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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DUAL COMPLETION DATE October 20, 1965

Operator: El Paso Natural Gas Company		Lease: Huerfanito Unit No. 82 (DK)	
Location: 1550'S, 990'W, Sec. 25, T-27-N, R-9-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter 5.500	Set At: Feet 6880	Tubing: Diameter 2.375	Set At: Feet 6703
Pay Zone: From 6536	To 6736	Total Depth: 6880	Shut In 10-10-65
Stimulation Method: Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches: .750		Choke Constant: C 12.365		Baker Model "F" Packer at 4600'	
Shut-in Pressure, Casing, PSIG: 1079 (MV)	+ 12 = PSIA: 1091 (MV)	Days Shut-In: 10		Shut-in Pressure, Tubing PSIG: 2139 (DK)	+ 12 = PSIA: 2151 (DK)
Flowing Pressure: P PSIG: 214	+ 12 = PSIA: 226			Working Pressure: Pw PSIG: Calc. 465	+ 12 = PSIA: 477
Temperature: T= 68 °F Ft= .9924	n = .75			Fpv (From Tables): 1.025	Gravity: .700 Fg = .9258

ISIPT (MV) 560 PSIG
FSIPC (MV) 1086 PSIG

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

$Q = (12.365)\ (226)\ (.9924)\ (.9258)\ (1.025) =$ 2,632 MCF/D

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

$Aof = \left(\frac{4,626,801}{4,399,272} \right)^n = (2632)\ (1.0517)^{.75} = (2632)\ (1.0386)$

NOTE: 6 minutes after well was turned on it unloaded water and distillate. Blew a heavy spray of water and distillate, throughout the test.

Aof = 2,734 MCF/D

TESTED BY Dannie R. Roberts

CALCULATED BY Hermon E. McAnally

CHECKED BY Tom B. Grant.

RECEIVED
OCT 27 1965
OIL CON. COM.
DIST. 3

Lewis D. Galloway

Lewis D. Galloway