

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 BASIN DAKOTA Formation DAKOTA County RIO ARriba
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 2-24-61
Operator LA PLATA GATHERING SYSTEM, INC. Lease SAN JUAN 32-5 UNIT Well No. 2-25 (D)
Unit B Sec. 25 Twp. 32N Rge. 6W Pay Zone: From 7952 To 8084
Casing: OD 5-1/2" WT. 17# Set At 8117 Tubing: OD 2-1/16" WT. 3.4# T. Perf. 7800
Produced Through: Casing Tubing X Gas Gravity: Measured 0.599 Estimated
Date of Flow Test: From 1-23-61 To 1-31-61 Date S.I.P. Measured 11-28-60
Meter Run Size 4" Orifice Size 1.000 Type Chart 8q. 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: = 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 (7.30) ² x sp. const. 10 = 533 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 533 psia (h)
P_t = (h) + (f) = 533 psia (i)
Wellhead casing shut-in pressure (Dwt) Dual Completion psig + 12 = psia (j)
Wellhead tubing shut-in pressure (Dwt) 2938 psig + 12 = 2950 psia (k)
P_c = (j) or (k) whichever well flowed through = 2950 psia (l)
P_c = (j) or (k) whichever well flowed through = 541 °Abs (m)
Flowing Temp. (Meter Run) 81 °F + 460 = 1475 psia (n)
P_d = 1/2 P_c = 1/2 (l) =

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 769 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{0.832} = \text{640 MCF/da.}$

SUMMARY

P_c = 2950 psia
Q = 769 Mcf/day
P_w = 560 psia
P_d = 1475 psia
D = 640 Mcf/day

Company LA PLATA GATHERING SYSTEM, INC.
By Engineer
Title
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 1)	P _t ² + R ²	P _w
4672	0.288	103,600	29,837	284,089	313,926	560



