

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 Undesignated Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed January 23, 1956
Operator E. B. Germany Lease Germany-Quilar Well No. 1
Unit C Sec. 26 Twp. 24N Rge. 6W Pay Zone: From _____ To _____
Casing: OD 5 1/2 WT. _____ Set At 2090 Tubing: OD 1 WT. _____ T. Perf. 2000
Produced Through: Casing _____ Tubing 1 Gas Gravity: Measured .665 Estimated _____
Date of Flow Test: From 1/1/56 To 1/9/56 * Date S.I.P. Measured 8/20/55
Meter Run Size 4" Orifice Size _____ Type Chart Sq 14 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 (8.15)² x sp. const. 5.00 _____ = 332 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 332 psia (i)
Wellhead casing shut-in pressure (Dwt) 642 psig + 12 = 674 psia (j)
Wellhead tubing shut-in pressure (Dwt) 642 psig + 12 = 674 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 674 psia (l)
Flowing Temp. (Meter Run) 44 °F + 460 _____ = 504 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 337 psia (n)

Q = 118 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \frac{\sqrt{(d)}}{\sqrt{(d)}}} \right)^* =$ _____ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 118 $\left[\frac{(P_c^2 - P_d^2) = \frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}}{(P_c^2 - P_w^2) = \frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}} \right]^n$ 1 = 118 MCF/day.

SUMMARY

P_c = 674 psia
Q = 118 Mcf/day
P_w = 337 psia
P_d = 337 psia
D = 118 Mcf/day

Company Gelectric, Inc
By H. J. McCarthy H. J. McCarthy
Title Agent
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>1390</u>	<u>.097</u>	<u>35.369</u>	<u>3.431</u>	<u>110.224</u>	<u>113.656</u>	<u>337</u>



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