FORM 23-75 (12-65)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE April 11, 1972

Operator: EL PASO NATURAL GAS COMPANY		Lease: Huerfano Unit No. 228	
Location: 840 N 1750 W Sec. 32 ; 27 N-10 W		County: San Juan	State: N. M.
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6545	Tubing: Diameter: 2.375	Set At: Feet: 6475
Pay Zone: From: 6266	To: 6470	Total Depth: 6544	Shut In: 4-4-72
Stimulation Method: SWF		Flow Through Casing:	Flow Through Tubing: XXX

Choke Size, Inches: 4" Mr 2.750 (Plate)	Choke Constant: C: 41.10	Tested through a3/4" Variable Choke	
Shut-In Pressure, Casing, PSIG: 1640	+ 12 = PSIA: 1652 — Days Shut-In:	Shut-In Pressure, Tubing PSIG: 1227	+ 12 = PSIA: 1239
Flowing Pressure: P PSIG: Mr 29 WH 150	+ 12 = PSIA: Mr 41 WH 162	Working Pressure: P_w PSIG: 569	+ 12 = PSIA: 581
Temperature: T= 85 °F Ft= .9768	n = .750	Fpv (From Tables): 1.003	Gravity: .710 Fg = 1.187

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

Q = Calculated from orifice meter readings 1038 MCF/D

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

NOTE: The well produced 97.88 bbls. of 41.5 gravity oil during the test.

$$Aof = \left(\frac{2729104}{2391543} \right)^n = (1.1411)^{.75} (1038) = (1.1041)(1038)$$

Aof = 1146 MCF/D

TESTED BY Norton and Goodwin

WITNESSED BY

H. E. McAnally

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