

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE July 22, 1959

Operator El Paso Natural Gas Products Company		Lease Frontier 2-C (D)	
Location 890E; 17508, 5-27-11		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing Diameter 7"	Set At Feet 6610	Tubing Diameter 2"	Set At Feet 6444
Pay Zone From 6441	To 6449	Total Depth 6616	Shut In: 7/14/59
Stimulation Method Sand Oil		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant, C 12.365	Shut-In Pressure, Casing 599 (G)	PSIG 611	PSIA 8	Shut-In Pressure, Tubing 2069 (D)	PSIG 2081	PSIA
Flowing Pressure, Casing 239	PSIG 251	PSIA	Working Pressure, Pw Calc.	PSIG 518	PSIA	Flow From Tubing 1.026	Gravity .720
Temperature 81	PSIA .75						

Initial SIPT (G) = 232 psig

Final SIPC (G) = 605 psig

Packer at 6440

CHOKE VOLUME $Q = C \times R \times E \times F_g \times F_v$

$$C = 12.365 \times 251 \times .9804 \times .9129 \times 1.026 \quad 2850 \quad \text{MCF/D}$$

UPPER FLOW AREA Q

$$Q = \left(\frac{4330561}{4062237} \right)^n \quad 1.0660^{.75} \times 2850 = 1.0491 \times 2850$$

Actual $2990 \quad \text{MCF/D}$ By Don MortensenWitnessed By Kreger, EPNG Prod., Smith, N.M.O.C.C.Checked By H. L. Kendrick

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OIL CONSERVATION COMMISSION**AZTEC DISTRICT OFFICE**

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