

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 Flora Vista Formation Fruitland County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 6-26-57
Operator Northwest Production Corp. Lease Bianco 30-12 Well No. 6-10
Unit 0 Sec. 10 Twp. 30N Rge. 12W Pay Zone: From 1730 To 1732
Casing: OD 4 1/4 WT. 9.5 Set At 2000 Tubing: OD 1 1/2 WT. 2.3 T. Perf. 1758
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .665 Estimated _____
Date of Flow Test: From 5-17-57 To 5-24-57 * Date S.I.P. Measured 3-7-57
Meter Run Size 2" Orifice Size 1.000 Type Chart _____ Type Taps _____

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 415 psig + 12 = 427 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) _____ = 427 psia (i)
Wellhead casing shut-in pressure (Dwt) 680 psig + 12 = 700 psia (j)
Wellhead tubing shut-in pressure (Dwt) 689 psig + 12 = 701 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 701 psia (l)
Flowing Temp. (Meter Run) 99 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 351 psia (n)

Q = 342 (integrated) X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) =$ _____ MCF/da

DELIVERABILITY CALCULATION

D = Q 342 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ 1.2101 = 636 MCF/da.

SUMMARY

P_c = 701 psia
Q = 342 Mcf/day
P_w = 444.1 psia
P_d = 351 psia
D = 636 Mcf/day

Company Northwest Production Corp.
By Ray Phillips RAY PHILLIPS
Title Asst. Mgr. Prod. Ops
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
1204	0.004	178.062	14.957	182.329	197.286	444.1

