Form C-122-A
Revised April 20, 1955

INITIAL

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 Basin Dakota Formation Dakota County San Juan

Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed ______

Operator Tenneco Lease Watson Well No. 2

Unit K Sec. 22 Twp. 27 N Rge. 12 W Pay Zone: From 5941 To 5951

Casing: OD 4½ WT. ______ Set At 6040 Tubing: OD 2 WT. ______ T. Perf. 5911

Produced Through: Casing ______ Tubing ______ Gas Gravity: Measured .674 Estimated ______

Date of Flow Test: From 12-23 To 12-31 * Date S.I.P. Measured 11-18-62

Meter Run Size 4" Orifice Size 1.250 Type Chart S R Type Taps Flange

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 10	=		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.	=	490	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	490	psia	(h)
P_t = (h) + (f)	=	490	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1042	psig + 12 =	1054	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1042	psig + 12 =	1054	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1054	psia	(l)
Flowing Temp. (Meter Run) 34 °F + 460	=	494	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	527	psia	(n)

FLOW RATE CALCULATION

Q = ______ (integrated) X ($\sqrt{(c)}$ / $\sqrt{(d)}$ = ______ = ______) * = ______ MCF/da

DELIVERABILITY CALCULATION

D = Q 60 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = \frac{833,187}{870,816}$ (.9568) .9674 = 58 MCF/da.

SUMMARY

P_c = 1054 psia
Q = 60 Mcf/day
P_w = 490 psia
P_d = 527 psia
D = 58 Mcf/day

Company GeoLectric, Inc.
By [signature]
Title Agent
Witnessed by ______
Company ______

RECEIVED JAN 31 1963 OIL CON. COM. DIST. 3

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e^{-S})	(F_cQ)2	$(F_cQ)^2 (1-e^{-S}) / R^2$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3984	.251	.318	Negligible .080			