

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 Blanco Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 32-9 Unit Well No. 64
Unit M Sec. 2 Twp. 31 Rge. 9 Pay Zone: From 5610 To 5824
Casing: OD 7-5/8 WT. 26.4 Set At 3586 Tubing: OD 2 WT. 4.7 T. Perf. 5777
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .580 Estimated _____
Date of Flow Test: From 9/7/58 To 9/15/58 * Date S.I.P. Measured 5/16/58
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 (7.05)² x sp. const. 10 = 497 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 497 psia (h)
P_t = (h) + (f) = 497 psia (i)
Wellhead casing shut-in pressure (Dwt) 1032 psig + 12 = 1044 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1034 psig + 12 = 1046 psia (k)
P_c = (j) or (k) whichever well flowed through = 1046 psia (l)
Flowing Temp. (Meter Run) 76 °F + 460 = 536 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 523 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{806} MCF/da
(integrated)$

DELIVERABILITY CALCULATION

D = Q 806 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{820587}{834703} \times \frac{.9830}{.9872} = \underline{796} MCF/da.$

SUMMARY

P_c = 1046 psia
Q = 806 Mcf/day
P_w = 509 psia
P_d = 523 psia
D = 796 Mcf/day

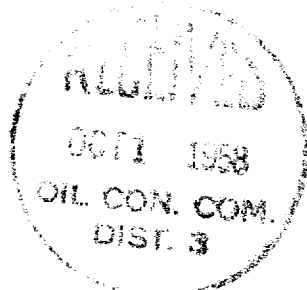
Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
Witnessed by _____
Company _____

* 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>3351</u>	<u>.216</u>	<u>57.426</u>	<u>12,404</u>	<u>247,009</u>	<u>259,413</u>	<u>509</u>

D at 500 = 795



UNITED STATES DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

MEMORANDUM FOR THE DIRECTOR, FBI
FROM: SAC, [illegible]

RE: [illegible]

[illegible]

[illegible]

[illegible]

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