

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 Aztec Formation Pictured Cliffs County San Juan
Purchasing Pipeline _____ Date Test Filed _____
Operator El Paso Natural Gas Lease Feuille Well No. No. 2-A
Unit B Sec. 17 Twp. 29N Rge. 10W Pay Zone: From 2044 To 2096
Casing: OD 5-1/2 WT. 15.5 Set At 2154 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2077
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .669 Estimated _____
Date of Flow Test: From 2/21/58 To 3/1/58 * Date S.I.P. Measured 12-20-57 (10 days)
Meter Run Size _____ Orifice Size 1.750 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 (7.35)² x sp. const. 500 = 270 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 270 psia (h)
P_t = (h) + (f) _____ = 270 psia (i)
Wellhead casing shut-in pressure (Dwt) 637 psig + 12 = 649 psia (j)
Wellhead tubing shut-in pressure (Dwt) 635 psig + 12 = 647 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 647 psia (l)
Flowing Temp. (Meter Run) 63 °F + 460 _____ = 523 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 324 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{1123}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1123 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{(1.1516)^{.85}}{(1.1273)} = \underline{1266}$ MCF/da.

SUMMARY

P_c = 647 psia Company El Paso Natural Gas
Q = 1123 Mcf/day By Original Signed
P_w = 383 psia Title Lewis D. Galloway
P_d = 324 psia Witnessed by _____
D = 1266 Mcf/day Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(FcQ) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
1390	.096	764.412	73.384	72.900	146.284	383

D at 250 = 1135



TO: [illegible]

FROM: [illegible]

SUBJECT: [illegible]

DATE: [illegible]

[illegible text follows]

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