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)

72-187-01

Pool: South Blanco Formation: Pictured Cliffs County: San Juan

Purchasing Pipeline: El Paso Natural Gas Date Test Filed: _____

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

Unit: K Sec.: 28 Twp.: 27 Rge.: 8 Pay Zone: From: 2222 To: 2238

Casing: OD 7-5/8 WT. 26.4 Set At 4386 Tubing: OD 1-1/4 WT. 4.7 T. Perf. 2203

Produced Through: Casing _____ Tubing X Gas Gravity: Measured .653 Estimated _____

Date of Flow Test: From 8/7/58 To 8/15/58 * Date S.I.P. Measured 3/10/58 (15 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 (6.6) ^{2} x sp. const.	5	=	218	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)		=	218	psia	(h)
P_t = (h) + (f)		=	218	psia	(i)
Wellhead casing shut-in pressure (Dwt)	808	psig + 12 =	820	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	808	psig + 12 =	820	psia	(k)
P_c = (j) or (k) whichever well flowed through		=	820	psia	(l)
Flowing Temp. (Meter Run)	72 °F + 460	=	532	°Abs	(m)
P_d = ½ P_c = ½ (l)		=	410	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = 197 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\ 197 \left[\frac{P_c^2 - P_d^2 = 504300}{P_c^2 - P_w^2 = 622547} \right]^{n\ .8100^{*85}/.8360} = 165 \text{ MCF/da.}$$

SUMMARY

P_c =	820	psia
Q =	197	Mcf/day
P_w =	223	psia
P_d =	410	psia
D =	165	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	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1439	.099	23,523	2329	47524	49853	223

D at 250 = 191