

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

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 S. BLANCO Formation PICTURED CLIFF County SJ
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed Oct/ 25, 1957
Operator R & G DRILLING CO. Lease GRAMM Well No. 32
Unit 1 Sec. 4 Twp. 27N Rge. 8E Pay Zone: From 2127 To 2187
Casing: OD 5 1/2 WT. 22.59 Tubing: OD 2 3/8 WT. 10.5 T. Perf. 2187
Produced Through: Casing 2187 Tubing 2187 Gas Gravity: Measured .655 Estimated
Date of Flow Test: From To * Date S.I.P. Measured 5-23-57
Meter Run Size 4" Orifice Size 1.250 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: = psi (f)
(b) - (c) Flow through tubing; (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading psig + 12 = psia (g)
Square root chart average reading (7.40) ² x sp. const. 500 = 274 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = psia (h)
P_t = (h) + (f) = 274 psia (i)
Wellhead casing shut-in pressure (Dwt) 831 psig + 12 = 863 psia (j)
Wellhead tubing shut-in pressure (Dwt) 831 psig + 12 = 863 psia (k)
P_c = (j) or (k) whichever well flowed through 863 psia (l)
Flowing Temp. (Meter Run) 64 °F + 460 = 524 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 432 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 217 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{_____ MCF/day}$
572,003 669,693 186

SUMMARY

P_c = 863 psia
Q = 217 Mcf/day
P_w = 274 psia
P_d = 432 psia
D = 186 Mcf/day

Company GRAMM, INC.
By B. H. KAYE
Title Manager
Witnessed by
Company

- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻⁸)	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸) R ²	P _t ² (Column i)	P _t ² + R ²	P _w

RECEIVED

OCT 25 1957

OIL CON. COM.
DIST. 3