

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA**CORRECTED COPY**

DUAL COMPLETION

CORRECTED COPY

RE-TEST

DATE

October 23, 1962

Operator El Paso Natural Gas Company	Lease San Juan Unit 32-7 No. 37 (DK)
Location 790'N, 300'W, Sec. 9-32-7	County San Juan State New Mexico
Formation Dakota	Pool Basin
Casing Diameter 4.0 Set At. Feet 8023	Tubing Diameter 2.0625 Set At. Feet 7741
Pay Zone From 7766 To 7941	Total Depth 8025 Shut In 10-12-62
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches .75	Choke or Restrictor 12.365	Baker Model "D" Pkr. at 7584'.
Shut-In Pressure, Casing (MV) 1151	PSIG - 12 - PSIA 1163	Shut-In Pressure, Tubing (DK) 1872 PSIG - 12 - PSIA 1884
Flowing Pressure: P 67	PSIG - 12 - PSIA 79	Working Pressure: P _w Calc. 231
Temperature 65	.9952	Flowing Pressure: P _w 1.009
.75	.9608	

Initial SIPT (MV) = 1151 psig

Final SIPC (MV) = 1155 psig

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

$$Q = (12.365)(79)(.9952)(.9608)(1.009)$$

942

MCF D

$$\text{OPEN FLOW } Aof = \left(\frac{P_1^2}{P_2^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{3,549,456}{3,496,095} \right)^n \quad (1.0152)^{.75}(942) = (1.0114)(942)$$

Aof 953 MCF D

NOTE: Well blew down upon opening. After 8 minutes unloaded solid stream of water for 3 minutes. Blew heavy fog of water throughout remainder of test.

TESTED BY **C. R. Wagner**

WITNESSED BY

Checked by **T. B. Grant**

RECEIVED
NOV 9 1962
OIL CON. COM.
Lewis D. Galloway