FORM 23-TOR (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

CORRECTED COPY

DATE August 11, 1964

Operator: Beta Development Company		Lease: San Juan Unit 28-6 No. 115	
Location: 1160'S, 2275'W, Sec. 3, T-27-N, R-6-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7467	Tubing: Diameter: 2.375	Set At: Feet: 7379
Pay Zone: From: 7224	To: 7428	Total Depth: 7467	Shut In: 8-4-64
Stimulation Method: Sand Water Frac.		Flow Through Casing	Flow Through Tubing: X

Choke Size, Inches: .75	Choke Constant: C: 12.365	Company Distribution Only	
Shut-In Pressure, Casing, PSIG: 2591	+ 12 = PSIA: 2603 / Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 2636	+ 12 = PSIA: 2648
Flowing Pressure: P PSIG: 334	+ 12 = PSIA: 346	Working Pressure: Pw PSIG: 1205	+ 12 = PSIA: 1217
Temperature: T= 73 °F Ft= .9877	n = .75	Fpv (From Tables): 1.034	Gravity: .670 Fg= .9463

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

$Q = (12.365)(346)(.9877)(.9463)(1.034) = 4135$ MCF/D

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

$Aof = \left(\frac{7,011,904}{5,530,815} \right)^n = (4135)(1.2677)^{.75} = (4135)(1.1943)$

NOTE: Well produced very little liquids during test.

Aof = 4938 MCF/D

TESTED BY George Hoffman (Beta)

WITNESSED BY Hermon E. McAnally (EPNG)

RECEIVED
AUG 20 1964

Lewis D. Galloway

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