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)

72-132-01

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 28-5 Well No. 28

Unit H Sec. 17 Twp. 28 Rge. 5 Pay Zone: From 5616 To 5762

Casing: OD 7-5/8 WT. 26.4 Set At 3613 Tubing: OD 2 WT. 4.7 T. Perf. 5719

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .681 Estimated ____

Date of Flow Test: From 6/21/58 To 6/29/58 * Date S.I.P. Measured 5/5/58

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 (7.45)^2 x sp. const. 10	=	555	psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	555	psia (h)
P_t = (h) + (f)	=	555	psia (i)
Wellhead casing shut-in pressure (Dwt) 1076	psig + 12 =	1088	psia (j)
Wellhead tubing shut-in pressure (Dwt) 1076	psig + 12 =	1088	psia (k)
P_c = (j) or (k) whichever well flowed through	=	1088	psia (l)
Flowing Temp. (Meter Run) 70 °F + 460	=	530	°Abs (m)
P_d = ½ P_c = ½ (l)	=	544	psia (n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 646 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{887808}{866606} \right]^{n} \frac{1.0244}{1.0182} = 658 \text{ MCF/da.}$$

SUMMARY

P_c =	1088	psia
Q =	646	Mcf/day
P_w =	563	psia
P_d =	544	psia
D =	658	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
3895	.247	36,893	9,113	308,025	317,138	563

D at 500 = 671