Form C-122-A
Revised April 20, 1956

Initial Deliverability Test

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 Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Lease Ripley Well No. 3

Unit A Sec. 24 Twp. 27N Rge. 7W Pay Zone: From 5384 To 5518

Casing: OD 5-1/2 WT. 15.5 Set At 5580 Tubing: OD 2 WT. 4.7 T. Perf. 5501

Produced Through: Casing Tubing X Gas Gravity: Measured .705 Estimated

Date of Flow Test: From 10/8/57 To 10/16/57 * Date S.I.P. Measured 9/28/57 (10 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 (7.85) ^{2} x sp. const. 10	=	616	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	616	psia	(h)
P_t = (h) + (f)	=	616	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1121	psig + 12 =	1133	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1104	psig + 12 =	1116	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1116	psia	(l)
Flowing Temp. (Meter Run) 58 °F + 460	=	518	°Abs.	(m)
P_d = ½ P_c = ½ (l)	=	558	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^n$ = 578 MCF/da

DELIVERABILITY CALCULATION

D = Q 578 $\left[\frac{(P_c^2 - P_d^2) = 934{,}092}{(P_c^2 - P_w^2) = 868{,}895} \right]^n$ $\frac{1.0825}{1.0613}$ = 401 MCF/da.

SUMMARY

P_c =	1116	psia
Q =	578	Mcf/day
P_w =	619	psia
P_d =	558	psia
D =	401	Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Lewis D. Galloway
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
3878	.246	12631	3107	379,456	382,563	619

D at 500 = 416

RECEIVED
OCT 29 1957
OIL CON. COM
DIST. 3