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 Pictured Cliff Formation Pictured Cliff County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Company Lease Huerfano Well No. 49

Unit H Sec. 5 Twp. 26N Rge. 9W Pay Zone: From 2247 To 2310

Casing: OD 7" WT. 20# Set At 2247 Tubing: OD 1¼ WT. 2.3# T. Perf. 2214

Produced Through: Casing X Tubing Gas Gravity: Measured Estimated .670

Date of Flow Test: From 4-30-56 To 5-8-56 * Date S.I.P. Measured 2-29-56

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 (7.50) ^{2} x sp. const. 500	=	281	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	281	psia	(h)
P_t = (h) + (f)	=	281	psia	(i)
Wellhead casing shut-in pressure (Dwt) 651	psig + 12 =	663	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 651	psig + 12 =	663	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	663	psia	(l)
Flowing Temp. (Meter Run) 63 °F + 460	=		°Abs	(m)
P_d = ½ P_c = ½ (l)	=	332	psia	(n)

FLOW RATE CALCULATION

$Q =$ _____ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^{*} =$ 109 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 109 $\left[\frac{329,345}{360,608} \right]^{.9133}_{.9258} =$ 101 MCF/da.

SUMMARY

P_c =	663 psia	Company	El Paso Natural Gas Company
Q =	109 Mcf/day	By	Lewis D. Galloway
P_w =	281 psia	Title	
P_d =	332 psia	Witnessed by	
D =	101 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2 (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction Negligible			

D @ 250 = 112

OK

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