

216

/

OPEN FLOW TEST DATA

Date: July 20, 1966

Operator: Shar-Alan Oil Company

Lease: Lillian State 2-X

Location: SE/4 Section 2 Township ^{24N} 25N Range 1W County: Rio Arriba State: New Mexico

Formation: PC Pool: South Blanco

Casing: 4 1/2 " Set @ 2757 ' Tubing: 1 1/2 " Set @ 2716

Pay Zone: 2698 ' To: 2702 ' Total Depth: 2760

Choke Size: 2720 ' To: 2726 ' Total Depth: 2760

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

Stimulation Method: _____ Flow Through: Casing _____ Tubing X

Shut-in Pressure Casing: 581 psig / 12 = 593 psia (Shut-in 7 days)

Shut-in Pressure Tubing: 580 psig / 12 = 592 psia

Flowing Pressure: P : 103 psig / 12 = 115 psia

Working Pressure: P_w : 139 psig / 12 = 151 psia

Temperature: T : 58 °F / 460 = 518 °Absolute

F_{pv} (from tables) : 1.009 Gravity 620 Est n 85

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

12.365 x 115 x 1.0019 x .9837 x 1.009 = 1415 MCF/D

Open Flow - Aof = Q

Aof =

$$\left[\frac{P_c^2 - P_w^2}{327,663} \right]^n = 1.0696 = 1.0588$$

Aof =

1498 MCF/D

Tested By: _____

Witnessed By: _____



Geo. A. ...
B. H. ...