

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)

Fulcher-Kuts **Pictured Cliff** **San Juan**
Pool _____ Formation _____ County _____
Purchasing Pipeline **El Paso Natural Gas Company** Date Test Filed _____
El Paso Natural Gas **Cornell** **6**
Operator _____ Lease _____ Well No. _____
Unit **C** Sec. **11** Twp. **29** Rge. **12** Pay Zone: From **1826** To **1863**
Casing: OD **5 1/4** WT. **14** Set At **1811** Tubing: OD **1** WT. **1.70** T. Perf. **1805**
Produced Through: Casing **X** Tubing _____ Gas Gravity: Measured **.630** Estimated _____
Date of Flow Test: From **5/8** To **5/16** * Date S.I.P. Measured _____
Meter Run Size **4** Orifice Size _____ 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 **6.20** **5** psig + 12 = **192** psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = **192** psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = **192** psia (h)
P_t = (h) + (f) _____ = **263** psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = **263** psia (k)
P_c = (j) or (k) whichever well flowed through **61** _____ = **521** psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = **132** °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \text{203 MCF/da}$
(integrated)

DELIVERABILITY CALCULATION
D = Q **203** $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{303 MCF/da.}$
51,745 **1.6017**
32,305 **1.4935**

SUMMARY
P_c = **263** psia
Q = **203** Mcf/day
P_w = **192** psia
P_d = **132** psia
D = **303** Mcf/day
Company **El Paso Natural Gas Company**
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})	(FcQ) ²	(FcQ) ² (1-e ^{-s}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			FRICTION NEGLECTABLE			

D @ 250 = 6

OK



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