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 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 Rineon Well No. 104

Unit E Sec. 16 Twp. 27 Rge. 6 Pay Zone: From 3314 To 3364

Casing: OD 5-1/2 WT. 15-1/2 Set At 3420 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3350

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .725 Estimated ____

Date of Flow Test: From 10-15 To 10-22-58 * Date S.I.P. Measured 6-17-58 (44)

Meter Run Size ____ Orifice Size 1.250 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 (6.80)^2 x sp. const. 5 = 231	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 231	psia	(h)
P_t = (h) + (f) = 231	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1076 psig + 12 = 1088	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1074 psig + 12 = 1086	psia	(k)
P_c = (j) or (k) whichever well flowed through = 1086	psia	(l)
Flowing Temp. (Meter Run) 58 °F + 460 = 518	°Abs	(m)
P_d = ½ P_c = ½ (l) = 543	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = 396 MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{\left(P_c^2 - P_d^2\right) = 884547}{\left(P_c^2 - P_w^2\right) = 1110636} \right]^n \frac{.7964}{.8242} = 326 \text{ MCF/da.}$$

SUMMARY

P_c = 1086	psia	
Q = 396	Mcf/day	Company EL PASO NATURAL GAS COMPANY
P_w = 262	psia	By Original Signed
P_d = 543	psia	Title Harold L. Kendrick
D = 326	Mcf/day	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
2429	.162	95.063	15,400	53,361	68,761	262

D250 = 391

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