

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 Mesquite-Pictured Cliffs Formation Pictured Cliffs County Elizabethton
Purchasing Pipeline Franklin Northwest Pipeline Corporation Date Test Filed 6-4-57
Operator Franklin Northwest Pipeline Corp Lease Franklin Northwest 240 Well No. 4
Unit 7 Sec. 24 Twp. 30N Rge. 3E Pay Zone: From 3045 To 3000
Casing: OD 20 WT. 24 Set At 3000 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 3005
Produced Through: Casing 1 Tubing 1 Gas Gravity: Measured 0.900 Estimated 0.900
Date of Flow Test: From 6-21-57 To 7-4-57 * Date S.I.P. Measured 6-27-57
Meter Run Size 4" Orifice Size 1.387 Type Chart 20-20 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 _____ = _____ psi (f)
Seven day average static meter pressure (from meter chart): _____
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = _____ 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) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q _____ $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ _____ MCF/day.

SUMMARY

P_c = _____ psia
Q = _____ Mcf/day
P_w = _____ psia
P_d = _____ psia
D = _____ Mcf/day

Company Franklin Northwest Pipeline Corporation
By E. H. Brown, Jr.
Title Field Engineer
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
2000	.345	.145	.000	304.956	304.956	304

* Provided by pipeline company.

Notes: FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA is being added to the blue colored Form C-122-A due to the purchasing distribution on the subject well and the inability of the pipeline company to provide the well for testing.