

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)

72-112-01

Pool Aztec Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Schram Well No. 1
Unit J Sec. 23 Twp. 30 Rge. 11 Pay Zone: From 2486 To 2534
Casing: OD 5-1/2 WT. 15.50 Set At 2505 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2468
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .638 Estimated _____
Date of Flow Test: From 5/30/58 To 6/9/58 * Date S.I.P. Measured 4/18/58 (11 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 (6.90) ² x sp. const. 5 _____ = 238 ✓ psia (g)
Corrected seven day avge. meter press. (pf) (g) + (e) _____ = 238 ✓ psia (h)
P_t = (h) + (f) _____ = 238 ✓ psia (i)
Wellhead casing shut-in pressure (Dwt) 633 psig + 12 = 645 ✓ psia (j)
Wellhead tubing shut-in pressure (Dwt) 633 psig + 12 = 645 ✓ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 645 ✓ psia (l)
Flowing Temp. (Meter Run) 67 °F + 460 _____ = 527 ✓ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 323 ✓ psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right) = \underline{961}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION
D = Q 961 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{311696}{298923} \cdot (1.0427)^{.85} = \underline{996}$ MCF/da.
299061

SUMMARY

P_c = 645 ✓ psia
Q = 961 ✓ Mcf/day
P_w = 342 ✓ psia
P_d = 323 ✓ psia
D = 996 ✓ Mcf/day

Company El Paso Natural Gas
By Harold 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
1575	.108	559.796	60,458	56,644	117,102	342

D at 250 = 934



