

3-MDOC Artee
1-L.G. Truby
1-R.C. Fredericks
1-Frank Partridge
1-MRS (Galloway)
1-File

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 Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed 7-23-56
Operator Pacific Northwest Pl. Corp. Lease 29-5 Well No. 5-33X
Unit A Sec. 33 Twp. 29N Rge. 5W Pay Zone: From 5512' To 6080'
Casing: OD 7" WT. 20 Set At 5470 Tubing: OD 2" WT. 4.7 T. Perf. 5969'
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .675
Date of Flow Test: From 7-8-56 To 7-16-56 * Date S.I.P. Measured 7-23-56
Meter Run Size 4" Orifice Size _____ Type Chart RR Type Taps Flange

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 (7.11) ² x sp. const. 10 _____ = 506 psia (g)
Corrected seven day avge, meter press. (P_f) (g) + (e) _____ = 506 psia (h)
P_t = (h) + (f) _____ = 506 psia (i)
Wellhead casing shut-in pressure (Dwt) 1030 psig + 12 = 1042 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1030 psig + 12 = 1042 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1042 psia (l)
Flowing Temp. (Meter Run) 72 °F + 460 _____ = 532 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 521 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 409 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{.75} =$ 405 MCF/day.
 $\frac{814,383}{825,664} \cdot \frac{.9863}{.9897}$

SUMMARY

P_c = 1042 psia
Q = 409 Mcf/day
P_w = 510 psia
P_d = 521 psia
D = 405 Mcf/day

Company Pacific Northwest Pipeline Corporation
By M.B. Richards
Title Well Test 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
4089	.254	14.704	3.755	256.036	259.791	509.7

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