OPEN FLOW TEST DATA

Date: September 16, 1959

Operator: MOUNTAIN STATE PETROLEUM Co. Lease: Fritts # 1

Location: 31 - 25N - 1E County: Rio Arriba State: N. Mex.

Formation: G.P. Pool: Ballard

Casing: 5 1/2 " Set @ 3667 ' Tubing: _____ " Set @ _____ '

Pay Zone: 3594 ' To: 3608 ' Total Depth: 3670 ft. '

Choke Size: 3/4 " Choke Constant = C = 14.1605

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 913 psig + 12 = 925 psia (Shut-in 7 days)

Shut-in Pressure Tubing: _____ psig + 12 = _____ psia

Flowing Pressure: P : 38 psig + 12 = 50 psia

Working Pressure: P_w : 327 psig + 12 = 339 psia

Temperature: T : 59 °F + 460 = 519 °Absolute

F_{pv} (from tables) : 1.032 Gravity .670 Est. n .85

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}

Q = 14.1605 x 50 x 1.0000 x .9463 x 1.032 = 692 MCF/D

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

Aof = $\left(\frac{855,625}{746,736} \right)^{.85}$ = 1.134

Aof = 772 MCF/D

Tested By: [illegible]

Witnessed By: _____

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DIST. 3