

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)

72-262-01

Canyon Largo

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. 1
Unit 0 Sec. 3 Twp. 24 Rge. 6 Pay Zone: From 2062 To 2174
Casing: OD 5-1/2 WT. 15-1/2 Set At 2247 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2063
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .685 Estimated _____
Date of Flow Test: From 11/7/58 To 11/15/58 * Date S.I.P. Measured 7/29/58 (44 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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____
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) 699 psig + 12 = 711 psia (j)
Wellhead tubing shut-in pressure (Dwt) 699 psig + 12 = 711 psia (k)
P_c = (j) or (k) whichever well flowed through = 711 psia (l)
Flowing Temp. (Meter Run) 48 °F + 460 = 508 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 356 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{82 MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \times \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{71 MCF/da.}$$

SUMMARY

P_c = 711 psia
Q = 82 Mcf/day
P_w = 232 psia
P_d = 356 psia
D = 71 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title _____
Witnessed by Harold L. Kendrick
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
1413	.098	4.076	399	53361	53760	232

D at 250 = 80



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