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)

72-138

Pool Blanco Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Schwerdtfeger Well No. 13-A

Unit B Sec. 8 Twp. 27 Rge. 8 Pay Zone: From 5182 To 5332

Casing: OD 5-1/2 WT. 15.5 Set At 5394 Tubing: OD 2 WT. 4.7 T. Perf. 5199

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .732 Estimated ____

Date of Flow Test: From 8/30/58 To 9/7/58 * Date S.I.P. Measured 5/15/58

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 (6.90) ^{2} x sp. const. 10	= 476	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 476	psia	(h)
P_t = (h) + (f)	= 476	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1041	psig + 12 = 1053	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1041	psig + 12 = 1053	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1053	psia	(l)
Flowing Temp. (Meter Run) 82 °F + 460	= 542	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 527	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = 1115 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 831,080}{(P_c^2 - P_w^2) = 855,639} \right]^n \frac{.9713}{.9784} =$ 1091 MCF/da.

SUMMARY

P_c =	1053	psia
Q =	1115	Mcf/day
P_w =	983	psia
P_d =	527	psia
D =	1091	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	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3806	.942	109.893	26,594	226,576	253,170	503

D at 500 = 1081

RECEIVED
OCT 1 1958
OIL CON. COM.
DIST. 3