

- 3 - MUSE - Acton
1 - L. G. Brady
2 - El Paso Natural Gas
2 - Phillips Petco
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 PACIFIC NORTHWEST PIPELINE CORPORATION Date Test Filed JAN 17 1957

Operator EL PASO NATURAL GAS Lease FWB 5000 Well No. 41
Unit 6 Sec. 36 Twp. 30 Rge. 7 Pay Zone: From 5957 To 6038
Casing: OD 7" WT 20 & 23 1/2 Set At 6105 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5987
Produced Through: Casing Tubing I Gas Gravity: Measured Estimated 690
Date of Flow Test: From 12-9-56 To 12-17-56 * Date S.I.P. Measured 2-10-56
Meter Run Size Orifice Size 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 () ² x sp. const. 477 = 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) 1062 psig + 12 = 1074 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1055 psig + 12 = 1067 psia (k)
P_c = (j) or (k) whichever well flowed through = 1067 psia (l)
Flowing Temp. (Meter Run) 73 °F + 460 = 533 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 534 psia (n)

FLOW RATE CALCULATION

Q = 2073 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{ } \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 2073 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{(1.0790) \cdot 73}{1.0438} = \text{ } \text{ MCF/da.}$
893,333
895,982

SUMMARY

P_c = 1067 psia
Q = 2073 Mcf/day
P_w = 577 psia
P_d = 534 psia
D = 2164 Mcf/day

Company PACIFIC NORTHWEST PIPELINE CORPORATION
By Donald C. Adams
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
<u>3092</u>	<u>.246</u>	<u>379860</u>	<u>93446</u>	<u>332967</u>	<u>332967</u>	<u>577</u>



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