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 Formation Mesa Verde County Rio Arriba

Purchasing Pipeline Pacific Northwest Date Test Filed

Operator El Paso Natural Gas Lease San Juan 27-5 Unit Well No. 18-36 (M)

Unit K Sec. 36 Twp. 27 Rge. 5 Pay Zone: From 5162 To 5798

Casing: OD 5 1/2 WT. 15.5 Set At 5860 Tubing: OD 2 WT. 4.7 T. Perf. 5726

Produced Through: Casing ____ Tubing X Gas Gravity: Measured ____ Estimated .650

Date of Flow Test: From 5/3 To 5/11/57 * Date S.I.P. Measured 10/26/56 (7 days)

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 535 psig + 12 = 547 psia			(g)
Square root chart average reading (____)^2 x sp. const. ____ = ____ psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 547 psia			(h)
P_t = (h) + (f) = 547 psia			(i)
Wellhead casing shut-in pressure (Dwt) ____ psig + 12 = ____ psia			(j)
Wellhead tubing shut-in pressure (Dwt) 1086 psig + 12 = 1098 psia			(k)
P_c = (j) or (k) whichever well flowed through = 1098 psia			(l)
Flowing Temp. (Meter Run) ____ °F + 460 = ____ °Abs			(m)
P_d = ½ P_c = ½ (l) = 549 psia			(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^{*} = 303 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{904,203}{904,471} \right]^{n} = 303 \text{ MCF/da.}$$

n = 0.9997 / 0.9998

SUMMARY

P_c = 1098	psia	Company	El Paso Natural Gas
Q = 303	Mcf/day	By	Original Signed
P_w = 549	psia	Title	Lewis D. Galloway
P_d = 549	psia	Witnessed by	
D = 303	Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3722	.257	8.117	1,924	299,209	301,133	549

D at 500 = 312

RECEIVED
MAY 57
OIL CON. COM.
DIST. 3