

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

Operator El Paso Natural Gas Lease Jicarilla Well No. 3-F
Unit E Sec. 21 Twp. 26N Rge. 5W Pay Zone: From 3008 To 3078
Casing: OD 5-1/2 WT. 15.5 Set At 3110 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3051
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .700 Estimated _____
Date of Flow Test: From 5/1 To 5/9/58 * Date S.I.P. Measured 7/10/57
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 (7.80)² x sp. const. 5 _____ = 304 ✓ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 304 ✓ psia (h)
P_t = (h) + (f) _____ = 304 ✓ psia (i)
Wellhead casing shut-in pressure (Dwt) 1022 psig + 12 = 1034 ✓ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1023 psig + 12 = 1035 ✓ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1034 ✓ psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 _____ = 513 ✓ °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 517 ✓ psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{377} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 377 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{801867}{976740} \right]^n \frac{(.8209)^{.65}}{.8455} = \text{319} \text{ MCF/da.}$

SUMMARY

P_c = 1034 ✓ psia
Q = 377 ✓ Mcf/day
P_w = 304 ✓ psia
P_d = 517 ✓ psia
D = 319 ✓ Mcf/day

Company El Paso Natural Gas
By Harold L. 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
			Friction Negligible			

D at 250 = 385

