

OPEN FLOW TEST DATA

Date: Nov. 16, 1959

Operator: CALTO OIL Co.

Lease: NAVAJO - 1

Location: SW 1/4 3 - 26N - 11W

County: SAN JUAN State: N.M.

Formation: P.C.

Pool: WEST KUTZ

Casing: 5 1/2 " Set @ 1794 ' Tubing: 1 " Set @ 1850 '

Pay Zone: 1794 ' To: 1860 ' Total Depth: 1860 '

Choke Size: 3/4 " Choke Constant = C = 14,1605

Stimulation Method: S O F Flow Through: Casing X Tubing

Shut-in Pressure Casing: 442 psig / 12 = 456 psia (Shut-in 8 days)

Shut-in Pressure Tubing: _____ psig / 12 = _____ psia

Flowing Pressure: P : 15 psig / 12 = 27 psia

Working Pressure: P_w : _____ psig / 12 = 39 psia

Temperature: T : 84 °F / 460 = 544 °Absolute

F_{pv} (from tables) : 1.007 Gravity 670 EST. n 85

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

$$14,1605 \times 27 \times .9777 \times .9463 \times 1.007$$

$$Q = \underline{\underline{356}} \text{ MCF/D}$$

Open Flow - Aof = Q

Aof =

Aof =

$$\left[\begin{array}{c} P_c^2 \\ 456 \\ P_c^2 - P_w^2 \\ 456 - 39 \\ 207,936 \\ 206,415 \\ 358 \end{array} \right]^n = 1.0062$$

$$\text{MCF/D}$$

Tested By: GEOLFOUR, INC.

Witnessed By: R W Stiles



B H Keys

CONSERVATION COMMISSION

STRICTLY CONFIDENTIAL

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1

1964-1965		
1965-1966		
1966-1967		
1967-1968	1	✓