

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 South Blanco Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Co. Lease Florencia Well No. 3-D
Unit D Sec. 17 Twp. 27N Rge. 8W Pay Zone: From 2880 To 2925
Casing: OD 7 WT. 20# Set At 2880 Tubing: OD 1 WT. 1.68# T. Perf. 2887
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .650
Date of Flow Test: From 1/8/56 To 1/16/56 Date S.I.P. Measured 10/17/55
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:
(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 (7.10) ² x sp. const. 5 _____ = 252 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 252 psia (h)
P_t = (h) + (f) _____ = 252 psia (i)
Wellhead casing shut-in pressure (Dwt) 824 psig + 12 = 836 psia (j)
Wellhead tubing shut-in pressure (Dwt) 824 psig + 12 = 836 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 836 psia (l)
Flowing Temp. (Meter Run) 51 °F + 460 _____ = 511 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 418 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{V(c)}}{\sqrt{V(d)}} \right) = \underline{395}$ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 395 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{360}$ MCF/day
 $\frac{524,172}{584,662}$ ^{.8965} _{.9114}

SUMMARY

P_c = 836 psia
Q = 395 Mcf/day
P_w = 338 psia
P_d = 418 psia
D = 360 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 1)	P _t ² + R ²	P _w
1877	.128	396.328	50,730	63,504	114,234	338

D @ 250 = 392

OK



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FROM [illegible]

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4/21/44

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