

EL PASO NATURAL PRODUCTS COMPANY OPEN FLOW TEST DATA

DATE **March 25, 1959**

Operator El Paso Natural Products Co.	Lease Delhi Taylor 1-D
Location SW Sec. 3-26N-11W	County San Juan State New Mexico
State Dakota	Flow Undesignated
Casing Diameter 7" Set At Feet 6636	Tubing Diameter 2" Set At Feet 6400
Flow Through Casing 6344 In 6422	Total Depth 6646 Shut in 3/18/59
Stratification Method Sand Oil Frac.	Flow Through Tubing X

Choke Volume, L/D 175	Choke Constant, C 12.365	Days Shut in 7	Shut-In Pressure, Tubing 2000 PSIG - 12 PSIA 2012
Working Pressure, Pw 2014 PSIG - 12 PSIA 2026	Flowing Pressure, P 585 PSIG - 12 PSIA 597	Temperature, T 68	Flow Through Tubing 1283 PSIG - 12 PSIA 1295
Gravity .75	Fpv (From Tables) 1.077		Gravity .720

CHOKE VOLUME $Q = C \times P_w \times P \times F_v \times F_g$

$Q = 12.365 \times 597 \times .9924 \times .9129 \times 1.077$ **7,203** MCF/D

OPEN FLOW $Q = \left(\frac{P_w^2 - P^2}{P_w^2 - P_v^2} \right)^n$

Blew large amount of fluid for 10 min.
Then Good mist rest of time.

$Q = \left(\frac{4104676}{2427651} \right)^n$ $1.6908^{.75} \times 7203 = 1.4825 \times 7203$

Act **10,678** MCF/D

Don Mortensen

Checked By

S. V. Roberts

L. D. Galloway
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