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)

72-188-01

Pool Blanco Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Bolack Well No. 11-C (M)

Unit K Sec. 28 Twp. 27 Rge. 8 Pay Zone: From 4498 To 4692

Casing: OD 7 5/8 WT. 26.4 Set At 4386 Tubing: OD 2" WT. 4.7 T. Perf. 4593

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .715 Estimated ____

Date of Flow Test: From 7/30/58 To 8/9/58 * Date S.I.P. Measured 3/28/58 (33 days)

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 (70)^2 x sp. const. 10		= 490 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)		= 490 psia	(h)
P_t = (h) + (f)		= 490 psia	(i)
Wellhead casing shut-in pressure (Dwt) ____ psig + 12 = ____ psia			(j)
Wellhead tubing shut-in pressure (Dwt) 1109 psig + 12 = 1121 psia			(k)
P_c = (j) or (k) whichever well flowed through		= 1121 psia	(l)
Flowing Temp. (Meter Run) 74 °F + 460		= 534 °Abs	(m)
P_d = ½ P_c = ½ (l)		= 561 psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = 382 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 941980}{(P_c^2 - P_w^2) = 1013806} \right]^n \frac{.9291^{*75}}{.9463}$ = 361 MCF/da.

SUMMARY

P_c =	1121	psia
Q =	382	Mcf/day
P_w =	493	psia
P_d =	561	psia
D =	361	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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3284	.212	12.902	2,735	240,100	242835	493

D at 500 = 376