FORM 23-2AR (REV. 11-57)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **April 19, 1960**

Operator: **El Paso Natural Gas**		Lease: **Rincon Unit No. 127 (D)**	
Location: **1190N, 890E; 28-27-6**		County: **Rio Arriba**	State: **New Mexico**
Formation: **Dakota**		Pool: **Undesignated**	
Casing: Diameter **5**	Set At: Feet **7698**	Tubing: Diameter **2**	Set At: Feet **7480**
Pay Zone: From **7364**	To **7586**	Total Depth **7283 c/o 7700**	~~XXXXX~~ **Re SI 4/8/60**
Stimulation Method: **Sand Oil Frac.**		Flow Through Casing	Flow Through Tubing **X**

Choke Size, Inches: **.75**	**1**	Choke Constant: C **12.365**	**7" at 7283; 5" liner 7217-7698**
Shut-In Pressure, Casing: **1311 (MV)** PSIG + 12 = PSIA **1323**	Days Shut-In **11**	Shut-In Pressure, Tubing: **2158 (Dak)** PSIG + 12 = PSIA **2170**	
Flowing Pressure: P **379** PSIG + 12 = PSIA **391**		Working Pressure: P_w **854 (Calc.)** PSIG + 12 = PSIA **866**	
Temperature: T **70** °F	F_t **.9905**	n **.75**	Fpv (From Tables) **1.037** Gravity **.668** Fg **.9498**

Initial SIPT (MV) = 1311 psig
Final SIPC (MV) = 1329 psig

Baker Model "D" packer set at 6880

CHOKE VOLUME Q = $P_t \times F_t \times F_g \times F_{pv}$

Q **12.365 x 391 x .9905 x .9498 x 1.037** = **4717** MCF/D

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

Aof $\left(\frac{4708900}{3958944}\right)^n$ **$1.1894^{.75}$ x 4717 = 1.1390 x 4717**

Aof **5373** MCF/D

RECEIVED APR 25 1960 OIL CON. COM. DIST. 3

TESTED BY **D. Mortensen**

WITNESSED BY

Checked By **W. D. Dawson**

Lewis D. Galloway

L. D. Galloway