

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)

72-178-01
Pool South Blanco Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Schwerdtfeger Well No. 11-A (P)
Unit G Sec. 6 Twp. 27 Rge. 8 Pay Zone: From 2670 To 2712
Casing: OD 7-5/8 WT. 26.4 Set At 4799 Tubing: OD 1-1/4" WT. 2.4 T. Perf. 2678
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 659 Estimated _____
Date of Flow Test: From 7/22/58 To 7/30/58 * Date S.I.P. Measured 4/1/58 (45 days)
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:
(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 (6.55) ² x sp. const. 5 _____ = 215 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 215 psia (h)
P_t = (h) + (f) _____ = 215 psia (i)
Wellhead casing shut-in pressure (Dwt) 818 psig + 12 = 830 psia (j)
Wellhead tubing shut-in pressure (Dwt) 819 psig + 12 = 831 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 831 psia (l)
Flowing Temp. (Meter Run) 74 °F + 460 _____ = 534 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 416 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{840}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 840 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{748}$ MCF/da.
 $\frac{517505}{593012}$ ^{.8726} _{.8908}

SUMMARY

P_c = 831 psia
Q = 840 Mcf/day
P_w = 312 psia
P_d = 416 psia
D = 748 Mcf/day

Company El Paso Natural Gas
By [Signature]
Title _____
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
1765	.120	427.704	51324		46225	97549	312

D at 250 = 815

