

3-RMO.CC Artec
1-L. D. Galloway
1-Bill Cutler
1-Wayne Smith
2-File

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 Chozas Mesa Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 2-14-58
Operator PACIFIC NORTHWEST PIPELINE Lease San Juan 28-4 Well No. 6-11
Unit P Sec. 11 Twp. 23N Rge. 4W Pay Zone: From 4224' To 4290'
Casing: OD 5-1/2" WT. 14.0 Set At 6571' Tubing: OD 2-3/8" WT. 7" T. Perf. 5870'
Produced Through: Casing _____ Tubing x x Gas Gravity: Measured .678 Estimated _____
Date of Flow Test: From 1-16-58 To 1-23-58 * Date S.I.P. Measured 11-12-55
Meter Run Size _____ Orifice Size .750 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 _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.65) ² x sp. const. 10 = 585 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 585 psia (i)
Wellhead casing shut-in pressure (Dwt) 960 psig + 12 = 972 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 972 psia (l)
Flowing Temp. (Meter Run) _____ 38 °F + 460 _____ = 498 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 486 psia (n)

Q = 151 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \dots = \dots} \right)^* = \underline{151}$ MCF/da
(integrated) $\sqrt{(d)} = \dots$

DELIVERABILITY CALCULATION

D = Q 151 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{(1.176)^{.85}}{1.148} = \underline{173}$ MCF/da.

SUMMARY

P_c = 972 psia
Q = 151 Mcf/day
P_w = 585 psia
P_d = 486 psia
D = 173 Mcf/day

Company PACIFIC NORTHWEST PIPELINE CORP.
By Original signed by G. H. Peppin
Title District Proration 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



