

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 5-7-56
Operator BENSON-MONTIN Lease QUITZAU Well No. 6
Unit A Sec. 10 Twp. 25N Rge. 3W Pay Zone: From 2289 To 2369
Casing: OD 5-1/2" WT. 14# Set At 2295 Tubing: OD 1" WT. 1.7# T. Perf. 2334
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.685 Estimated _____
Date of Flow Test: From 3-31-56 To 4-8-56 * Date S.I.P. Measured 1-6-56
Meter Run Size 4" Orifice Size 2.25 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 (8.3) ² x sp. const. 5 _____ = 344 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 344 psia (h)
P_t = (h) + (f) _____ = 344 psia (i)
Wellhead casing shut-in pressure (Dwt) 588 psig + 12 = 600 psia (j)
Wellhead tubing shut-in pressure (Dwt) 588 psig + 12 = 600 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 600 psia (l)
Flowing Temp. (Meter Run) 68 °F + 460 _____ = 528 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 300 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \text{_____ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 2264 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.100}{1.032} = \frac{2493}{2336}$ MCF/da.

SUMMARY

P_c = 600 psia
Q = 2264 Mcf/day
P_w = 344 psia
P_d = 300 psia
D = 2336 2493 Mcf/day

Company BENSON-MONTIN
By Heigit A. Roake
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
1599	0.103	3,725	384	118,336	118,720	345



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