

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 Aztec Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Fannin Well No. 1
Unit B Sec. 7 Twp. 29 Rge. 10 Pay Zone: From 2108 To 2143
Casing: OD 5 WT. 11.5 Set At 2108 Tubing: OD 1 WT. 1.70 T. Perf. 2092
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .665 Estimated _____
Date of Flow Test: From 7/31 To 8/8/57 * Date S.I.P. Measured 11/12/56
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 (6.75)² x sp. const. 5 _____ = 228 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 228 psia (h)
P_t = (h) + (f) _____ = 228 psia (i)
Wellhead casing shut-in pressure (Dwt) 586 psig + 12 = 598 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 598 psia (l)
Flowing Temp. (Meter Run) 66 °F + 460 _____ = 526 ° Abs (m)
P_d = ½ P_c = ½ (l) _____ = 299 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{372} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 372 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{.8775}{.8949} = \underline{333} \text{ MCF/da.}$
 $\frac{268,203}{305,620}$

SUMMARY

P_c = 598 psia
Q = 372 Mcf/day
P_w = 228 psia
P_d = 299 psia
D = 333 Mcf/day

Company El Paso Natural Gas Company
By [Signature]
Title _____
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column 1)	P _t ² + R ²	P _w
			FRICION NEGLISIBLE			

D at 250 = 355



(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESSAGEBDE, & ALL BAKOTA EXCEPT BARKER DOME STORAGE AREA)

San Juan County, New Mexico

230, 1st St. N. W. Washington, D. C.

Machine	Office Size	Type	Office	Date of Birth	To	Date S.I.P. Measured	Weight	Height	Age	Pay Zone	From	To	Well No.	1
Machine	Office Size	Type	Office	Date of Birth	To	Date S.I.P. Measured	Weight	Height	Age	Pay Zone	From	To	Well No.	1

[illegible]

$\phi =$ _____ (in degrees)

 $\phi =$ _____ (in degrees)
 $\phi =$ _____ (in degrees)

[illegible]

NAME _____

Company _____
By _____
Title _____
Witnessed by _____
Company _____

that motion to state of mind

REMARKS OR FRICION CALCULATIONS

	(C-9-8)	H ₂ O/S	R _S (H ₂ O) (A Δ)	V _T (Column II)	D ₁ , S + H ₂ S D ₂	
			FRICTION REGIME III			

$$\mathbb{R}^n = \mathbb{R}^n \oplus \mathbb{R}^n$$
