

OPEN FLOW TEST DATA

Date: August 1, 1966

Operator: Shar Alan Oil Co. Lease: Jicarilla N#4

Location: NW/4 Section 22-23N-2W County: R. A. State: N. M.

Formation: PC Pool: South Blanco

Casing: 4 1/2" Set @ 3060' Tubing: 2 3/8" Set @ 3020'

Pay Zone: 3014' To: 3034' Total Depth: 3070'

Choke Size: 3/4 THG" Choke Constant = C = 12.365

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 910 psig / 12 = 922 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 910 psig / 12 = 922 psia

Flowing Pressure: P : 274 psig / 12 = 286 psia

Working Pressure: P_w : 657 psig / 12 = 669 psia

Temperature: T : 51 °F / 460 = 511 °Absolute

F_{pv} (from tables) : 1.034 Gravity 670 EST n 85

Choke Volume = Q = C x P_c² x F_t² x F_g² x F_{pv}²

12.365 x 286 x 1.0099 x .9463 x 1.034

Q = _____ = 3490 MCF/D

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2 - P_w^2}{850.084} \right]^{1/n} = 2.1119 = 1.8868$$

$$Aof = \left[\frac{P_c^2 - P_w^2}{402.523} \right]^{1/n}$$

Aof = 6585 MCF/D



Tested By: _____

Witnessed By: _____

Geolectric Inc.

[Signature]