

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 Wildcat Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 6-28-57
Operator Northwest Production Corp. Lease Blanco 30-12 Well No. 5-9
Unit P Sec. 9 Twp. 30N Rge. 12W Pay Zone: From 1982 To 1992
Casing: OD 4 1/4 WT. 9.5 Set At 2061 Tubing: OD 1 1/2 WT. 2.3 T. Perf. _____
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .660 Estimated _____
Date of Flow Test: From 5-17-57 To 5-24-57 * Date S.I.P. Measured 3-22-57
Meter Run Size 2" Orifice Size 0.625 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 405 psig + 12 = 417 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) _____ = 417 psia (i)
Wellhead casing shut-in pressure (Dwt) 623 psig + 12 = 635 psia (j)
Wellhead tubing shut-in pressure (Dwt) 624 psig + 12 = 636 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 636 psia (l)
Flowing Temp. (Meter Run) 59 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 318 psia (n)

Q = 115 (integrated) X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) =$ _____ MCF/da

DELIVERABILITY CALCULATION

D = Q 115 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n$ 1.2645 = 145 MCF/da.

SUMMARY

P_c = 636 psia Company Northwest Production Corp.
Q = 115 Mcf/day By Ray Phillips RAY PHILLIPS
P_w = 417.8 psia Title Asst. Mgr. Prod. Ops
P_d = 318 psia Witnessed by _____
D = 145 Mcf/day 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
1294	0.090	8.015	.721	173.839	174.610	417.8

