

OPEN FLOW TEST DATA

Date: 2/6/63

Operator: SMITH ALAN

Lease: JISARILLA O-3

Location: SE 3-23-E

County: RA State: NM

Formation: P G

Pool: UNDEVELOPED

Casing: 4 1/2 " Set @ 3050 ' Tubing: 1 1/2 " Set @

Pay Zone: 3014 ' To: 3008 ' Total Depth: 3050
2960 2936

Choke Size: 1/4 IN " Choke Constant = C = 12.365

Stimulation Method: Flow Through: Casing X Tubing

Shut-in Pressure Casing: 282 psig / 12 = 280 psia (Shut-in 8 days)

Shut-in Pressure Tubing: 266 psig / 12 = 278 psia

Flowing Pressure: P : 126 psig / 12 = 132 psia

Working Pressure: P_w : 132 psig / 12 = 144 psia

Temperature: T : 42 °F / 460 = 522 °Absolute

F_{pv} (from tables) : 1.013 Gravity 52.1 " 25

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

$$12.365 \times 132 \times 1.0178 \times .9918 \times 1.013 = \underline{1745} \text{ MCF/D}$$

Open Flow - Aof = Q

$$Aof = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0221 \approx 1.0187$$

$$\left[\frac{260,480}{939,664} \right]^n$$

Aof = 1728 MCF/D

Tested By:

Witnessed By:

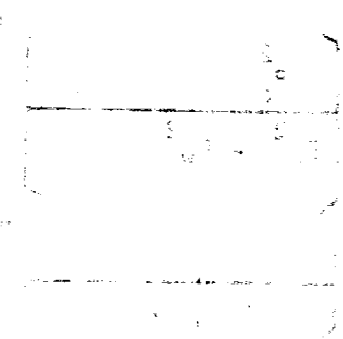


GEOLOGIC INC

Meter: _____
 Location: _____
 Formation: _____
 Casing: _____
 Pay Zone: _____
 Hole Size: _____

Completion Method: _____
 Flow Test and Casing _____
 Tubing _____
 Test-in Pressure Casing _____
 Test-in Pressure Casing _____
 Flowing Pressure _____
 Working Pressure _____
 Temperature _____
 (Flow Test) _____

Casing Valve No. _____
 Casing Valve _____
 Casing Valve _____



Flow - _____

Casing Valve _____
 Casing Valve _____