Form C-122-A
Revised April 20, 1955

Initial Deliverability Test
6608

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 Bianco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Alexander Well No. 90-C

Unit K Sec. 29 Twp. 27 Rge. 3 Pay Zone: From 6330 To 6470

Casing: OD 5 WT. 15 Set At 6366 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6363

Produced Through: Casing Tubing X Gas Gravity: Measured .664 Estimated

Date of Flow Test: From 4/28/61 To 5/6/61 * Date S.I.P. Measured 4/17/61

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 = 511	psia	(g)
Square root chart average reading ( )^2 x sp. const.	= 511	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 511	psia	(h)
P_t = (h) + (f)	= 1109	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1127 1127	psig + 12 = 1109	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	psig + 12 = 1109	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1109	psia	(l)
Flowing Temp. (Meter Run) 61 °F + 460	= 521	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 595	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = 562 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{1059696}{1115121} \right]^n \frac{.9251}{.9633} =$ 530 MCF/da.

SUMMARY

P_c =	1109	psia
Q =	562	Mcf/day
P_w =	518	psia
P_d =	595	psia
D =	530	Mcf/day

El Paso Natural Gas
Company

By Original signed by
Title
Witnessed by H. L. Kendrick
Company

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
1092	0.257	27921	7176	1231121	1238297	518

D at 500 = 562

RECEIVED
JUN 29 1961
OIL CON. COM.
DIST. 3