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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE March 1, 1967

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit No. 129 (OWWO)	
Location: 1750'N, 1090'W, Sec. 9, T-26-N, R-9-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6792	Tubing: Diameter: 2.875	Set At: Feet: 6509
Pay Zone: From: 6560	To: 6664	Total Depth: 6792	Shut In: 2-19-67
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750		Choke Constant: C: 12.365		Baker Model Packer at 6506	
Shut-In Pressure, Casing, PSIG: Packer 0	+ 12 = PSIA: 0	Days Shut-In: 10	Shut-In Pressure, Tubing PSIG: 1430		+ 12 = PSIA: 1442
Flowing Pressure: P PSIG: 98	+ 12 = PSIA: 110		Working Pressure: P_w PSIG: (calc) 149		+ 12 = PSIA: 161
Temperature: T= 65 °F Ft= .9952	n = .750		Fpv (From Tables): 1.009		Gravity: .695 Fg = .9292

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

$Q = 110\ (12.365)(.9952)(.9292)(1.009) = 1269$ MCF/D

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

$Aof = \left(\frac{2079364}{2053443} \right)^n = (1269)(1.0126)^{.75} = (1269)(1.0094)$

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NOTE: The well produced a heavy fog of water and distillate for the entire test period.

Aof = 1281 MCF/D

TESTED BY Jesse B. Goodwin

CHECKED ~~WITNESSED~~ BY A. J. Loleit & T. B. Grant

H. L. Kendrick