

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

Operator El Paso Natural Gas Lease Florance Well No. 6-C (P)
Unit L Sec. 30 Twp. 28 Rge. 8 Pay Zone: From 2128 To 2182
Casing: OD 7-5/8 WT. 26.4 Set At 2307 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2159
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .664 Estimated _____
Date of Flow Test: From 5/1/58 To 5/9/58 * Date S.I.P. Measured 9/27/57
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 (7.85)² x sp. const. 5 = 308 ✓ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 308 ✓ psia (h)
P_t = (h) + (f) _____ = 308 ✓ psia (i)
Wellhead casing shut-in pressure (Dwt) 739 psig + 12 = 751 ✓ psia (j)
Wellhead tubing shut-in pressure (Dwt) 739 psig + 12 = 751 ✓ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 751 ✓ psia (l)
Flowing Temp. (Meter Run) 74 °F + 460 _____ = 534 ✓ °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 376 ✓ psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{785} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION
D = Q 785 $\left[\frac{(P_c^2 - P_d^2) = \frac{422,625}{432,157}}{(P_c^2 - P_w^2) = \frac{432,157}{532}} \right]^n \frac{(.9779)^{.85}}{.9812} = \text{770} \text{ MCF/da.}$

SUMMARY
P_c = 751 ✓ psia
Q = 785 ✓ Mcf/day
P_w = 363 ✓ psia
P_d = 376 ✓ psia
D = 770 ✓ Mcf/day
Company El Paso Natural Gas
By Harold S. Hendricks
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
<u>1434</u> ✓	<u>.099</u> ✓	<u>373.533</u>	<u>36,980</u>	<u>94,864</u> ✓	<u>131,844</u>	<u>363</u> ✓

D at 250 = 822

