

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 12-20-55

OPERATOR BENSON-MONT IN LEASE KA-DES-PAH WELL NO. 1
UNIT
1/4 SECTION: SW LETTER K SEC. 18 TWP. 26N RGE. 8W
CASING: 5-1/2 " O.D. SET AT 1918 TUBING 1" " WT. 1.62 SET AT 1980
PAY ZONE: FROM 1913 TO 1990 GAS GRAVITY: MEAS. _____ EST. .650
TESTED THROUGH: CASING x TUBING _____
TEST NIPPLE 3/4" I.D. cheke I.D. TYPE OF GAUGE USED ☐ Deadweight Tester
nipple (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) (a)

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

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

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

ME. BAROMETER PRESSURE AT WELLHEAD (Table V)

MULTIPLIER FOR BAROMETRIC PRESSURE (Table VI) (e)

INITIAL POTENTIAL, MGF/24 Hrs. (a) x (b) x (c) x (d) x (e) = 1.775

WITNESSED BY: H. L. KENDRICK TESTED BY: VIRGIL L. STOABS

COMPANY: EL PASO NATURAL GAS COMPANY COMPANY: BENSON-MONT IN

TITLE: GAS ENGINEER TITLE: ENGINEER

INITIAL POTENTIAL
FROM
ONE-POINT BACK PRESSURE TEST

BENSON-MONTIN

#1 K9-cies-pah

S.I.P. 629 psig csg S.I. 20 days
629 psig fbg

Open 3 hours through $\frac{3}{4}$ " i.d. choke nipple

Final flowing pressure 114 psig csg (DW tester)
115 " fbg " "

" " temperature 57°F upstream of choke

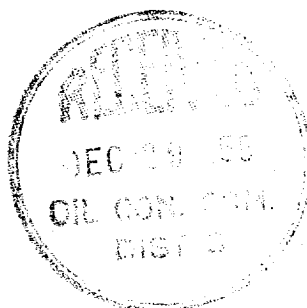
CHOKER COEFFICIENT: $C = \frac{310.6}{\sqrt{T}}$

(From monograph 7, using .65 gfg gas
& 15.025 psi p_b & disregarding
supercompressibility)

FLOW RATE $Q = \frac{(310.6)(114+112)}{\sqrt{517}} = 1720 \text{ MCF/day}$

OPEN FLOW = $\frac{1720}{\left[1 - \left(\frac{115}{629}\right)^2\right]^n} = 1780 \text{ MCF/day}$
(n = 1.0)

OR
1775 MCF/day
(n = .85)



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OIL CONSERVATION COMMISSION

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