

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 South Blanco Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Rincon Unit Well No. 93
Unit P Sec. 11 Twp. 26 Rge. 7 Pay Zone: From 2706 To 2741
Casing: OD 5-1/2 WT. 15.5 Set At 2793 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2694
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .660 Estimated _____
Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 3-8-57 (22 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 (7.15) ² x sp. const. 5 _____ = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 256 psia (h)
P_t = (h) + (f) _____ = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) 831 psig + 12 = 843 psia (j)
Wellhead tubing shut-in pressure (Dwt) 831 psig + 12 = 843 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 843 psia (l)
Flowing Temp. (Meter Run) 55 °F + 460 _____ = 515 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 422 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \frac{\sqrt{(d)}}{\sqrt{(d)}}} \right)^* = \underline{844} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 844 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{.8982}{.9129} = \underline{770} \text{ MCF/da.}$
532,565
592,869

SUMMARY

P_c = 843 psia
Q = 844 Mcf/day
P_w = 343 psia
P_d = 422 psia
D = 770 Mcf/day

Company El Paso Natural Gas
By J. R. Hendrich
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 (1-e ^{-s}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
1778	.121	431.767	52,244	65,536	117,780	343

D at 250 = 840

