

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)

72-289-01

Pool Undesignated Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Canyon Largo Unit Well No. 11
Unit D Sec. 3 Twp. 25 Rge. 6 Pay Zone: From 2910 To 2960
Casing: OD 5-1/2 WT. 15-1/2 Set At 2984 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2921
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 667 Estimated _____
Date of Flow Test: From 11/7/58 To 11/15/58 Date S.I.P. Measured 7/29/58 (37 days)
Meter Run Size _____ Orifice Size 1.500 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 (6.80)² x sp. const. 5 _____ = 231 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 231 psia (h)
P_t = (h) + (f) _____ = 231 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ 859 psig + 12 = 871 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ 860 psig + 12 = 872 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 872 psia (l)
Flowing Temp. (Meter Run) _____ 57 °F + 460 _____ = 517 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 436 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{430} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 430 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{570288}{692228} \times \frac{8238}{8481} = \text{365} \text{ MCF/da.}$

SUMMARY

P_c = 872 psia Company El Paso Natural Gas
Q = 430 Mcf/day By Original Signed
P_w = 261 psia Title Harold L. Kendrick
P_d = 436 psia Witnessed by _____
D = 365 Mcf/day 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
1948	.132	112.085	14.795	53361	68156	261

D at 290 = 422

O/K

