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)

74-699-01

Pool South Blanco Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Jicarilla Well No. 6-Q

Unit C Sec. 24 Twp. 26 Rge. 5 Pay Zone: From 3232 To 3246

Casing: OD 5-1/2 WT. 15.5 Set At 3301 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3218

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .667 Estimated ____

Date of Flow Test: From 11/29/58 To 12/7/58 * Date S.I.P. Measured 7/31/58

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 (6.95)^2 x sp. const. 5		= 242 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)		= 242 psia	(h)
P_t = (h) + (f)		= 242 psia	(i)
Wellhead casing shut-in pressure (Dwt) 1051 psig + 12 = 1063 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 1052 psig + 12 = 1064 psia			(k)
P_c = (j) or (k) whichever well flowed through		= 1064 psia	(l)
Flowing Temp. (Meter Run) 56 °F + 460		= 516 °Abs	(m)
P_d = ½ P_c = ½ (l)		= 532 psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = 417 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{849,972}{1058353} \right]^n$ $\frac{.8022}{.8290}$ = 346 MCF/da.

SUMMARY

P_c = 1064 psia
Q = 417 Mcf/day
P_w = 272 psia
P_d = 532 psia
D = 346 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	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
2146	.144	105.411	15,179	58,564	73,743	272

D at 250 = 414

OK

RECEIVED
JAN 7 1959
OIL CON. COM.
DIST. 3