

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

CORRECTED COPY

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
Flow 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) PSIA 994
Flowing Pressure, P, PSIG 167	PSIA 179	Working Pressure, P _w , PSIG 257 PSIA 269
Temperature 66	.9943 .75	F _{pv} (From Tables) 1.018 Gravity .695 F _g .9292

Initial SIPT (DK) = 1980 psig

Final SIPT (DK) = 1990 psig

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

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

2082

MCF D

OPEN FLOW Act $Q = \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_a^2} \right)^n$

Act $\left(\frac{988,036}{915,675} \right)^n$

$$(2082)(1.0790)^{.75} = (2082)(1.0587)$$



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

Act 2204

MCF D

TESTED BY D. Roberts & R. Headrick

Calculated by

~~XXXXXXXXXX~~ H. E. McAnally

Checked by T. B. Grant

Lewis D. Galloway
Lewis D. Galloway

