

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 Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 29-7 Unit Well No. 50
Unit G Sec. 21 Twp. 29 Rge. 7 Pay Zone: From 5282 To 5808
Casing: OD 5 1/2 WT. 15.5 Set At 5887 Tubing: OD 2 WT. 4.7 T. Perf. 5621
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .695 Estimated _____
Date of Flow Test: From 6/30/57 To 7/8/57 * Date S.I.P. Measured 10/24/56 (24 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 (7.35) ² x sp. const. 10 = 540 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 540 psia (h)
P_t = (h) + (f) = 540 psia (i)
Wellhead casing shut-in pressure (Dwt) 1068 psig + 12 = 1080 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1057 psig + 12 = 1069 psia (k)
P_c = (j) or (k) whichever well flowed through = 1069 psia (l)
Flowing Temp. (Meter Run) 78 °F + 460 = 538 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 535 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \underline{1205} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 1205 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{856,536}{819,460}^{1.0452} = \underline{1246} \text{ MCF/da.}$
1.0337

SUMMARY

P_c = 1069 psia Company El Paso Natural Gas
Q = 1205 Mcf/day By Original Signed
P_w = 569 psia Title _____
P_d = 535 psia Witnessed by Lewis D. Galloway
D = 1246 Mcf/day 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
3907	.247	128.346	31,701	291,600	323,301	569

D at 500 = 1236



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

MEMORANDUM FOR THE CHIEF OF STAFF
 SUBJECT: [Illegible]

1. [Illegible]

2. [Illegible]

3. [Illegible]

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RECOMMENDATION

[Illegible text block containing the recommendation section]

[Illegible text block containing additional information or notes]

[Illegible text block containing a signature line and date]

[Illegible]	[Illegible]	[Illegible]
[Illegible]	[Illegible]	[Illegible]



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