

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE October 23, 1962

Operator El Paso Natural Gas Company	Lease San Juan Unit 32-7 No. 37 (DK) (Re-Test)
Location 790'N, 300'W, Sec. 9-32-7	County San Juan State New Mexico
Formation Dakota	Basin Basin
Casing Diameter 4.0"	Tubing Diameter 2.0625
Set At Feet 8023	Set At Feet 7741
Flow Line From 7766	Shut In 9-13-62
Stratigraphic Method Sand/Water Frac.	Flow Through Tubing X

Case Size, Inches .75	Stroke Constant, C 12.365	Baker Model "D" Packer at 7584'.
Initial Pressure, Casing, PSIG 1151 (MV)	PSIG 12 PSIA 1163	Days Shut In 40
Working Pressure, P, PSIG 67	PSIG 12 PSIA 79	Initial Pressure, Tubing, PSIG 1872 (DK)
Temperature 65	Gravity .9608	Working Pressure, Pw, PSIG 231
		Calc. 1.009
		Flow Through Tubing .650

Initial SIPT (MV) 1151 psig

Final SIPC (MV) 1155 psig

REPORT VOLUME $Q = \frac{C}{P_1 - P_2} \times R_1 \times R_2 \times F_g \times F_v$

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

942 MCF/D

$$Q = \frac{C}{P_1 - P_2} \left(\frac{P_1}{P_2} \right)^n$$

$$Q = \frac{C}{3,549,456 - 3,496,095} \left(\frac{3,549,456}{3,496,095} \right)^n$$

$$(1.0152)^{.75}(942) = (1.0114)(942)$$



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

C. R. Wagner

Checked by T. B. Grant

H. L. Kendrick
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