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)

Pool Blanco Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Lease Storey Well No. 3-B

Unit N Sec. 5 Twp. 30 Rge. 11 Pay Zone: From 4480 To 4600

Casing: OD 5½ WT. 15.5 Set At 4678 Tubing: OD 2 WT. 4.7 T. Perf. 4529

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

Date of Flow Test: From 2/28 To 3/9/57 * Date S.I.P. Measured 8/2/56

Meter Run Size ____ Orifice Size 1.250 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 (7.25)² x sp. const. 1000	=	526	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	526	psia	(h)
P_t = (h) + (f)	=	526	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1077	psig + 12 =	1089	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1075	psig + 12 =	1087	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1087	psia	(l)
Flowing Temp. (Meter Run) 62 °F + 460	=	522	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	544	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^{*}$ = 545 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ = 545 $\left[\frac{885,633}{899,616} \right]^{.9844}_{.9883}$ = 539 MCF/da.

SUMMARY

P_c =	1087	psia
Q =	545	Mcf/day
P_w =	531	psia
P_d =	544	psia
D =	539	Mcf/day

Company El Paso Natural Gas Company

By Original Signed

Title

Witnessed by Lewis D. Galloway

Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2 (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3080	.201	26.255	5,277	276,676	281,953	531

D @ 500 = 552

OIL CON. COM.
DIST. 3