

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 in 4-18-56

Operator NEWMAN-MONTIN Lease QUITZAN Well No. 10
Unit P Sec. 10 Twp. 25N Rge. 8W Pay Zone: From 2300 To 2355
Casing: OD 5-1/2" WT. 14" Set At 2304 Tubing: OD 1" WT. 1.7" T. Perf. 2329
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.690 Estimated _____
Date of Flow Test: From 3-23-56 To 3-31-56 * Date S.I.P. Measured 12-27-55
Meter Run Size 4" Orifice Size 1.500 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 (7.95) ² x sp. const. 5 _____ = 316 psia (g)
Corrected seven day ave. meter press. (p_f) (g) + (e) _____ = 316 psia (h)
P_t = (h) + (f) _____ = 316 psia (i)
Wellhead casing shut-in pressure (Dwt) 654 psig + 12 = 666 psia (j)
Wellhead tubing shut-in pressure (Dwt) 655 psig + 12 = 667 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 666 psia (l)
Flowing Temp. (Meter Run) 62 °F + 460 _____ = 333 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 333 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) =$ _____ MCF/day
(integrated)

DELIVERABILITY CALCULATION
D = Q 840 $\left[\frac{(P_c^2 - P_d^2) = \frac{332,667}{319,000}}{(P_c^2 - P_w^2) = \frac{333,000}{343,700}} \right]^n$ 0.9726 = 817 MCF/day

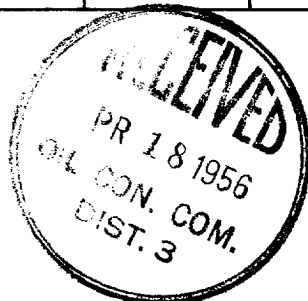
SUMMARY
P_c = 666 psia
Q = 840 Mcf/day
P_w = 316 psia
P_d = 333 psia
D = 817 Mcf/day

Company NEWMAN-MONTIN
By George J. Losh
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			



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AZTEC DISTRICT OFFICE**

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