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 Jones Well No. 4-A

Unit B Sec. 13 Twp. 28N Rge. 8W Pay Zone: From 4696 To 5313

Casing: OD 5½ WT. 15.50 Set At 5360 Tubing: OD 2" WT. 4.7 T. Perf. 5262

Produced Through: Casing Tubing X Gas Gravity: Measured .710 Estimated

Date of Flow Test: From 6/22 To 6/30 * Date S.I.P. Measured 5/2/56

Meter Run Size 4 Orifice Size Type Chart Sq. Rt. Type Taps Flange

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 (7.40) ^{2} x sp. const. 10	= 548	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 548	psia	(h)
P_t = (h) + (f)	= 548	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1060	psig + 12 = 1072	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1050	psig + 12 = 1062	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1062	psia	(l)
Flowing Temp. (Meter Run) 82 °F + 460	= 542	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 531	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^*$ = 1227 MCF/da

DELIVERABILITY CALCULATION

D = Q 1227 $\left[\frac{(P_c^2 - P_d^2) = 845,883}{(P_c^2 - P_w^2) = 795,867} \right]^n$ $\frac{1.0628}{1.0568}$ = 1284 MCF/da.

SUMMARY

P_c =	1062	psia
Q =	1227	Mcf/day
P_w =	576	psia
P_d =	531	psia
D =	1284	Mcf/day

Company El Paso Natural Gas Company
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	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3736	.238	133.079	31,673	[illegible]	331,977	576

D @ 500 = 1269

RECEIVED
JUL 23 1956
OIL CON. COM.
DIST. 3

OBSERVED DATA

FLOW RATE CALCULATION

DELIVERABILITY CALCULATION

SUMMARY

OIL CONSERVATION COMMISSION
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