

ILLEGIBLE

Form C-122-A
Revised April 20, 1955

Initial Deliverability
Test

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 El Paso Natural Gas Co. Formation El Paso County El Paso
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed February 3, 1959
Operator El Paso Natural Gas Co. Lease L. E. 131446 40' Well No. 8
Unit P Sec. 13 Twp. 30N Rge. 9W Pay Zone: From 2500 To 2600
Casing: OD 5-1/2" WT. 24 Set At 2192 Tubing: OD 3-1/2" WT. 2.3 T. Perf. 2192
Produced Through: Casing 21 Tubing 21 Gas Gravity: Measured 0.640 Estimated 0.640
Date of Flow Test: From 2-1-59 To 2-25-59 * Date S.I.P. Measured 2-25-59
Meter Run Size 1" Orifice Size 1.900 Type Chart Eq. 12 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 (_____) ² x sp. const. _____ = _____ 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) 1037 psig + 12 = 1149 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1037 psig + 12 = 1149 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* =$ _____ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q _____ $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n =$ _____ MCF/da.
277 $\left[\frac{(1037^2 - 1149^2)}{(1037^2 - 1149^2)} \right]^n =$ 403

SUMMARY

P_c = 1037 psia
Q = 277 Mcf/day
P_w = 1149 psia
P_d = 1149 psia
D = 403 Mcf/day

Company El Paso Natural Gas Co.
By L. E. Baker, Jr. RMB
Title Field Engineer
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)
Friction Loss Highlighted				

* Furnished by pipeline company.

INITIAL DELIVERABILITY TEST

OK

