

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 Blanco Mesa Verde Formation Mesa Verde County El Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Company Lease Mineon Well No. 235210
Unit M Sec. 35 Twp. 87N Rge. 7W Pay Zone: From 5226 To 5211
Casing: OD 5 1/2 WT. 154 Set At 5311 Tubing: OD 2" WT. 4.7 T. Perf. 5130
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .735 Estimated _____
Date of Flow Test: From 9/30/56 To 10/8/56 * Date S.I.P. Measured January 18, 1956
Meter Run Size 4 Orifice Size _____ Type Chart Sq. Root 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 (7.15) ² x sp. const. 1000 = 511 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 511 psia (h)
P_t = (h) + (f) = 511 psia (i)
Wellhead casing shut-in pressure (Dwt) 1021 psig + 12 = 1033 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1001 psig + 12 = 1013 psia (k)
P_c = (j) or (k) whichever well flowed through = 1013 psia (l)
Flowing Temp. (Meter Run) 70 °F + 460 = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 507 psia (n)

FLOW RATE CALCULATION

Q = 201 X $\left(\frac{\sqrt{P_c}}{\sqrt{P_d}} \right)^* = \underline{201}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{202}$ MCF/day
 $\frac{1.0064}{1.0048}$

SUMMARY

P_c = 1013 psia
Q = 201 Mcf/day
P_w = 512 psia
P_d = 507 psia
D = 202 Mcf/day

Company El Paso Natural Gas Company
By J. Halloway
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
3770	.240	3.572	857	261,121	261,978	512

D @ 500 = 201

OK