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 Ballard Formation Pictured Cliffs County San Juan

Purchasing Pipeline _____ Date Test Filed _____

Operator El Paso Natural Gas Lease Huerfano Well No. 98

Unit P Sec. 16 Twp. 26N Rge. 9W Pay Zone: From 1996 To 2034

Casing: OD 5-1/2 WT. 15.5 Set At 2090 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 1996

Produced Through: Casing X Tubing _____ Gas Gravity: Measured .664 Estimated _____

Date of Flow Test: From 2/21/58 To 3/1/58 * Date S.I.P. Measured 12-26-57 (13 days)

Meter Run Size _____ Orifice Size 1.500 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 (7.35)^2 x sp. const. 500	=	270	psia	(g)
Corrected seven day avge. meter press. (P_f) (g) + (e)	=	270	psia	(h)
P_t = (h) + (f)	=	270	psia	(i)
Wellhead casing shut-in pressure (Dwt) 567	psig + 12 =	579	psia	(j)
Wellhead tubing shut-in pressure (Dwt) _____	psig + 12 =	579	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	579	psia	(l)
Flowing Temp. (Meter Run) 57 °F + 460	=	517	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	290	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{_____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \text{_____} = \text{_____} \right)^{*} = 999 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \, 999 \left[\frac{P_c^2 - P_d^2 = 251141}{P_c^2 - P_w^2 = 262341} \right]^{n} \frac{(.9573)^{.85}}{(.9636)} = 963 \text{ MCF/da.}$$

SUMMARY

P_c =	579 psia	Company	El Paso Natural Gas
Q =	999 Mcf/day	By	Original Signed
P_w =	270 psia	Title	Lewis D. Galloway
P_d =	290 psia	Witnessed by	
D =	963 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1325	.092	1.578	Negligible			

D at 250 = 1013

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