

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 for reporting Initial Potential Tests in the manner prescribed by Order No. R-333 and by the New Mexico Oil Conservation Commission of Tables and Procedure for Initial Potential (Pitot Tube) Tests.

San Juan County

FORMATION

PICTURED CLIFFS

SAN JUAN

DATE WELL TESTED January 6th, 1956

ATOR

BENSON-MONTIN

LEASE

QUITZAU

WELL NO. 6

1/4 SECTION: NE UNIT LETTER A SEC. 10 TWP. 25N RGE. 8W

CASING: 5-1/2" O.D. SET AT 2295 TUBING 1" WT. 1.6# SET AT 2344

PAY ZONE: FROM 2289 TO 2369 GAS GRAVITY: MEAS. EST. .650

TESTED THROUGH: CASING TUBING

TEST NEPPLE I.D. TYPE OF GAUGE USED (Spring) (Monometer)

OBSERVED DATA

SEE ATTACHED SHEET

SEPT 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)

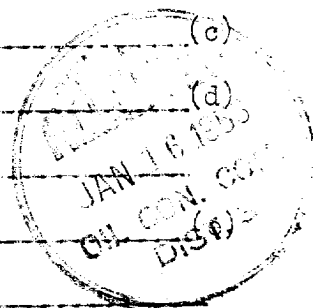
MULTIPLIER FOR FLOWING TEMP. (Table III) (c)

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

AWE. BAROMETER PRESSURE AT WELLHEAD (Table V)

MULTIPLIER FOR BAROMETRIC PRESSURE (Table VI)

INITIAL POTENTIAL, MCF/24 Hrs. (a) x (b) x (c) x (d) x (e) =



WITNESSED BY: D. W. MITCHELL

TESTED BY: VIRGIL L. STOARS

COMPANY: EL PASO NATURAL GAS COMPANY

COMPANY: BENSON-MONTIN

TITLE: Gas Engineer

TITLE: Engineer

INITIAL POTENTIAL
FROM
ONE POINT BACK PRESSURE TEST

BENSON MONTIN

6 GUITZHU

TESTED
1-6-54

5.1.12 csg 588 psig

5.1.13 tbg

5.1.14 tbg 589 psig

Open 3 hours through $\frac{3}{4}$ " choke on casing

Final flowing pressure:

csg 392 psig D.C.V.T.

tbg 405 psig D.C.V.T.

Est. pressure on choke

$$97\% \times 392 = 388 \text{ psig}$$

Choke coefficient = 238 (cal. by test)

$$\text{in } Q = \frac{CP}{\sqrt{ZGT}}$$

Est gravity = 1.45

$$\frac{1}{1.2} = 1.040$$

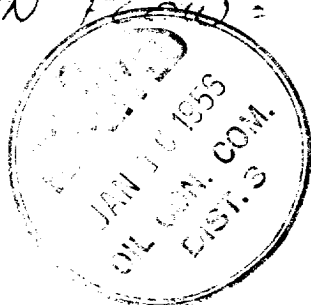
Temp. measured: 66°F

$$\text{FLOW RATE} = \frac{(238)(400)}{(\sqrt{1.45})(\sqrt{526})} \cdot 1.040 = 5,360 \text{ MCF/D}$$

OPEN FLOW =

$$\frac{5360}{\left[1 - \left(\frac{412}{601}\right)^2\right]^{1.5}} = 9350 \text{ MCF/D}$$

for $n = 1.75$



1129

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