

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 PC Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Jicarilla Well No. 4-E
Unit J Sec. 18 Twp. 25 Rge. 4 Pay Zone: From 3314 To 3362
Casing: OD 5-1/2 WT. 15.5 Set At 3400 Tubing: OD 2 WT. 4.7 T. Perf. 3272
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .685 Estimated _____
Date of Flow Test: From 1/3/58 To 1/16/58 * Date S.I.P. Measured 8/22/57 (58 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 (10.0) ² x sp. const. 5 _____ = 500 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 500 psia (h)
P_t = (h) + (f) _____ = 500 psia (i)
Wellhead casing shut-in pressure (Dwt) 1026 psig + 12 = 1038 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1026 psig + 12 = 1038 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1038 psia (l)
Flowing Temp. (Meter Run) 67 °F + 460 _____ = 527 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 519 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{2925}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 2925 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{2878}$ MCF/da.
 $\frac{.9810}{.9838}$

SUMMARY

P_c = 1038 psia
Q = 2925 Mcf/day
P_w = 504 psia
P_d = 519 psia
D = 2878 Mcf/day

Company El Paso Natural Gas
By _____
Title Original Signed
Witnessed by Lewis D. Galloway
Company _____

- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	P _t ² (Column i)	P _t ² + R ²	P _w
2270	.152	24.641	3,745	250,000	253,745	504

D at 250 = 3461

