

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 Mesaverde County San Juan
Purchasing Pipeline Southern Union Gas Co. Date Test Filed _____
Operator Anderson-Prichard Lease Culpepper-Martin Well No. 2
Unit _____ Sec. 7 Twp. 31 Rge. 12 Pay Zone: From 4898 To 4339
Casing: OD 7 WT. 20 Set At 4807 Tubing: OD 2 WT. 4.70 T. Perf. 4807
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .666 Estimated _____
Date of Flow Test: From 10/31 To 11/8 * Date S.I.P. Measured 10/11/57
Meter Run Size 4 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 530 psig + 12 = 542 psia (g)
Square root chart average reading (_____)² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 542 psia (h)
P_t = (h) + (f) _____ = 542 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1063 psig + 12 = 1075 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1075 psia (l)
Flowing Temp. (Meter Run) 78 °F + 460 _____ = 538 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 538 psia (n)

Q = 1102 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{1.000}{1.000}} \right)^* = \underline{1102} MCF/day
(integrated)$

DELIVERABILITY CALCULATION

D = Q 1102 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{1.0237}{(1.0317)} = \underline{1128} MCF/day.$

SUMMARY

P_c = 1075 psia
Q = 1102 Mcf/day
P_w = 562 psia
P_d = 538 psia
D = 1128 Mcf/day

Company Anderson-Prichard
By _____
Title _____
Witnessed by Thurmond McGlothlin
Company Thurmond-McGlothlin

* 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
3201	0.208	107.33	22.325	293.764	316089	562



