

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

Operator El Paso Natural Gas Lease Case Well No. 7
Unit A Sec. 19 Twp. 31 Rge. 11 Pay Zone: From 4878 To 4926
Casing: OD 5 1/2 liner WT. 15.5 Set At 4540-5049 Tubing: OD 2 WT. 4.7 T. Perf. 4935
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From 8/23 To 8/31 * Date S.I.P. Measured 6/27/56
Meter Run Size 4 Orifice Size _____ Type Chart Sq. Rt. 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 (7.25) ² x sp. const. _____ = 526 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 526 psia (h)
P_t = (h) + (f) _____ = 526 psia (i)
Wellhead casing shut-in pressure (Dwt) 1076 psig + 12 = 1088 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1076 psig + 12 = 1088 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1088 psia (l)
Flowing Temp. (Meter Run) 78 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 544 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* =$ _____ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 1188 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{1.0091}{1.00682} =$ 1196 MCF/day.

SUMMARY

P_c = 1088 psia
Q = 1188 Mcf/day
P_w = 551 psia
P_d = 544 psia
D = 1196 Mcf/day

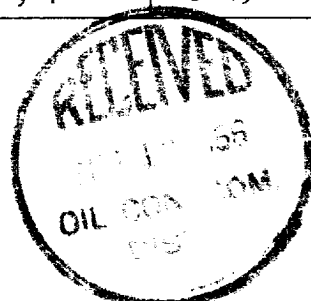
Company El Paso Natural Gas Company
By L. D. Hallenbury by Tom Grant
Title Senior Gas Eng.
Witnessed by _____
Company _____

* 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 R ²	P _t ² (Column i)	P _t ² + R ²	P _w
3405	.219	124769	27,324	276,676	304,000	551

D @ 500 = 1202



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