OPEN FLOW TEST DATA

Date: 9/2/56

Operator: Magnolia Petroleum

Lease: Hal

Location: NE/4 Sec 11-26N-3W

County: Rio Arriba State: N Mex

Formation: Pictured Cliffs

Pool: Wildcat

Casing: _____" Set @ _____'

Tubing: _____" Set @ _____'

Pay Zone: _____' To: _____'

Total Depth: _____'

Choke Size: .750 "

Choke Constant = C = 14.1605

Stimulation Method: _____

Flow Through: Casing _____ Tubing X

Shut-In Pressure Casing: 1030 psig + 12 = 1042 psia (Shut-in 8 days)

Shut-In Pressure Tubing: 1031 psig + 12 = 1043 psia

Flowing Pressure: P : 379 psig + 12 = 391 psia

Working Pressure: P_w : 691 psig + 12 = 703 psia

Temperature: T : 46 °F + 460 = 506 ° Absolute

F_{pv} (from tables) : 1.048

Gravity .660 (est) n .85

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

= 14.1605 x 391 x 1.0137 x .9535 x 1.048 = 5409 MCF/D

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

Aof = $5410 \left[\frac{1043^2}{1043^2 - 703^2} \right]^n = \frac{1087.849}{595.440} = (1.8325)^{.85}$

Aof = 9373 MCF/D

Tested By: W. J. McConathy - Geolectric, Inc

Witnessed By: _____

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