OPEN FLOW TEST DATA

Date: June 5, 1956

Operator: El Paso Natural Gas Company

Lease: San Juan 28-6 Unit # 54

Location: 1055'S, 1813'W Sec. 7-27-6

County: Rio Arriba State: N.M.

Formation: Mesa Verde

Pool: Blanco Mesa Verde

Casing: 5½ 7 " Set @ 5600 3252 '

Tubing: 2 " Set @ 5520 '

Pay Zone: 4880 ' To: 5536 '

Total Depth: 5600 c/o - 5571 '

Choke Size: 0.750 "

Choke Constant = C = 14.1605

Stimulation Method: Sand Water Frac.

Flow Through: Casing _____ Tubing X

Shut-In Pressure Casing: 1063 psig + 12 = 1075 psia (Shut-in _____ days)

Shut-In Pressure Tubing: 1063 psig + 12 = 1075 psia

Flowing Pressure: P : 376 psig + 12 = 388 psia

Working Pressure: P_w : 826 psig + 12 = 838 psia

Temperature: T : 74 °F + 460 = 534 ° Absolute

F_{pv} (from tables) : 1.039 Gravity 0.672 n 0.750

Choke Volume = Q = $C \times P_t \times F_t \times F_g \times F_{pv}$

$Q = 14.1605 \times 388 \times .9868 \times .9463 \times 1.039$ = 5331 MCF/D

Open Flow = Aof = $Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$

Aof = $5331 \left[\frac{1,155,625}{453,381} \right]^n = 2.5489^{.75} = 5331 = 2.017 \times 5331$

Aof = 10,753 MCF/D

Tested By: Tom Grant

Witnessed By: _____

RECEIVED
JUN 11 1956
OIL CON. COM.
DIST. 3

L. D. Galloway