

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)

72-283-01

Pool Undesignated Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Canyon Largo Unit Well No. 24
Unit M Sec. 2 Twp. 25 Rge. 6 Pay Zone: From 2794 To 2840
Casing: OD 5-1/2 WT. 15-1/2 Set At 2847 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2802
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 671 Estimated _____
Date of Flow Test: From 11/7/58 To 11/15/58 * Date S.I.P. Measured 7/31/58 (35days)
Meter Run Size _____ Orifice Size 1.000 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 (6.85) ² x sp. const. 5 = 235 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 235 psia (h)
P_t = (h) + (f) = 235 psia (i)
Wellhead casing shut-in pressure (Dwt) 861 psig + 12 = 873 psia (j)
Wellhead tubing shut-in pressure (Dwt) 861 psig + 12 = 873 psia (k)
P_c = (j) or (k) whichever well flowed through = 873 psia (l)
Flowing Temp. (Meter Run) 54 °F + 460 = 514 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 437 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{272} \text{ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 272 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{.8145}{.8400} = \underline{228} \text{ MCF/day}$
 $\left[\frac{571160}{701163} \right]^n$

SUMMARY

P_c = 873 psia
Q = 272 Mcf/day
P_w = 247 psia
P_d = 437 psia
D = 228 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
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
1880	.128	44.850	5.741	55,225	60966	247

D at 250 = 268

OK