

3-Engine Notes
1-Well Casing
1-L. D. Galloway
1-Meyers Wells
1-Thomas Company
2-File
Initial Delivery
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 Alamosa Formation Mesa Verde County San Juan
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 4/4/58
Operator PACIFIC NORTHWEST PIPELINE Lease San Juan 32-8 Well No. 85-33
Unit B Sec. 33 Twp. 32N Rge. 8W Pay Zone: From 5664' To 6078'
Casing: OD 5-1/2" WT. 15.5# Set At 6090' Tubing: OD 2-3/8" WT. 4.7# T. Perf. 6055'
Produced Through: Casing Tubing XX Gas Gravity: Measured .687 Estimated
Date of Flow Test: From 2/21/58 To 2/28/58 Date S.I.P. Measured 12/3/57
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 (6.55)² x sp. const. 10 = 489 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 489 psia (h)
P_t = (h) + (f) = 489 psia (i)
Wellhead casing shut-in pressure (Dwt) 1033 psig + 12 = 1045 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1032 psig + 12 = 1044 psia (k)
P_c = (j) or (k) whichever well flowed through = 1044 psia (l)
Flowing Temp. (Meter Run) 55 °F + 460 = 515 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 522 psia (n)

Q = 282 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{ }}{\text{ }} = \text{ } \right)^* = \text{ }$ MCF/da
(integrated)

DELIVERABILITY CALCULATION
D = Q 282 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{817,452}{905,895} \frac{(0.9884)}{0.9859} = 187$ MCF/da.

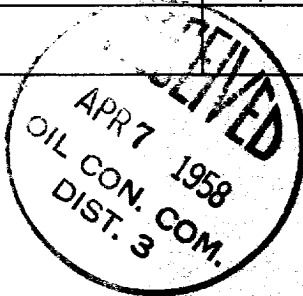
SUMMARY
P_c = 1044 psia
Q = 282 Mcf/day
P_w = 489 psia
P_d = 522 psia
D = 187 Mcf/day

Company PACIFIC NORTHWEST PIPELINE CORP.
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 ^{-S})	(F _c Q) ²	(F _c Q) ² R ²	(1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w



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