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)

71-863-01

Pool South Blanco Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Schwerdtfeger Well No. 10-A (P)

Unit ~~I~~ M Sec. 31 Twp. 28 Rge. 8 Pay Zone: From 2116 To 2170

Casing: OD 7-5/8 WT. 26 Set At 2267 Tubing: OD 1-1/4 WT. 2.6 T. Perf. 2296

Produced Through: Casing X Tubing Gas Gravity: Measured .664 Estimated

Date of Flow Test: From 4/21/58 To 4/29/58 * Date S.I.P. Measured 9/27/57

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 (5.6) ^{2} x sp. const. 10	= 314	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 314	psia	(h)
P_t = (h) + (f)	= 314	psia	(i)
Wellhead casing shut-in pressure (Dwt) 798	psig + 12 = 810	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 798	psig + 12 = 810	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 810	psia	(l)
Flowing Temp. (Meter Run) 72 °F + 460	= 532	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 405	psia	(n)

FLOW RATE CALCULATION

$$Q = \underline{\quad}_{\text{(integrated)}} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 630 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{492075}{557504} \right]^{n} \frac{.8826}{.8992} = 566 \text{ MCF/da.}$$

SUMMARY

P_c =	810	psia
Q =	630	Mcf/day
P_w =	314	psia
P_d =	405	psia
D =	566	Mcf/day

Company EL PASO NATURAL GAS
By Harold L. Kendrick
Title
Witnessed by
Company

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

D at 250 = 659

RECEIVED
JUL 7 1958
OIL CON. COM.
DIST. 3