

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.

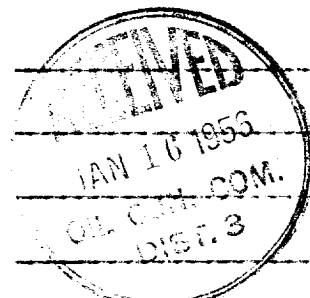
POOL BALLARD FORMATION PICTURED CLIFFS  
COUNTY SAN JUAN DATE WELL TESTED January 6th, 1956

OPERATOR BENSON-MONTIN LEASE QUIZAU WELL NO. 8  
1/4 SECTION: NE UNIT LETTER A SEC. 11 TWP. 25N RGE. 8W  
CASING: 5-1/2 " O.D. SET AT 2792 TUBING 1 " WT. 1.6\* SET AT 2026  
PAY ZONE: FROM 2772 TO 2842 GAS GRAVITY: MEAS. EST. .650  
TESTED THROUGH: CASING TUBING  
TEST WIPPLE 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) .. .. .                                     | (a) |
| MULTIPLIER FOR PIPE OR CASING (Table II) . . . . .           | (b) |
| MULTIPLIER FOR FLOWING TEMP. (Table III) . . . . .           | (c) |
| MULTIPLIER FOR SP. GRAVITY (Table IV) .. .. .                | (d) |
| Avg. 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) = |     |



WITNESSED BY: D. W. MITCHELL TESTED BY: VIRGIL L. STOABS  
COMPANY: EL PASO NATURAL GAS COMPANY COMPANY: BENSON-MONTIN  
TITLE: GAS ENGINEER TITLE: ENGINEER

INITIAL POTENTIAL  
FROM  
ONE-POINT BACK-PRESSURE TEST

BENSON-17-11-11

# 8 40124W

TESTED  
1-6-56

S.I.P. 659 602

S.I. 10 days

S.I.P. 469 601

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

Final Flowing pressure: 659: 49 psig W.O.D.  
469: 50 "

Est press on choke 49 psig

Choke coefficient = 238 (calibrated)

$$m Q = \frac{CP}{\sqrt{20T}}$$

Est gravity = .65  $\frac{1}{0.2} = 1.005$

Temp measured = 55°F

$$FLOW RATE = \left( \frac{(238)(61)}{0.65 \times 515} \right) (1.005) = 800 MCF/D$$

$$OPEN FLOW = \frac{513}{\left[ 1 - \left( \frac{62}{614} \right)^2 \right]^{.75}} = 808 MCF/D$$

$N = .85$

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