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)

72-080-01

Pool Aztec Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease McCulley Well No. 2 (P)

Unit L Sec. 14 Twp. 28N Rge. 9W Pay Zone: From 2244 To 2302

Casing: OD 7-5/8 WT. 26.4 Set At 2417 Tubing: OD 2" WT. 4.7 T. Perf. 4580

Produced Through: Casing X Tubing Gas Gravity: Measured .651 Estimated

Date of Flow Test: From 8/22/58 To 8/30/58 * Date S.I.P. Measured 9/14/58 (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	psig + 12 =		psia	(g)
Square root chart average reading (7.00) ^{2} x sp. const. .500	=	245	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	245	psia	(h)
P_t = (h) + (f)	=	245	psia	(i)
Wellhead casing shut-in pressure (Dwt) 536	psig + 12 =	548	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 536	psig + 12 =	548	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	548	psia	(l)
Flowing Temp. (Meter Run) 75 °F + 460	=	535	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	274	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^n$ = 991 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{225228}{240279} \right]^n$ .9373/.9464 = 938 MCF/da.

SUMMARY

P_c =	548	psia	
Q =	991	Mcf/day	
P_w =	245	psia	
P_d =	274	psia	
D =	938	Mcf/day	

Company El Paso Natural Gas
By (Original Signed Harold L. Kendrick)
Title
Witnessed by
Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(F_cQ)^2}{R^2}$ $(1-e^{-S})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction Negligible			

D at 250 = 961

RECEIVED
OCT 1 1958
OIL CON. COM.
DIST. 3