

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool BALLARD Formation PICTURED CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 10-3-56
Operator BENSON-MONTIN Lease QUITZAU Well No. 11
Unit A Sec. 3 Twp. 25N Rge. 8W Pay Zone: From 2683 To 2766
Casing: OD 5-1/2" WT. 14# Set At 2715 Tubing: OD 1-1/4" WT. 2.4# T. Perf. 2747
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.680 Estimated _____
Date of Flow Test: From 8-23-56 To 8-31-56 * Date S.I.P. Measured 5-18-56
Meter Run Size 4" Orifice Size _____ Type Chart Sq. Rt. Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) _____ psig + 12 = _____ psia (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ psia (b)
Flowing meter pressure (Dwt) _____ psig + 12 = _____ psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (_____) ² x spring constant _____ = _____ psia (d)
Meter error (c) - (d) or (d) - (c) _____ ± _____ = _____ psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ = _____ psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.15) ² x sp. const. 5 _____ = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 256 psia (h)
P_t = (h) + (f) _____ = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) 631 psig + 12 = 643 psia (j)
Wellhead tubing shut-in pressure (Dwt) 631 psig + 12 = 643 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 643 psia (l)
Flowing Temp. (Meter Run) 63 °F + 460 _____ = 523 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 322 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{c}}{\sqrt{d}} \right) =$ _____ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1124 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ 0.906 = 1018 MCF/day.

SUMMARY

P_c = 643 psia
Q = 1124 Mcf/day
P_w = 256 psia
P_d = 322 psia
D = 1018 Mcf/day

Company BENSON-MONTIN
By August J. Starks
Title Engineer
Witnessed by _____
Company _____

- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction negligible			



1. The following information was received from the Santa Fe
 2. Office of the Santa Fe District Office, Santa Fe, New Mexico,
 3. on the 10th day of March, 1934, in relation to the above
 4. captioned matter: The Santa Fe District Office, Santa Fe,
 5. New Mexico, has received from the Santa Fe District Office,
 6. Santa Fe, New Mexico, a copy of the report of the Santa Fe
 7. District Office, Santa Fe, New Mexico, dated March 10, 1934,
 8. in relation to the above captioned matter. The report of the
 9. Santa Fe District Office, Santa Fe, New Mexico, dated March 10,
 10. 1934, in relation to the above captioned matter, is as follows:

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