

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 Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Abraham Well No. 1-B
Unit M Sec. 14 Twp. 30 Rge. 6 Pay Zone: From 5290 To 5664
Casing: OD 5-1/2 WT. 15.5 Set At 5731 Tubing: OD 2 WT. 4.7 T. Perf. 5631
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .590 Estimated _____
Date of Flow Test: From 10/23 To 10/31/57 Date S.I.P. Measured 11/1/56
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) 1130 psig + 12 = 1142 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1131 psig + 12 = 1143 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1143 psia (l)
Flowing Temp. (Meter Run) 62 °F + 460 _____ = 522 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 572 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{312}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 312 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{294}$ MCF/da.
.9259 .9439

SUMMARY

P_c = 1143 psia
Q = 312 Mcf/day
P_w = 499 psia
P_d = 572 psia
D = 294 Mcf/day

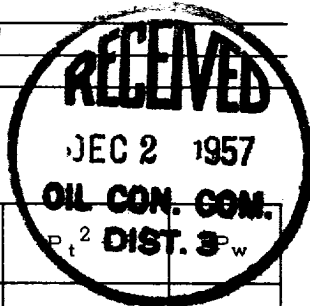
Company El Paso Natural Gas
By _____
Title Original Signed
Witnessed by Lewis D. Galloway
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² DIST. 3	P _w
<u>3322</u>	<u>.215</u>	<u>8.602</u>	<u>1,849</u>		<u>247,009</u>	<u>248,058</u>	<u>499</u>

D at 500 = 309



OK

DO NOT WRITE IN THESE SPACES

