

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 CLIFFS
COUNTY SAN JUAN DATE WELL TESTED 12-27-55

OPERATOR BENSON-MONTIN LEASE QUITZAU WELL NO. 10

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

CASING: 5-1/2 " O.D. SET AT 2304 TUBING 1 " WT. 1.6* SET AT 2339

PAY ZONE: FROM 2300 TO 2355 GAS GRAVITY: MEAS. EST. .650

TESTED THROUGH: CASING x TUBING

TEST NIPPLE I.D. TYPE OF GAUGE USED ☒ (Spring) ☐ (Monometer)

OBSERVED DATA

SEE ATTACHED SHEET

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

TIME WELL OPENED: TIME WELL GAUGED:

IMPACT PRESSURE:

VOLUME (Table I) (c)

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) = 3,205

WITNESSED BY: D. W. MITCHELL

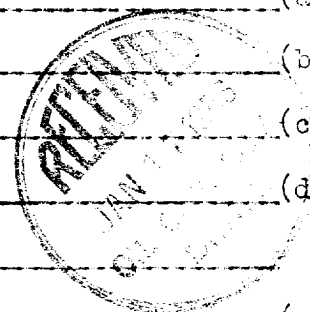
TESTED BY: VIRGIL L. STORAS

COMPANY: EL PASO NATURAL GAS COMPANY

COMPANY: BENSON-MONTIN

TITLE: GAS ENGINEER

TITLE: ENGINEER



INITIAL POTENTIAL
FROM
ONE POINT BACK PRESSURE TEST
BENSON - MONTIN
QUITZAU #10

SIP: 654 PSIG Cog.
655 PSIG Tag.

S.I. 38 days

OPEN 3 HOURS THROUGH $\frac{3}{4}$ " I.D. CHOKER NIPPLE

FINAL FLOWING PRESSURE

219 PSIG - Cog-DWT

" " TEMP.

230 " - tag - "

61° F

CHOKER COEFFICIENT

$$C = \frac{310.6}{\sqrt{T}}$$

Flow Rate: $Q = \frac{310.6 (219 + 12)}{\sqrt{521}} = 3,143 \text{ MCF/day}$

OPEN Flow = $\frac{3,143}{\left[1 - \left(\frac{230}{655}\right)^2\right]^{\frac{1}{n}}} = 3,217 \text{ MCF/day}$
for $n = 1$

or

3,205 MCF/day
for $n = 0.85$

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