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 Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Jicarilla Well No. 11-J

Unit H Sec. 18 Twp. 26 Rge. 5 Pay Zone: From 3177 To 3351

Casing: OD 5-1/2 WT. 15.5 Set At 3299 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3219

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .705 Estimated ____

Date of Flow Test: From 1-23 To 1-31-58 * Date S.I.P. Measured 12-24-57 (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 (8.45)^2 x sp. const. 5	=	357	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	357	psia	(h)
P_t = (h) + (f)	=	357	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1043	psig + 12 =	1055	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1045	psig + 12 =	1057	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1057	psia	(l)
Flowing Temp. (Meter Run) 53 °F + 460	=	513	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	529	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = 408 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{837,408}{974,463} \right]^n \frac{.8593}{.8792}$ = 359 MCF/da.

SUMMARY

P_c =	1057	psia	
Q =	408	Mcf/day	
P_w =	378	psia	
P_d =	529	psia	
D =	359	Mcf/day	

Company El Paso Natural Gas

By Original Signed

Title ____

Witnessed by Lewis D. Galloway

Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
2269	.152	100.902	15,337	127,449	142,786	378

D at 250 = 428

RECEIVED
FEB 17 1958
OIL CON. COM.
DIST. 3