FORM 23-73R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE June 6, 1967

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit No. 167	
Location: 1825'N, 1650'W, Sec. 23, T-26-N, R-10-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6865	Tubing: Diameter: 2.375	Set At: Feet: 6618
Pay Zone: From: 6650	To: 6610	Total Depth: 6865	Shut In: 5-19-67
Stimulation Method: Sand Water Frac		Flow Through Casing	Flow Through Tubing: X

Choke Size, Inches: meter 2 1/2" Plate; 4" M. R.		Choke Constant: C: meter 33.2928		Tested through 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 1799	+ 12 = PSIA: 1811	Days Shut-In: 18	Shut-In Pressure, Tubing PSIG: 1817	+ 12 = PSIA: 1829	
Flowing Pressure: P PSIG: meter 211; W. H. 476	+ 12 = PSIA: 223; W. H. 488		Working Pressure: Pw PSIG: 1102	+ 12 = PSIA: 1114	
Temperature: T= 68 °F Ft=.9924	n = .75		Fpv (From Tables): 1.025	Gravity: 700 Fg = 1.1952	

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

Q = Calculated from orifice meter reading = 5552 MCF/D

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

Aof = $\left(\frac{3345241}{2104245} \right)^n$ = $(5552)(1.5897)^{.75}$ = $(5552)(1.4158)$

Aof = 7861 MCF/D

NOTE: The well produced 33.1 bbls. on 46.6 API oil during the 3 hour test. The separator also carried over continually during the test due to the inability of the test unit to handle this volume.

RECEIVED
JUN 9 1967
OIL CON. COM.
DIST. 3

TESTED BY R. F. Headrick

CHECKED WITNESSED BY T. B. Grant

H. L. Kendrick