

OPEN FLOW TEST DATA

Date: May 5, 1956

Operator: J. Glenn Turner

Lease: Huerfano Unit # 41-28

Location: 950'N, 1770'E, Sec. 28-27-9

County: San Juan State: N.M.

Formation: Pictured Cliff (Wildcat)

Pool: Ballard Pictured Cliff

Casing: 5 1/2 " Set 2220 '

Tubing: 1 " Set 2266 '

Pay Zone: 2220 ' To: 2283 '

Total Depth: 2283 '

Choke Size: 0.75 "

Choke Constant = C = 14.1605

Stimulation Method: Sand Oil Frac.

Flow Through: Casing X Tubing

Shut-In Pressure Casing: 628 psig / 12 = 640 psia (Shut-in days)

Shut-In Pressure Tubing: 628 psig / 12 = 640 psia

Flowing Pressure: P : 41 psig / 12 = 53 psia

Working Pressure: P_w : 42 psig / 12 = 54 psia

Temperature: T : 65 °F / 160 = 525 ° Absolute

P_{pv} (from tables) : 1.000 Gravity .627 n 0.850

Choke Volume = C = C x P_t : P_t = P_g x P_{pv}

$$C = 14.1605 \times 53 \times \frac{.9952}{1.000} \times .9798 = 732$$

Open Flow = Q_{of} = C

$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

Q_{of} = 732

$$\left[\frac{409,600}{406,684} \right]^n = 732(1.0072)^{.85} = 732 \times 1.0061$$

Q_{of} = 736

Tested By: L. D. Galloway

Witnessed By: Virgil Stoabs

cc: Benson-Montin-Greer (4)



L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received

3

RECEIVED

FILED

Date

Time

By

State Land Office

U. S. G. S.

Inspector

File