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)

Si. Blanc

Pool __Wildcat__ Formation __Pictured Cliff__ County __Rio Arriba__

Purchasing Pipeline __El Paso Natural Gas__ Date Test Filed _____

Operator __El Paso Natural Gas__ Lease __Jicarilla__ Well No. __1-G__

Unit __M__ Sec. __23__ Twp. __26__ Rge. __5__ Pay Zone: From __3026__ To __3087__

Casing: OD __5-1/2__ WT. __15.5__ Set At __3121__ Tubing: OD __1-1/4__ WT. __2.3__ T. Perf. __3050__

Produced Through: Casing __X__ Tubing ____ Gas Gravity: Measured __.690__ Estimated ____

Date of Flow Test: From __8/23__ To __8/31__ *Date S.I.P. Measured __3/14/57__

Meter Run Size __4__ Orifice Size __1.5__ Type Chart __Sq. Rt.__ 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 _____ = _____ 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 (__7.80__) ^{2} x sp. const. __5__ = __304__ psia (g)

Corrected seven day avge. meter press. (p_f) (g) + (e) = __304__ psia (h)

P_t = (h) + (f) = __304__ psia (i)

Wellhead casing shut-in pressure (Dwt) __998__ psig + 12 = __1010__ psia (j)

Wellhead tubing shut-in pressure (Dwt) __998__ psig + 12 = __1010__ psia (k)

P_c = (j) or (k) whichever well flowed through = __1010__ psia (l)

Flowing Temp. (Meter Run) __60__ °F + 460 = __520__ °Abs (m)

P_d = ½ P_c = ½ (l) = __505__ psia (n)

FLOW RATE CALCULATION

$$Q = \underline{\hspace{3cm}} \times \left(\frac{\sqrt{(c)} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}}{\sqrt{(d)} \quad \underline{\hspace{2cm}}} \right)^{*} = \underline{694} \text{ MCF/da}$$

(integrated)

DELIVERABILITY CALCULATION

$$D = Q \underline{694} \left[\frac{P_c^2 - P_d^2 = \underline{765,075}}{P_c^2 - P_w^2 = \underline{927,684}} \right]^n \frac{.8247}{.8490} = \underline{589} \text{ MCF/da.}$$

SUMMARY

P_c = __1010__ psia

Q = __694__ Mcf/day

P_w = __304__ psia

P_d = __505__ psia

D = __589__ Mcf/day

Company __El Paso Natural Gas__

By __Original Signed__

Title __Lewis D. Galloway__

Witnessed by _____

Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

D at 250 = 709