

Initial Deliverability
Test

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 SOUTH BLANCO Formation PICTURED CLIFFS County SJ
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed JUNE 14, 1957
Operator R & G DRILLING CO Lease MARRON Well No. 29
Unit F Sec. 22 Twp. 27 N Rge. 8 W Pay Zone: From 2150 To 2265
Casing: OD 5 1/2 WT. Set At 2262 Tubing: OD 2 WT. T. Perf. 2187
Produced Through: Casing Tubing X Gas Gravity: Measured .655 Estimated
Date of Flow Test: From 5-17-57 To 5-24-57 * Date S.I.P. Measured 3-20-57
Meter Run Size 4" Orifice Size 1.500 Type Chart SR Type Taps FLGE

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. 5.00 = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = psia (h)
P_t = (h) + (f) = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) psig + 12 = 880 psia (j)
Wellhead tubing shut-in pressure (Dwt) psig + 12 = 880 psia (k)
P_c = (j) or (k) whichever well flowed through = 880 psia (l)
Flowing Temp. (Meter Run) 63 °F + 460 = 523 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 440 psia (n)

FLOW RATE CALCULATION

Q = X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 1290 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{MCF/da.}$
590,800 .8442 1089

SUMMARY

P_c = 880 psia
Q = 1290 Mcf/day
P_w = 256 psia
P_d = 440 psia
D = 1089 Mcf/day

Company GELECTRIC, Inc
By B H KEYS *B H Keys*
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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