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 Dakota Formation Dakota County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Company Lease Allison Unit Well No. 9

Unit G Sec. 13 Twp. 32 Rge. 7 Pay Zone: From 7857 To 7980

Casing: OD 7" WT. 26 & 23 Set At 7857 Tubing: OD 2" WT. 4.7 T. Perf. 7887

Produced Through: Casing ____ Tubing X Gas Gravity: Measured ____ Estimated .600

Date of Flow Test: From 4-30-56 To 5-8-56 * Date S.I.P. Measured 8-30-54 55

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 =	526 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) 2897	____ psig + 12 =	2909 psia	(j)
Wellhead tubing shut-in pressure (Dwt) 2869	____ psig + 12 =	2881 psia	(k)
P_c = (j) or (k) whichever well flowed through	=	2881 psia	(l)
Flowing Temp. (Meter Run) 81 °F + 460	=	____ °Abs	(m)
P_d = ½ P_c = ½ (l)	=	1441 psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = 1715 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ = 1715 $\left[\frac{6,223,680}{7,947,830} \right]^{.7831}_{.8324}$ = 1488 MCF/da.

SUMMARY

P_c = 2881 psia
Q = 1715 Mcf/day
P_w = 594 psia
P_d = 1441 psia
D = 1488 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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
4732	.291	259.983	75,655	276,676	352,331	594

D @ 500 = 1717

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