

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 Blanco Mesa Verde Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Co. Lease San Juan 29-7 Well No. 37
Unit N Sec. 12 Twp. 29N Rge. 7W Pay Zone: From 4906 To 5030
Casing: OD 5 1/2 WT. 15.5 Set At 5150 Tubing: OD 2 WT. 4.7 T. Perf. 5333
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .660 Estimated _____
Date of Flow Test: From 2/8 To 2/16/56 * Date S.I.P. Measured 11/9/55
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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.70)² x sp. const. 10 = 593 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 593 psia (h)
P_t = (h) + (f) = 593 psia (i)
Wellhead casing shut-in pressure (Dwt) 1093 psig + 12 = 1105 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1080 psig + 12 = 1092 psia (k)
P_c = (j) or (k) whichever well flowed through = 1092 psia (l)
P_c = (j) or (k) whichever well flowed through 76 °F + 460 = 536 °Abs (m)
Flowing Temp. (Meter Run) _____ = 546 psia (n)
P_d = 1/2 P_c = 1/2 (l)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{ } }{\sqrt{(d)}} \right) = \underline{1036} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 1036 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{1106} \text{ MCF/da.}$
 $\frac{894,348}{819,375}$ $\frac{1.0915}{1.0679}$

SUMMARY

P_c = 1092 psia
Q = 1036 Mcf/day
P_w = 611 psia
P_d = 546 psia
D = 1106 Mcf/day

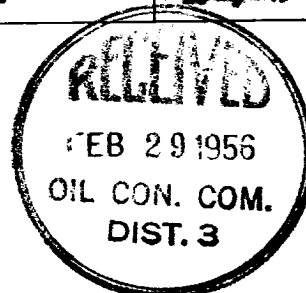
Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>3520</u>	<u>.226</u>	<u>94.868</u>	<u>21,440</u>	<u>351,649</u>	<u>373,089</u>	<u>611</u>

D @ 500 = 1118



OF CONSERVATION COMMISSION		
ATTENDANCE DISTRICT OFFICE		
Date of last meeting <u>3</u>		
PRESENT SECTION		
	NO. EMPLOYED	
Mr. [illegible]		
Mr. [illegible]	1	
Mr. [illegible]		
Mr. [illegible]		
Mr. [illegible]	1	
Mr. [illegible]		
Mr. [illegible]	1	✓