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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE September 24, 1965

Operator: Beta Development Company		Lease: San Juan 29-6 Unit No. 92	
Location: 1190'S, 1040'W, Sec. 12, T-29-N, R-6-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7994	Tubing: Diameter: 2.375	Set At: Feet: 7942
Pay Zone: From: 7843	To: 7942	Total Depth: 7994	Shut In: 9-17-65
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750	Choke Constant: C: 12.365		Company Distribution Only	
Shut-in Pressure, Casing, PSIG: 2490	+ 12 = PSIA: 2502	Days Shut-In: 7	Shut-in Pressure, Tubing PSIG: 2491	+ 12 = PSIA: 2503
Flowing Pressure: P PSIG: 340	+ 12 = PSIA: 352		Working Pressure: P_w PSIG: 1211	+ 12 = PSIA: 1223
Temperature: T= 69 °F	Ft= .9915	n = .75	Fpv (From Tables): 1.037	Gravity: .670 Fg = .9463

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

$Q = (12.365)\ (352)\ (.9915)\ (.9463)\ (1.037) =$ 4,235 MCF/D

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

$Aof = \left(\frac{6,265,009}{4,769,280} \right)^n = (4235)\ (1.3136)^{.75} = (4235)\ (1.2270)$

NOTE: Well produced a very light fog of distillate and water throughout the test.

Aof = 5,196 MCF/D

TESTED BY George Hoffman (Beta)

WITNESSED BY Hermon E. McAnally

RECEIVED
SEP 28 1965
OIL CON. COM.
DIST. 3

Lewis D. Galloway

Lewis D. Galloway