Form C-122-A

Revised April 20, 1955

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

72-212

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA EXCEPT BARKER DOME STORAGE AREA)

Pool South Blanco Formation Pictured Cliff County Rio Arriba

Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed

Operator El Paso Natural Gas Company Lease San Juan 28-6 Well No. 83

Unit O Sec. 14 Twp. 27 Rge. 6 Pay Zone: From 3318 To 3366

Casing: OD 5-1/2 WT. 15-1/2 Set At 3395 Tubing: OD 1-1/4" WT. 2.3 T. Perf. 3335

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .643 Estimated ____

Date of Flow Test: From 10-15 To 10-22-58 * Date S.I.P. Measured 6-20-58 (10)

Meter Run Size ____ Orifice Size 1.000 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 (6.85)^2 x sp. const. 5	= 235	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 235	psia	(h)
P_t = (h) + (f)	= 235	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1096	psig + 12 = 1108	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1096	psig + 12 = 1108	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1108	psia	(l)
Flowing Temp. (Meter Run) 60 °F + 460	= 520	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 554	psia	(n)

FLOW RATE CALCULATION

$Q =$ ____ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^* =$ 289 MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{920748}{1165149} \right]^n = 289 \left[\frac{.7902}{.8190} \right] = 237 \text{ MCF/da.}$$

SUMMARY

P_c =	1108	psia
Q =	289	Mcf/day
P_w =	250	psia
P_d =	554	psia
D =	237	Mcf/day

Company EL PASO NATURAL GAS COMPANY

By Original Signed

Title Harold L. Kendrick

Witnessed by ____

Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
2144	.144	50.623	7,290	55,225	62,515	250

D250 = 286

RECEIVED
NOV 12 1958
OIL CON. COM.
DIST. 3