FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 5-11-70

Operator: El Paso Natural Gas Co.		Lease: San Juan 27-5 Unit No. 119	
Location: 1840S, 1650W, S24, T27N, R5W		County: RA	State: New Mexico
Formation: Dakota		Pool: Basing	
Casing: Diameter: 4.500	Set At: Feet: 7789	Tubing: Diameter: 1.660	Set At: Feet: 7746
Pay Zone: From: 7552	To: 7770	Total Depth: 7789	Shut In: 4-25-70
Stimulation Method: SWF		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: .570		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2521	+ 12 = PSIA: 2533	Days Shut-In: 16	Shut-In Pressure, Tubing PSIG: 2645		+ 12 = PSIA: 2657
Flowing Pressure: P PSIG: 281	+ 12 = PSIA: 293		Working Pressure: P_w PSIG: 602		+ 12 = PSIA: 614
Temperature: T= 72 °F	Ft= .9896	n = .75	Fpv (From Tables): 1.027		Gravity: .650 Fg= .9608

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = (12.365)(293)(.9896)(.9608)(1.027) = 3538 MCF/D

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

Note: Blew light fog of H_2O and Dist. throughout test.

Aof = $\left(\frac{7059649}{6682653}\right)^n$ = $(1.0564)^{.75}(3538) = (1.0420)(3538)$

Aof = 3687 MCF/D

RECEIVED
MAY 14 1970
OIL CON. COM.
DIST. 3

TESTED BY C. R. Wagner

WITNESSED BY _____

H. L. Kendrick