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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE June 5, 1968

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit No. 179	
Location: 1750'N, 1650'W, Sec. 14, T-26-N, R-10-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6964	Tubing: Diameter: 2.375	Set At: Feet: 6639
Pay Zone: From: 6678	To: 6836	Total Depth: 6964	Shut In: 5-29-68
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: 2 1/2" plate; 4" meter run		Choke Constant: C: 33.2928		Tested through 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 1929	+ 12 = PSIA: 1941	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 1957	+ 12 = PSIA: 1969	
Flowing Pressure: P PSIG: 90 MR; 275 WH	+ 12 = PSIA: 102 MR; 287 WH		Working Pressure: Pw PSIG: 1328	+ 12 = PSIA: 1340	
Temperature: T= 78 °F Ft= .9831	n = .75		Fpv (From Tables): 1.010	Gravity: .700 Fg = 1.1952	

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

Q = Calculated from orifice meter reading = 2890 MCF/D

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

$Aof = \left(\frac{3876961}{2081361} \right)^n = (2890)(1.8627)^{.75} = (2890)(1.5944)$

NOTE: This well produced 45.12 bbls. of 46.7 API gravity oil into the tank.

RECEIVED
JUN 10 1968
OIL CON. COM.
DIST. 3

Aof = 4608 MCF/D

TESTED BY George A. Lippman

CHECKED WITNESSED BY T. B. Grant

T. B. Grant