

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

Operator El Paso Natural Gas Lease San Juan 28-7 Well No. 76 (P)
Unit A Sec. 22 Twp. 28 Rge. 7 Pay Zone: From 3492 To 3590
Casing: OD 7-5/8 WT. 26.40 Set At 3639 Tubing: OD 2 WT. 4.7 T. Perf. 5721
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From 12-16-57 To 12-23-57 * Date S.I.P. Measured 8-29-57 (46 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 (7.50) ² x sp. const. 10 _____ = 953 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 953 psia (h)
P_t = (h) + (f) _____ = 953 psia (i)
Wellhead casing shut-in pressure (Dwt) 941 psig + 12 = 953 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 953 psia (l)
Flowing Temp. (Meter Run) 61 °F + 460 _____ = 521 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 477 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(Integrated)} \times \left(\frac{\sqrt{c}}{\sqrt{d}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right) = \text{147 MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \text{ 147 } \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.1512}{1.1271} = \text{166 MCF/day}$$

SUMMARY

P_c = 953 psia
Q = 147 Mcf/day
P_w = 553 psia
P_d = 477 psia
D = 166 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Lewis D. Galloway
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 4)	P _t ² + R ²	P _w
			FRICTION NEGLIGIBLE			

D at 250 = 198

OK



NEW MEXICO OIL CONSERVATION COMMISSION

WELL TEST DATA SHEET - SAN JUAN BASIN

WELL NO. _____ LOCATION _____
EXCESS BAKED BOMB STOCKED AREA

DATE OF TEST _____

TEST TYPE _____

WELL DEPTH _____

WELL TYPE _____

WELL STATUS _____

WELL NO. _____

WELL TYPE _____

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WELL STATUS _____



NO POSTAGE