

1- ENDOC Antec.
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2- 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 Manos Formation New York County San Juan
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 2-12-58
Operator PACIFIC MIDCONTINENT PIPELINE Lease San Juan 30-5 Well No. 22-8
Unit I Sec. 8 Twp. 30N Rge. 5W Pay Zone: From 5312' To 5726'
Casing: OD 2-1/2" WT. 14.0 Set At 7750' Tubing: OD 1-1/4" WT. 2.40 T. Perf. 5726'
Produced Through: Casing _____ Tubing xx Gas Gravity: Measured .526 Estimated _____
Date of Flow Test: From 1-16-58 To 1-23-58 * Date S.I.P. Measured 2-25-57
Meter Run Size _____ Orifice Size 1.000 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 = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 1230 psig + 12 = 1242 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1230 psig + 12 = 1242 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1242 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 500 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 621 psia (n)

Q = 691 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{\underline{691}}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 691 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{(0.9735)^{.75}}{0.9801} = \underline{\underline{677}}$ MCF/da.

SUMMARY

P_c = 1242 psia
Q = 691 Mcf/day
P_w = 595 psia
P_d = 621 psia
D = 677 Mcf/day

Company PACIFIC MIDCONTINENT 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 ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column 1)	P _t ² + R ²	P _w
<u>3354</u>	<u>0.816</u>	<u>209,400</u>	<u>62,512</u>	<u>221,642</u>	<u>221,642</u>	<u>595</u>



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