

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 DOME STORAGE AREA)

Pool OTERO Formation PICTURED CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 6-20-57
Operator EL PASO NATURAL GAS COMPANY Well No. 7
Unit 1 Sec. 16 Twp. 33N R. 4E Per. Zone: From 2000 To 2019
Casing: OD 5-1/2" WT 15.54 Set At 2018 Tubing: OD 1 1/2" WT 8.44 T. Perf. 2305
Produced Through: Casing 1 Tubing 1 Gas Gravity: Measured 0.60 Estimated 0.60
Date of Flow Test: From 5-26-57 To 5-27-57 * Date S.I.P. Measured 10-20-56
Meter Run Size 4" Orifice Size 1.750 Type Chart Eq. 3.3 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 (7.55) ² x sp. const. 5 _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 694 psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 694 psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \frac{\text{_____}}{\text{_____}} = \text{_____ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 243 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{332,700}{262,400} \times 0.908 = 226 \text{ MCF/da.}$

SUMMARY

P_c = 694 psia
Q = 243 Mcf/day
P_w = 694 psia
P_d = 694 psia
D = 226 Mcf/day

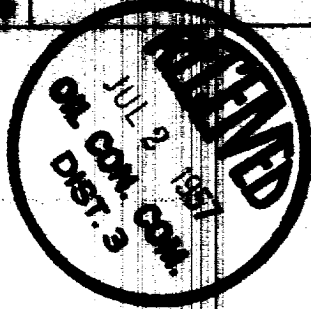
Company EL PASO NATURAL GAS COMPANY
By [Signature]
Title Manager
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻²)	(F _c Q) ²	(F _c Q) ² (1-e ⁻²)	P _t ²	P _t ² + R ²	P _w
			R ²	(Column 5)		

OK



THE UNIVERSITY OF CHICAGO
LIBRARY

1911-12

