

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - SAN JUAN BASIN**

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL OTHERS
EXCEPT BARKER DONE STORAGE AREA)

70-589

Pool El Paso Natural Gas Formation El Paso County El Paso
Purchasing Pipeline El Paso Natural Gas Date Test Filed 5/30/58
Operator El Paso Natural Gas Lease San Juan 32-2 Well No. 32
Unit L Sec. 9 Twp. 31 Rge. 9 Pay Zone: From 3320 To 3300
Casing: OD 7 WT. 20 Set At 5303 Tubing: OD 4 WT. 4.7 T. Port. 3300
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.90 Estimated _____
Date of Flow Test: From 5/22/58 To 5/30/58 * Date S.I.P. Measured 4/1/58
Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Loss _____

OBSERVED DATA

Flowing casing pressure (Dwt) _____ psig + 12 = _____ (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ (b)
Flowing meter pressure (Dwt) _____ psig + 12 = _____ (c)
Flowing meter pressure (meter reading when Dwt. measurement taken):
Normal chart reading _____ psig + 12 = _____ (d)
Square root chart reading (_____) ² x spring constant _____ = _____ (e)
Meter error (c) - (d) or (d) - (c) _____ ± _____ (f)
Friction loss, Flowing column to meter: _____ = _____ (g)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ = _____ (h)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ (i)
Square root chart average reading (7.15) ² x sp. const. 10 = 511 (j)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 511 (k)
P_t = (h) + (f) _____ = 511 (l)
Wellhead casing shut-in pressure (Dwt) 519 psig + 12 = 511 (m)
Wellhead tubing shut-in pressure (Dwt) 505 psig + 12 = 511 (n)
P_c = (j) or (k) whichever well flowed through _____ = 511 (o)
Flowing Temp. (Meter Run) 71 °F + 460 _____ = 511 (p)
P_d = 1/2 P_c = 1/2 (l) _____ = 511 (q)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)} = \text{_____}}{\sqrt{(d)} = \text{_____}} \right) = \text{_____} \text{ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \times \left[\frac{(P_c^2 - P_d^2) = \text{_____}}{(P_c^2 - P_w^2) = \text{_____}} \right]^n \times \frac{1.0415}{1.0510} = \text{_____} \text{ MCF/day}$$

SUMMARY

P_c = 511 psia
Q = 421 Mcf/day
P_w = 511 psia
P_d = 511 psia
D = 424 Mcf/day

(Corrected Supply)

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kowalek
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 1)	P _t ² + R ²	P _w
			Friction Negligible			

D at 500 = 421

+ Tubing perforated 4/28/58, SIFT used for P_c



