

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 Anteo P.C. Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed March 27, 1956

Operator Tennessee Gas Transmission Lease Unit #3 Well No. 1
Unit 11 Sec. 16 Twp. 30N Rge. 11W Pay Zone: From _____ To _____
Casing: OD _____ WT. _____ Set At _____ Tubing: OD _____ WT. _____ T. Perf. _____
Produced Through: Casing 1 Tubing _____ Gas Gravity: Measured .640 Estimated _____
Date of Flow Test: From 2/22/56 To 2/29/56 * Date S.I.P. Measured _____
Meter Run Size _____ Orifice Size _____ Type Chart sq ft 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 6.75 psig + 12 = 228 psia (g)
Square root chart average reading (_____)² x sp. const. 5.00 = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 617 psig + 12 = 629 psia (j)
Wellhead tubing shut-in pressure (Dwt) 616 psig + 12 = 628 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 _____ = 512 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 313 psia (n)

Q = 375 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right) = \underline{375} MCF/da
(Integrated)$

DELIVERABILITY CALCULATION
D = Q 375 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{331} MCF/da.
 $\left[\frac{296,416}{343,697} \right]^n$.8883$

SUMMARY
P_c = 629 psia
Q = 375 Mcf/day
P_w = 228 psia
P_d = 313 psia
D = 331 Mcf/day

Company Gelectric, Inc
By W.J. McNamara W. J. McNamara
Title Agent
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



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