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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

CORRECTED COPY Dual Completion DATE February 24, 1967

Operator: El Paso Natural Gas Company		Lease: Huerfanito Unit No. 98 (DK) (OWWO)	
Location: 1500'N, 1650'E, Sec.35, T-27-N, R-9-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 5.500	Set At: Feet: 6885	Tubing: Diameter: 2.375	Set At: Feet: 6638
Pay Zone: From: 6575	To: 6671	Total Depth: 6885	Shut In: 2-13-67
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 Set at 4672	
Shut-In Pressure, Casing, PSIG: 990 (MV)	+ 12 = PSIA: 1002 (MV) Days Shut-In: 11	Shut-In Pressure, Tubing PSIG: 1960 (DK)	+ 12 = PSIA: 1972 (DK)
Flowing Pressure: P PSIG: 101	+ 12 = PSIA: 113	Working Pressure: P_w PSIG: Calc.	+ 12 = PSIA: 236
Temperature: T= 65 °F Ft= .9952	n = .75	Fpv (From Tables): 1.012	Gravity: .700 Fg= .9258

ISIPT (MV) = 996 psig
FSIPC (MV) = 994 psig

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

$Q = (12.365)(113)(.9952)(.9258)(1.012)$ = 1303 MCF/D

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

$Aof = \left(\frac{3888784}{3833088} \right)^n = (1303)(1.0145)^{.75} = (1303)(1.0108)$

Aof = 1317 MCF/D

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OIL CON. COM.
DIST. 3

NOTE: The well produced a heavy fog of water and dist. for the first 5 minutes, then a medium fog of dist. & water the next hour and 45 minutes, and a light fog of dist. & water for the remainder of the test.

TESTED BY Don Norton

CALCULATED WITNESSED BY H. E. McAnally

CHECKED BY T. B. Grant

H. L. Kendrick