

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

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 BONE STORAGE AREA)

Pool El Paso Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 28-7 Well Well No. 75 (30)
Unit L Sec. 15 Twp. 28 Rge. 7 Pay Zone: From 4906 To 7200
Casing: OD 5-1/2 WT. 15.5 Set At 5250 Tubing: OD 2 WT. 4.7 T. Perf. 5135
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .635 Estimated _____
Date of Flow Test: From 10/1 To 10/9 * Date S.I.P. Measured 6/25/57
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 (7.45) ² x sp. const. 1.0 _____ = _____ psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 525 psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 71 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{V(c)}{V(d)} \right)^{1/2} = \underline{437}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 437 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{1/2} = \underline{467}$ MCF/day
 $\frac{744,832}{600,400}$ $\frac{1.0934}{1.0695}$

SUMMARY

P_c = 936 psia
Q = 437 Mcf/day
P_w = 525 psia
P_d = 498 psia
D = 467 Mcf/day

Company El Paso Natural Gas
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 R ²	(1-e ^{-s})	P _t ² (Column 1)	P _t ² + R ²	P _w
<u>3061</u>	<u>.211</u>	<u>16.804</u>	<u>1.363</u>		<u>708,000</u>	<u>711,000</u>	<u>708</u>

D at 700 = 499

OK

