

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE February 5, 1957

Operator El Paso Natural Gas Company	Lease Sullivan # 1-E
Location 1980'S, 659'E, Sec. 9-26-12	County San Juan State New Mexico
Formation Gallup	Well Wildcat
Casing Diameter 5½ Ser. At: Feet 5175	Tubing Diameter 2" Ser. At: Feet 5134
Pay Zone From 4977 To 5116	Pay Zone 5175 - c/o - 5130
Stimulation Method Sand Water Frac.	Flow Through Casing <input type="checkbox"/> Flow Through Tubing <input checked="" type="checkbox"/>

Choke Size, Inches .750	Choke Constant, C 14.1605
Shut-In Pressure, Casing, PSIG 1276	PSIA 1288 Days Since 11 Shut-In Pressure, Tubing 1272 PSIA 1284
Flowing Pressure, P, PSIG 300	PSIA 312 Working Pressure, Pw, PSIG 785 Gravity 797
Temperature, T, F 71	Flow Factor, F, PSIG 1.037 Gravity .721

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

$Q = 14.1605 \times 312 \times .9896 \times .9129 \times 1.037$ 4139 MCF/D

OPEN FLOW Aof $Q \left(\frac{P_1 - P_2}{P_1} \right)^n$

Aof $\left(\frac{1,658,944}{1,023,735} \right)^n (1.6205)^{.75} \times 4139 = 1.436 \times 4139$

Aof **5944** MCF/D



Made considerable amount of fluid, mostly water, but some oil during entire 3 hour test.

K. C. McBride

L. D. Galloway
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OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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