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)

74-711-01

Pool South Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Johnston State Well No. 5

Unit O Sec. 36 Twp. 26 Rge. 6 Pay Zone: From 2602 To 2658

Casing: OD 5-1/2 WT. 15-1/2 Set At 2673 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2599

Produced Through: Casing ____ Tubing X Gas Gravity: Measured 669 Estimated ____

Date of Flow Test: From 11/7/58 To 11/15/58 * Date S.I.P. Measured 7/23/58 (11 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	____ psig + 12 =	____	psia	(g)
Square root chart average reading (6.90)^2 x sp. const. 5	=	238	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	238	psia	(h)
P_t = (h) + (f)	=	238	psia	(i)
Wellhead casing shut-in pressure (Dwt) 865	psig + 12 =	877	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 866	psig + 12 =	878	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	878	psia	(l)
Flowing Temp. (Meter Run) 57 °F + 460	=	517	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	439	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = 514 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 578163}{(P_c^2 - P_w^2) = 695182} \right]^n = 514 \left[\frac{8316}{8549} \right] = 439$ MCF/da.

SUMMARY

P_c =	878	psia	
Q =	514	Mcf/day	
P_w =	275	psia	
P_d =	439	psia	
D =	439	Mcf/day	

Company El Paso Natural Gas

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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2}{R^2}(1-e^{-s})$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
1739	0.119	160.149	19.058	56644	75702	275

D at 250 = 507

RECEIVED
DEC 8 1958
OIL CON. COM.
DIST. 3