

3 - Initial Delivery Test
1 - 1st Delivery
2 - 2nd Delivery
3 - 3rd Delivery
1 - 4th Delivery

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 MESAVERDE Formation MESAVERDE County BLANCO
Purchasing Pipeline BLANCO MESAVERDE PIPELINE CORPORATION Date Test Filed JAN 17 1957
Operator BLANCO MESAVERDE GAS Lease BLANCO MESAVERDE 10-6 Well No. 61-12
Unit 11 Sec. 21 Twp. 20N Rge. 6E Pay Zone: From 1096 To 940
Casing: OD 2 1/2 WT. 24 Set At 1000 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 940
Produced Through: Casing 1 Tubing 1 Gas Gravity: Measured .60 Estimated
Date of Flow Test: From 12-27-56 To 1-3-57 * Date S.I.P. Measured 9-24-56
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: = psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
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. 775 = 797 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 797 psia (i)
P_t = (h) + (f) = 1117 psia (j)
Wellhead casing shut-in pressure (Dwt) 1115 psig + 12 = 1127 psia (k)
Wellhead tubing shut-in pressure (Dwt) 1102 psig + 12 = 1114 psia (l)
P_c = (j) or (k) whichever well flowed through 1117 = 943 °Abs (m)
Flowing Temp. (Meter Run) 82 °F + 460 = 522 psia (n)
P_d = 1/2 P_c = 1/2 (l)

FLOW RATE CALCULATION

$$Q = \frac{2760}{(\text{Integrated})} \times \left(\frac{\sqrt{p_c}}{\sqrt{p_d}} \right) = \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 2760 \text{ MCF/da.}$$

SUMMARY

P_c = 1117 psia
Q = 2760 Mcf/day
P_w = 943 psia
P_d = 943 psia
D = 2760 Mcf/day

Company BLANCO MESAVERDE PIPELINE CORPORATION
By Donald G. Allen
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
3332	.915	2750.2	2523	1117	67807	943

OK



