

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 CLIFF County SJ
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed MAY 5, 1958
Operator R & G DRILLING CO. Lease GRAMAN Well No. 36
Unit E Sec. 10 Twp. 27N Rge. 8W Pay Zone: From 2085 To 2155
Casing: OD 5 1/2 WT. Set At 2185 Tubing: OD 3/4 WT. T. Perf. 2125
Produced Through: Casing X Tubing Gas Gravity: Measured .633 Estimated
Date of Flow Test: From 12-17 To 12-24 * Date S.I.P. Measured 6-17-57
Meter Run Size 4" Orifice Size 4.750 Type Chart SR 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 (7.75)² x sp. const. 500 = 300 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 300 psia (h)
P_t = (h) + (f) = 876 psig + 12 = 888 psia (i)
Wellhead casing shut-in pressure (Dwt) psig + 12 = psia (j)
Wellhead tubing shut-in pressure (Dwt) psig + 12 = psia (k)
P_c = (j) or (k) whichever well flowed through = 888 psia (l)
Flowing Temp. (Meter Run) 59 °F + 460 = 519 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 444 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 1,167 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{MCF/da.}$
591,408 .8680 1013

SUMMARY

P_c = 888 psia
Q = 1,167 Mcf/day
P_w = 300 psia
P_d = 444 psia
D = 1,013 Mcf/day

Company GELECTRIC, INC.
By B H KEYES
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w

