

### OPEN FLOW TEST DATA

Date: 1/7/76

Operator: Curtis Little

Lease: USA Gentle #1

Location: NE/4 - Sec. 17, Twpshp-28N- Rge 11W

County: San Juan State: N.M.

Formation: Fruitland

Pool: Pison Fruitland

Casing: 2 7/8 " Set @ 1420 ' Tubing: \_\_\_\_\_ " Set @ \_\_\_\_\_

Pay Zone: 1346 ' To: 1396 ' Total Depth: 1420

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

Stimulation Method: SWF Flow Through: Casing X Tubing

Shut-in Pressure Casing: 325 psig / 12 = 337 psia (Shut-in 8 days)

Shut-in Pressure Tubing: \_\_\_\_\_ psig / 12 = \_\_\_\_\_ psia

Flowing Pressure: P : 157 psig / 12 = 169 psia

Working Pressure:  $P_w$  : \_\_\_\_\_ psig  $\div 12$  = 191 psia

Temperature: T : 60 °F / 460 = 520 °Absolute

F<sub>py</sub> (from tables) : 1.019 Gravity Est. .670 n 85

$$\text{Choke Volume} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$
$$Q = \frac{2009}{\text{MCF/D}}$$
$$\text{Open Flow} - A_{of} = Q$$

Aof =

$$= 1.4732 = 1.3900$$

Aof =

2,793 MCF/D

Tested By: Geologic, Inc.

Witnessed By: El Paso Natural Gas Co.  
Don Norton



Laurie R Cunningham