

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 South Elanco Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease Rincon Unit Well No. 66
Unit H Sec. 22 Twp. 27N Rge. 7W Pay Zone: From 3015 To 3050
Casing: OD 5 1/2 WT. 15.5 Set At 3100 Tubing: OD 2 WT. 4.7 T. Perf. 3009
Produced Through: Casing _____ Tubing I Gas Gravity: Measured .660 Estimated _____
Date of Flow Test: From 12/16 To 12/23 * Date S.I.P. Measured 9/13/56
Meter Run Size _____ Orifice Size _____ Type Chart Sq. Ft. 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. .5 _____ = 263 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 263 psia (h)
P_t = (h) + (f) _____ = 263 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ 1005 psig + 12 = 1017 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ 1005 psig + 12 = 1017 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1017 psia (l)
Flowing Temp. (Meter Run) _____ 65 °F + 460 _____ = 525 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 519 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{1836}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1836 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1574}$ MCF/da.
806,008 .8341
966,271 .8572

SUMMARY

P_c = 1017 psia
Q = 1836 Mcf/day
P_w = 130 psia
P_d = 519 psia
D = 1574 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Lewis D. Galloway
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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column 1)		
<u>1986</u>	<u>0.134</u>	<u>297.977</u>	<u>39,929</u>	<u>69,169</u>	<u>109,098</u>	<u>130</u>

D @ 750 = 1837

OK



UNITED STATES DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF STAFF

MEMORANDUM FOR THE CHIEF OF STAFF
SUBJECT: [Illegible]

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