

EMSCO Artes
1-Bill Cutler
2-Galloway
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 Elmco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 11-24-58
Operator PACIFIC NORTHWEST PIPELINE Lease San Juan 29-5 Well No. 43-82
Unit M Sec. 22 Twp. 29N Rge. 7W Pay Zone: From 5962' To 5518'
Casing: OD 5 1/2" WT. 15.5# Set At 6064' Tubing: OD 2-3/8" WT. 4.7# T. Perf. 6000'
Produced Through: Casing _____ Tubing _____ Gas Gravity: Measured .640 Estimated _____
Date of Flow Test: From 10-15-58 To 10-22-58 Date S.I.P. Measured 6-24-58
Meter Run Size _____ Orifice Size 1.250 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 (7.35) ² x sp. const. 10.00 = 540 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 540 psia (i)
Wellhead casing shut-in pressure (Dwt) 1057 psig + 12 = 1069 psia (j)
Wellhead tubing shut-in pressure (Dwt) 517 * psig + 12 = 529 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1069 psia (l)
Flowing Temp. (Meter Run) 67 °F + 460 _____ = 527 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 534.5 psia (n)

Q = 562 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{ } }{\sqrt{(d)}} = \text{ } } \right) = \text{ } \text{MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION
D = Q 562 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{(1.015)^{.75}}{1.011} = \text{ } \text{MCF/da.}$
857,071
844,348

SUMMARY
P_c = 1069 psia
Q = 562 Mcf/day
P_w = 546 psia
P_d = 534.5 psia
D = 568 Mcf/day
Company PACIFIC NORTHWEST PIPELINE
By Original signed by G. H. Peppin
Title District Production Engineer
Witnessed by _____
Company _____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻⁸)	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>3840</u>	<u>0.244</u>	<u>27.921</u>	<u>6.813</u>	<u>291.600</u>	<u>298.413</u>	<u>546</u>

* Taking logged with fluid.



OK