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____**Fulcher Kutz**____Formation____**Pictured Cliff**____County____**San Juan**____

Purchasing Pipeline____**El Paso Natural Gas Company**____Date Test Filed____

Operator____**El Paso Natural Gas**____Lease____**White-Kutz**____Well No.____**2**____

Unit____**B**____Sec.____**21**____Twp.____**29**____Rge.____**10**____Pay Zone: From____**1957**____To____**1983**____

Casing: OD____**5½**____WT.____**14**____Set At____**1957**____Tubing: OD____**1**____WT.____**1.7**____T. Perf.____**1941**____

Produced Through: Casing____**X**____Tubing____Gas Gravity: Measured____**.665**____Estimated____

Date of Flow Test: From____**5/31**____To____**6/8**____*Date S.I.P. Measured____

Meter Run Size____**4**____Orifice Size____Type Chart____**Am. Bk.**____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 (__**7.30**__)^2 x sp. const.__**.500**__ =__**269**__psia (g)

Corrected seven day avge. meter press. (p$_f$) (g) + (e) =__**269**__psia (h)

P_t = (h) + (f) =__**269**__psia (i)

Wellhead casing shut-in pressure (Dwt)__**573**__psig + 12 =__**585**__psia (j)

Wellhead tubing shut-in pressure (Dwt)____psig + 12 =____psia (k)

P_c = (j) or (k) whichever well flowed through =__**585**__psia (l)

Flowing Temp. (Meter Run) __**63**__°F + 460 =____°Abs (m)

P_d = ½ P_c = ½ (l) =__**293**__psia (n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{_____} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = _____ = _____ \right)^* = \underset{\text{MCF/da}}{\textbf{248}}$$

DELIVERABILITY CALCULATION

$$D = Q\,\textbf{248} \left[\frac{(P_c^2 - P_d^2) = \textbf{256,376}}{(P_c^2 - P_w^2) = \textbf{278,721}} \right]^n \,\textbf{.9190} / \textbf{.9315} = \textbf{231} \text{ MCF/da.}$$

SUMMARY

P_c =__**585**__psia

Q =__**248**__Mcf/day

P_w =__**858**__psia

P_d =__**293**__psia

D =__**231**__Mcf/day

* This is date of completion test.

* Meter error correction factor

Company____**El Paso Natural Gas Company**____

By____

Title____Original Signed____

Witnessed by____Lewis D. Galloway____

Company____

REMARKS OR FRICTION CALCULATIONS

GL	(1-e^{-s})	(F$_c$Q)2	(F$_c$Q)^2 (1-e^{-s}) / R^2	Pt^2 (Column i)	P$_t^2$ + R^2	P$_w$
			FRICTION MEASURED			

D @ 250 = 244