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 Mesa Verde Formation: Mesa Verde County: Rio Arriba

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

Operator: El Paso Natural Gas Lease: San Juan 28-5 Well No.: 7

Unit: K Sec. 8 Twp. 28N Rge. 5W Pay Zone: From 5220 To 5760

Casing: OD 7 WT. 23 Set At 5172 Tubing: OD 2 WT. 4.7 T. Perf. 5594

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

Date of Flow Test: From 5/31 To 6/3 * Date S.I.P. Measured 6/3/55

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 (7.15)^2 x sp. const. 1000	=	511	psia	(g)
Corrected seven day avge. meter press. (p$_f$) (g) + (e)	=	511	psia	(h)
P_t = (h) + (f)	=	511	psia	(i)
Wellhead casing shut-in pressure (Dwt) 978	psig + 12 =	990	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1048	psig + 12 =	1060	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1060	psia	(l)
Flowing Temp. (Meter Run) 66 °F + 460	=		°Abs	(m)
P_d = ½ P_c = ½ (l)	=	530	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{308} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = ___ = ___ \right)^{*} = ___ \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\ 308 \left[\frac{P_c^2 - P_d^2 = 842{,}700}{P_c^2 - P_w^2 = 860{,}357} \right]^{n} \frac{.9795}{.9846} = 303 \text{ MCF/da.}$$

SUMMARY

P_c =	1060	psia
Q =	308	Mcf/day
P_w =	513	psia
P_d =	530	psia
D =	303	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	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4014	.253	8.387	2,122	261,121	263,243	513

D @ 500 = 308

RECEIVED
JUN 29 1956
OIL CON. COM.
DIST. 3

OIL CONSERVATION COMMISSION

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