Form C-122-A
Revised April 20, 1955

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)

72-316

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. **3-B**
Unit **N** Sec. **15** Twp. **30** Rge. **6** Pay Zone: From **5188** To **5580**
Casing: OD **7-5/8** WT. **26.4** Set At **3399** Tubing: OD **2** WT. **4.7** T. Perf. **5551**
Produced Through: Casing ____ Tubing **X** Gas Gravity: Measured **670** Estimated ____
Date of Flow Test: From **11/29/58** To **12/7/58** * Date S.I.P. Measured **8/18/58 (53)**
Meter Run Size **4** Orifice Size **1.500** 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 (**6.95**) ^{2} x sp. const. **10** = **483** psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = **483** psia (h)
P_t = (h) + (f) = **483** psia (i)
Wellhead casing shut-in pressure (Dwt) **1064** psig + 12 = **1076** psia (j)
Wellhead tubing shut-in pressure (Dwt) **1071** psig + 12 = **1083** psia (k)
P_c = (j) or (k) whichever well flowed through = **1083** psia (l)
Flowing Temp. (Meter Run) **65** °F + 460 = **525** °Abs (m)
$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l) = **542** psia (n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)$ * = **1336** MCF/da

DELIVERABILITY CALCULATION

D = Q **1336** $\left[\frac{\left(P_c^2 - P_d^2\right) = 879125}{\left(P_c^2 - P_w^2\right) = 902206} \right]^n$ $\frac{.9744}{.9807}$ = **1310** MCF/da.

SUMMARY
P_c = **1083** psia
Q = **1336** Mcf/day
P_w = **520** psia
P_d = **542** psia
D = **1310** 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_cQ)2	(FcQ)^2 (1-e^{-s}) R^2	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3719	.237	157.779	37,394	233,289	270,683	520

D at 500 = 1305

RECEIVED
JAN 5 1959
OIL CON. COM.
DIST. 3