

NEW MEXICO OIL CONSERVATION COMMISSION  
INITIAL POTENTIAL TEST-DATA SHEET

Form C-122-B

This form must be used for reporting all pitot tube tests made in the State. It is particularly important that it be used for reporting Initial Potential Tests in the San Juan Basin as prescribed by Order No. R-333 and by the New Mexico Oil Conservation Commission Manual of Tables and Procedure for Initial Potential (Pitot Tube) Tests.

POOL Ballard FORMATION Pictured Cliff  
COUNTY San Juan DATE WELL TESTED January 11, 1956

OPERATOR J. Glenn Turner LEASE Huerfano Unit WELL NO. 31-33  
99813  
¼ SECTION: 13121W UNIT LETTER H SEC. 33 TWP. 27 RGE. 9  
CASING: \_\_\_\_\_ " O.D. SET AT \_\_\_\_\_ TUBING \_\_\_\_\_ " WT. \_\_\_\_\_ SET AT \_\_\_\_\_  
PAY ZONE: FROM \_\_\_\_\_ TO \_\_\_\_\_ GAS GRAVITY: MEAS. \_\_\_\_\_ EST. \_\_\_\_\_  
TESTED THROUGH: CASING \_\_\_\_\_ TUBING \_\_\_\_\_  
TEST NIPPLE \_\_\_\_\_ I.D. TYPE OF GAUGE USED ☐ (Spring) ☐ (Monometer)

OBSERVED DATA

SHUT IN PRESSURE: CASING \_\_\_\_\_ TUBING: \_\_\_\_\_ S. I. PERIOD \_\_\_\_\_

TIME WELL OPENED: \_\_\_\_\_ TIME WELL GAUGED: \_\_\_\_\_

IMPACT PRESSURE: \_\_\_\_\_

VOLUME (Table I) .. .. . (a)

MULTIPLIER FOR PIPE OR CASING (Table II) .. .. . (b)

MULTIPLIER FOR FLOWING TEMP. (Table III) .. .. . (c)

MULTIPLIER FOR SP. GRAVITY (Table IV) .. .. . (d)

AVE. BAROMETER PRESSURE AT WELLHEAD (Table V) .. .. .

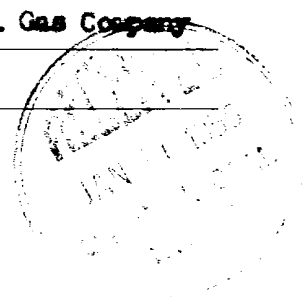
MULTIPLIER FOR BAROMETRIC PRESSURE (Table VI) .. .. . (e)

INITIAL POTENTIAL, MCF/24 Hrs. (a) x (b) x (c) x (d) x (e) = Δof = 2,193  
(See Attached Sheet)

WITNESSED BY: \_\_\_\_\_ TESTED BY: T. B. Grant

COMPANY: \_\_\_\_\_ COMPANY: El Paso Natural Gas Company

TITLE: \_\_\_\_\_ TITLE: Gas Engineer



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# OPEN FLOW TEST DATA

Date: January 11, 1956

Operator: J. Glenn Turner

Lease: Huerfanito Unit 31-33

Location: 1700'S, 990'W, S33-T27N-R9W

County: San Juan State: N.M.

Formation: Pictured Cliff

Pool: Ballard

Casing 5 1/2 "set 2284' Tubing 1 "set 2339'

Pay Zone: 2277 ' to 2340 ' Total Depth: 2340 ' "

Stimulation Method: Sand Oil Frac.

Choke Size: 0.750 " Choke Constant = C = 238

Flow Through: Casing X Tubing

Shut In Pressure Casing: 649 psig / 12 = 661 psia (Shut in 11 days)

Shut In Pressure Tubing: 649 psig / 12 = 661 psia

Flowing Pressure: P : 144 psig / 12 = 156 psia

Working Pressure: P<sub>w</sub> : 168 psig / 12 = 180

Temperature: : 57 °F / 460 = 517 °Absolute

ρ<sub>g</sub> (from tables, : 1.014 Gravity .650 n .85

Choke Volume = = C x P<sub>w</sub>

G T

= 238 x 156 x 1.014 = 37.648 = 2054 /

65 x 517 n 18.33

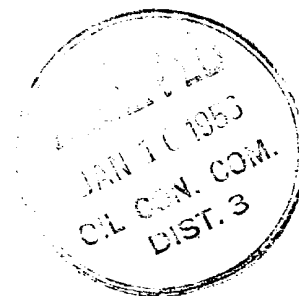
Flow = =  $\frac{P_c^2}{P_c^2 - P_w^2}$

Q<sub>sc</sub> = 2054  $\frac{436,921}{404,521}$  = 2054 (1.0801)<sup>n</sup> = 2054 x 1.0677

Q<sub>sc</sub> = 2193 SCF/D

Tested by: Tom Grant

Witnessed by: \_\_\_\_\_



J. H. Callaway  
J. H. Callaway

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