

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)

72-270-01

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. 7
Unit A Sec. 27 Twp. 24 Rge. 6 Pay Zone: From 2288 To 2340
Casing: OD 5-1/2 WT. 15-1/2 Set At 2401 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2295
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 689 Estimated _____
Date of Flow Test: From 11/7/58 To 11/15/58 * Date S.I.P. Measured 7/29/58 (12 days)
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 (6.70) ² x sp. const. 5 _____ = 224 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 224 psia (h)
P_t = (h) + (f) _____ = 224 psia (i)
Wellhead casing shut-in pressure (Dwt) 667 psig + 12 = 679 psia (j)
Wellhead tubing shut-in pressure (Dwt) 667 psig + 12 = 679 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 679 psia (l)
Flowing Temp. (Meter Run) 50 °F + 460 _____ = 510 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 340 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right)^* = \underline{47} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 47 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{8407}{8630} = \underline{41} \text{ MCF/da.}$

SUMMARY

P_c = 679 psia
Q = 47 Mcf/day
P_w = 224 psia
P_d = 340 psia
D = 41 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
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 250 = 45

O/K



1. 1. 1. 1.

2. 2. 2. 2.

3. 3. 3. 3.

4. 4. 4. 4.

5. 5. 5. 5.

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