

OPEN FLOW TEST DATA

DATE October 30, 1957

Operator:

Lease:

COLORADO WESTERN EXPLORATION, INC.

GOVERNMENT OWEN #1-7

Location:

County:

State:

990' FNL 990' FWL Sec. 7-T31N-R12W

SAN JUAN

NEW MEXICO

Formation:

Pool:

MESA VERDE

BLANCO MESA VERDE

Casing: Diameter

Set At: Feet

Tubing: Diameter

Set At: Feet

7"

5000'

2-3/8" EUE

4677

Pay Zone: From

To:

Total Depth:

4576

4816

6807 (4980 PBTD)

Stimulation Method:

Flow Through Casing: Flow Through Tubing:

SAND-WATER FRAC

X

Choke Size, Inches:

Choke Constant: C

0.750

14.1605

Shut-in Pressure, Casing

PSIG

+12 = PSIA

Days Shut-in:

Shut-in Pressure, Tubing

+12 = PSIA

1099

1111

7

1099

1111

Flowing Pressure: P

PSIG

+12 = PSIA

Working Pressure: P_w

PSIG

+12 = PSIA

226

238

579

591

Temperature: T

°F

n

F_{pv} (From Tables)

Gravity

70

0.75

1.024

0.675

CHOKE VOLUME $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$Q = (14.1605) (238) (0.9905) (0.9427) (1.024)$

3222

MCFD

OPEN FLOW Aof Q

$$\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

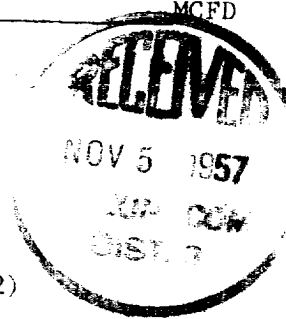
Aof

$$\left(\frac{1,234,321}{885,040} \right)^n (3222) = (1.393)^{0.75} (3222) = (1.282) (3222)$$

Aof

4140

MCFD



Tested By Virgil L. Stoabs

Witnessed By Reid Carrington

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