

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 7, 1960

Operator El Paso Natural Gas Company	Lease Sunray No. 2-E (GWWO) (P)
Location 1650S, 990W; 9-30N-10W	County San Juan State New Mexico
Formation Pictured Cliffs	Pool Aztec PC
Casing Diameter 7-5/8 Set At Feet 3206	Tubing Diameter 1-1/4 Set At Feet 3025
Pay Zones From 2996 To 3020	Total Depth 5436 c/o 5384 Date 5/30/60
Stimulation Method Sand Water Frac.	Flow Through Casing X

Choke Size, Inches .75	Choke Constant 12.365
Shut-in Pressure, PSIA 950 (PC)	Shut-in Pressure, Tubing 945 (PC)
Flowing Pressure, PSIA Csg. 192	Working Pressure, Flow Tbg. 199
Temperature 64 F	Specific Gravity .670
.9962	.85
1.021	.9463

Initial SIPT (MV) = 515 psig

Final SIPT (MV) = 518 psig

Guiberson "Shorty" Packer at 3216

CHOKE VOLUME $Q = C \times F_1 \times F_2 \times F_3 \times F_4$

$$Q = 12.365 \times 204 \times .9962 \times .9463 \times 1.021$$

2428

MCF/D

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

$Q_{OF} = \left(\frac{925444}{880923} \right)^n$

$$1.0505^{.85} \times 2428 = 1.0428 \times 2428$$

2532

MCF/D

W. D. Dawson



L. D. Galloway
L. D. Galloway
By *[Signature]*