EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 16, 1962

Operator: El Paso Natural Gas Company		Lease: Grambling No. 4	
Location: 1150N, 1500W, Sec. 22, T-29N, R-9W		County: San Juan	State: New Mexico
Formation: Pictured Cliff		Pool: Blanco	
Casing: Diameter: 2.875	Set At: Feet: 2371	Tubing: Diameter: No Tubing	Set At: Feet: -----
Perforations: From: 2258	To: 2281	Total Depth: 2377	Shut In: 8-7-62
Stimulation Method: Sand Water Frac.		Flow Through Casing: X	Flow Through Tubing:

Meter Run Size: .75		Orifice Constant: C: 12.365		Tubingless Completion	
Shut-In Pressure, Casing: 935 PSIG	+ 12 = PSIA: 947	Days Shut-In: 9	Shut-In Pressure, Tubing: No Tubing PSIG	+ 12 = PSIA: ----	
Flowing Pressure: P: 239 PSIG	+ 12 = PSIA: 251		Working Pressure: P_w: (Calc.) PSIG	+ 12 = PSIA: 302	
Temperature: °F: 69	Ft: .9915	Fpv: .85	Fpv (From Tables): 1.023	Gravity: .650	Fg: .9608

OPEN FLOW VOLUME: Q = C × P_t × F_t × F_g × F_{pv}

Q = (12.365)(251)(.9915)(.9608)(1.023) = 3025 MCF/D

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

Aof = $\left(\frac{896,809}{805,605}\right)^n$ $(3025)(1.1132)^{.85}$ = (3025)(1.0955)

Aof = 3314 MCF/D

RECEIVED
AUG 20 1962
OIL CON. COM.
DIST. 3

Tom B. Grant

Checked by: W. D. Dawson

Lewis D. Galloway

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