FORM 22-15

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE May 23, 1958

Operator: El Paso Natural Gas	Lease: Jicarilla 16-H
Location: 1650S, 1800E, 8-24-4	County: Rio Arriba; State: New Mexico
Formation: Pictured Cliffs	Pool: Undesignated
Casing: Diameter 5-1/2"; Set At, Feet 2808	Tubing Diameter 1-1/4; Set At, Feet 2772
Pay Zone, From 2682; To 2771	Total Depth: 2809 c/o 2781; Shut-in 4/16/58
Stimulation Method: Sand Water Frac	Flow Through Casing: X; Flow Through Tubing

Choke Size, Inches: .75	Choke Constant: C: 12.365		
Shut-in Pressure, Casing: 843 PSIG + 12 = PSIA: 855; Days Shut-in: 37		Shut-in Pressure, Tubing: 843 PSIG + 12 = PSIA: 855	
Flowing Pressure: P: 40 PSIG + 12 = PSIA: 52		Working Pressure: Pw: 42 PSIG + 12 = PSIA: 54	
Temperature: T: 66 °F; Ft: .85		Fpv (From Tables): 1.004; Gravity: .705	

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

$Q = 12.365 \times 52 \times .9943 \times .9225 \times 1.004 = 592$ MCF/D

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

$Aof = \left(\frac{731025}{728109} \right)^n$ $(1.0040)^{.85} \times 592 = 1.0034 \times 592 =$

Aof 594 MCF/D

RECEIVED MAY 29 1958 OIL CON. COM. DIST. 3

TESTED BY Jess Goodwin

WITNESSED BY Virgil Stoabs

Checked By H. L. Kendrick

cc: Benson-Montin-Greer

Lewis D. Galloway

L. D. Galloway