

Initial Deliverability
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 Blanco Formation W County _____
Purchasing Pipeline KPEC Date Test Filed _____
Operator Blackwood & Nichols Lease EE Blanco Unit Well No. 51-29
Unit 1 Sec. 29 Twp. 31N Rge. 7W Pay Zone: From 5212 To 5604
Casing: OD 5 1/2 WT. _____ Set At 5804 Tubing: OD 2 WT. 4.7 T. Perf. 5604
Produced Through: Casing _____ Tubing 1 Gas Gravity: Measured .595 Estimated _____
Date of Flow Test: From 11-25-57 To 12-3-57 * Date S.I.P. Measured 9-19-57
Meter Run Size _____ Orifice Size 2.00 Type Chart 82 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 (7.05) ² x sp. const. 10 _____ = 497 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 497 psia (i)
Wellhead casing shut-in pressure (Dwt) 1107 psig + 12 = 1119 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1119 psia (l)
Flowing Temp. (Meter Run) 74 °F + 460 _____ = 534 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 560 530 psia (n)

FLOW RATE CALCULATION

Q = 1249 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) =$ _____ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1249 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n$.9715 = 1213 MCF/da.
(.8621)

SUMMARY

P_c = 1119 psia
Q = 1249 Mcf/day
P_w = 526 psia
P_d = 560 psia
D = 1213 Mcf/day

Company Gallatin, Inc.
By D. W. Stiles
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>3334</u>	<u>.215</u>	<u>137,898</u>	<u>29,648</u>	<u>247,009</u>	<u>276,657</u>	<u>526</u>



