. Grant**

Lewis D. Galloway
Lewis D. Galloway

