

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 UNCONFINATED Formation SAN JUAN County BLAQUE
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed JULY 14, 1960
Operator CONCRETE PIPELINE CORP. Lease 1 Well No. 1-4
Unit A Sec. 6 Twp. 24N Rge. 5W Pay Zone: From 7400 To 7500
Casing: OD 5-1/2 WT. 14.5 Set At 7500 Tubing: OD 1-1/4 WT. 3.4 T. Perf. 7400
Produced Through: Casing Tubing X Gas Gravity: Measured 0.97 Estimated
Date of Flow Test: From 6-17-60 To 6-24-60 * Date S.I.P. Measured 6-20-60
Meter Run Size 4 Orifice Size 1.000 Type Chart 1-30 Type Taps, FL

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 (7.00)² x sp. const. 10.00 = _____ psia (g)
Corrected seven day ave. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_f = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 2200 psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) _____ 75 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

Q = 800 X $\left(\frac{V(c)}{V(d)} \right) = \text{_____ MCF/day}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 800 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{_____ MCF/day}$
 $\left[\frac{4,752,725}{1,252,727} \right]^{0.04008} = (0.7027)^{0.04008}$

SUMMARY

P_c = 2217 psia
Q = 800 Mcf/day
P_w = 624 psia
P_d = 1200 psia
D = 446 Mcf/day

Company CONCRETE PIPELINE CORP.
By RAY PHILLIPS RAY PHILLIPS
Title MANAGER
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})	P _i ²
			R ²	(Column 1)
4000	0.000	100.000	50,712	212,040

P_e = 24.02



