EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION   DATE _____ August 15, 1966 _____

Operator		Lease	
El Paso Natural Gas Company		Storey C No. 10 (MV) (OWWO)	
Location		**County**	**State**
1090'S, 1650'W, Sec. 35, T-28-N, R-9-W		San Juan	New Mexico
Formation		**Pool**	
Mesa Verde		Blanco	
Casing: Diameter	**Set At: Feet**	**Tubing: Diameter**	**Set At: Feet**
5.500	4747	2.375	4636
Pay Zone: From	**To**	**Total Depth:**	**Shut In**
4595	4662	4747	7-26-66
Stimulation Method		**Flow Through Casing**	**Flow Through Tubing**
Sand Water Frac.			X

Choke Size, Inches		Choke Constant: C			
.750		12.365		Baker Model "N" Packer set at 2421	
Shut-In Pressure, Casing, PSIG	**+ 12 = PSIA**	**Days Shut-In**	**Shut-In Pressure, Tubing PSIG**		**+ 12 = PSIA**
402 (PC)	414	20	532 (MV)		544
Flowing Pressure: P PSIG	**+ 12 = PSIA**		**Working Pressure: Pw PSIG**		**+ 12 = PSIA**
154	166		Calc.		309
Temperature:	**n =**		**Fpv (From Tables)**	**Gravity**	
T=73 °F Ft= .9877	.75		1.018	.700 Fg = .9258	

ISIPT (PC) = 218 psig
FSIPC (PC) = 402 psig

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

$$Q = (12.365)(166)(.9877)(.9258)(1.018) = \underline{\quad 1911 \quad} \text{ MCF/D}$$

OPEN FLOW $= A_{of} = Q \left(\dfrac{P_c^2}{P_c^2 \quad P_w^2} \right)^n$

$$A_{of} = \left(\dfrac{295936}{200455} \right)^n = (1911)(1.4763)^{.75} = (1911)(1.3393) =$$

$$A_{of} = \underline{\quad 2559 \quad} \text{ MCF/D}$$

NOTE: Unloaded large amount of a black
liquid after 5 min. Then blew a
heavy fog of light distillate and
water for remainder of test.

TESTED BY _____ Jess Goodwin _____

Calculated
WITNESSED BY _____ Tom B. Grant _____

Checked by _____ Al Loleit _____

H. L. Kendrick