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)

South Blanco

Pool Wildcat Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Jicarilla Well No. 3-E

Unit N Sec. 18 Twp. 25 Rge. 4 Pay Zone: From 3251 To 3310

Casing: OD 5-1/2 WT. 15.5 Set At 3340 Tubing: OD 2 WT. 4.7 T. Perf. 3185

Produced Through: Casing X Tubing Gas Gravity: Measured .685 Estimated

Date of Flow Test: From 12-16-57 To 12-24-57* Date S.I.P. Measured 8-9-56

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 (7.40) ^{2} x sp. const. 5	=	274	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	274	psia	(h)
P_t = (h) + (f)	=	274	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1035	psig + 12 =	1047	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1034	psig + 12 =	1046	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1047	psia	(l)
Flowing Temp. (Meter Run) 65 °F + 460	=	525	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	524	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^*$ = 4193 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ = 4193 $\left[\frac{821,633}{1,013,537} \right]^{.8106/.8365}$ = 3507 MCF/da.

SUMMARY

P_c =	1047	psia	
Q =	4193	Mcf/day	
P_w =	288	psia	
P_d =	524	psia	
D =	3507 ~~4343~~	Mcf/day	

Company El Paso Natural Gas

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	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
2227	.150	50.637	7,596	75,076	82,672	288

D at 250 = 4215

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