Form C-122-A
Revised April 20, 1955

Initial Deliverability Test

72-450

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 Aztec Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Mims Well No. 1

Unit P Sec. 2 Twp. 29 Rge. 11 Pay Zone: From 2116 To 2144

Casing: OD 5-1/2 WT. 15.5 Set At 2215 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2134

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .654 Estimated ____

Date of Flow Test: From 8/22/59 To 8/30/59 * Date S.I.P. Measured 6/11/59

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 213	psig + 12 =	225	psia	(g)
Square root chart average reading (____)^2 x sp. const.	=	225	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	225	psia	(h)
P_t = (h) + (f)	=	558	psia	(i)
Wellhead casing shut-in pressure (Dwt) 546	psig + 12 =	555	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 543	psig + 12 =	555	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	555	psia	(l)
Flowing Temp. (Meter Run) 69 °F + 460	=	529	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	278	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{\cdot}$ = 379 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{230741}{248994} \right]^n = 379 \left[\frac{\quad}{\quad} \right]^{.9268}_{.9574} = 355$ MCF/da.

SUMMARY

P_c =	555	psia
Q =	379	Mcf/day
P_w =	243	psia
P_d =	278	psia
D =	355	Mcf/day

Company El Paso Natural Gas Company
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	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-S})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1396	.097	87.068	8,446	50625	59071	243

D at 250 = 356

RECEIVED
OCT 30 1959
OIL CON. COM.
DIST.