

Initial Deliverability
Test

Form C-128-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)

72-276

Pool Manito Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Redd Well No. 1
Unit N Sec. 8 Twp. 28 Rge. 9 Pay Zone: From 4304 To 4380
Casing: OD 3-1/2 WT. 15.5 Set At 4756 Tubing: OD 2 WT. 4.7 T. Perf. 460
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .746 Estimated _____
Date of Flow Test: From 1/7/60 To 1/15/60 * Date S.I.P. Measured 8/9/58
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 (7.20) ² x sp. const. 10 _____ = 519 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 519 psia (h)
P_t = (h) + (f) _____ = 519 psia (i)
Wellhead casing shut-in pressure (Dwt) 1011 psig + 12 = 1023 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1012 psig + 12 = 1024 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1024 psia (l)
Flowing Temp. (Meter Run) 56 °F + 460 _____ = 516 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 512 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^{.}$ = 88 MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 88 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{1.0092}{1.0069} = \text{_____}$ MCF/da.
78032
779215

SUMMARY

P_c = 1024 psia
Q = 88 Mcf/day
P_w = 519 psia
P_d = 512 psia
D = 89 Mcf/day

Company El Paso Natural Gas
By _____ Original Signed
Title _____
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
			Friction Negligible			

D at 500 = 89

OK

