Form C-122-A
Revised April 20, 1955

Initial Deliverability Test

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)

72-527

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease San Juan 29-7 Well No. 75

Unit M Sec. 25 Twp. 29 Rge. 7 Pay Zone: From 4940 To 5288

Casing: OD 5-1/2 WT. 15.5 Set At 5279 Tubing: OD 2 WT. 4.7 T. Perf. 4975

Produced Through: Casing Tubing X Gas Gravity: Measured .680 Estimated

Date of Flow Test: From 12/22/59 To 12/30/59* Date S.I.P. Measured 10/14/59

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 ( )^2 x sp. const. 543	= 522	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) 1098	psig + 12 = 1110	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1098	psig + 12 = 1110	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1110	psia	(l)
Flowing Temp. (Meter Run) 76 °F + 460	= 536	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 555	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 189 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{98h975}{983595} \right]^{n} \frac{1.0007}{1.0005} = 189 \text{ MCF/da.}$$

SUMMARY

P_c =	1110	psia
Q =	189	Mcf/day
P_w =	536	psia
P_d =	555	psia
D =	189	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
3354	.216	3158	682	308485	308707	536

D at 500 = 196

RECEIVED
JAN 27 1960
OIL CON. COM.
DIST. 3