

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE January 2, 1962

Operator El Paso Natural Gas Company	Lease San Juan Unit 28-6 No. 100
Location 1000'S, 1850'W, Sec. 13-28-6	County, State Rio Arriba New Mexico
Formation Dakota	Pool Basin
Casing Diameter 4-1/2"	Tubing Diameter 2-3/8" O.D.
Set At Feet 7868	Set At Feet 7778
Flow Meter 7550	Total Depth 7868 c/o 7820
Shut-In Pressure 7802	Shut-In 12-9-61
Stratigraphic Method Sand/Water	Flow Through Casing X

Drainage Area, Acres .750	Drainage Constant, C 12.365	Days Shutoff 24	Shut-In Pressure, Tubing 2326	PSIG - 12 PSIA 2338
Static Pressure, P ₁ 2598	PSIG - 12 PSIA 2600	Working Pressure, P _w 1455	PSIG - 12 PSIA 1467	
Flowing Pressure, P ₂ 439	PSIG - 12 PSIA 451	Eq. From Tables 1.035	Gravity .610	F _g .9918
Temperature 71	.9896			

$$Q = 1.78 \times 10^{-4} \times C \times P_1 \times F_1 \times F_g \times F_v$$

$$(12.365)(451)(.9896)(.9918)(1.035)$$

5665

MCF/D

$$Q = 1.78 \times 10^{-4} \times C \times \left(\frac{P_1^2 - P_2^2}{P_1^2} \right)^n$$

$$\left(\frac{6,760,000}{4,607,911} \right)^n$$

$$(1.4670)^{.75} (5665) = (1.3335)(5665)$$

NOTE: 5 minutes after opening well blew slug of water which lasted 30 seconds. Remainder of test blew light water mist.

7554

MCF/D

D. E. Mortensen

Checked by: W. D. Dawson

