

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 27-5 Unit Well No. No. 21
Unit B Sec. 3 Twp. 27N Rge. 5W Pay Zone: From 5210 To 5732
Casing: OD 5-1/2" WT. 15.5 Set At 5813 Tubing: OD 2" WT. 4.7 T. Perf. 5693
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .674 Estimated _____
Date of Flow Test: From 3/9/58 To 3/17/58 * Date S.I.P. Measured 5-22-57
Meter Run Size _____ Orifice Size 1.250 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:
(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 (7.80) ² x sp. const. 10 = _____ psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 1089 psig + 12 = 1101 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1090 psig + 12 = 1102 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1102 psia (l)
Flowing Temp. (Meter Run) 64 °F + 460 _____ = 524 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 551 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____} \right) = \text{1080} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 1080 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{910803}{819686} \times \frac{1.1111}{1.0823} = \text{1169} \text{ MCF/da.}$

SUMMARY

P_c = 1102 psia
Q = 1080 Mcf/day
P_w = 628 psia
P_d = 551 psia
D = 1169 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}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
3837	.243	103.104	25,054	369664	394718	628

D at 500 = 1182



OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

REPORT OF THE FIELD OFFICE ON THE PROGRESS OF THE WORK DURING THE MONTH OF

DATE

REPORT MADE BY

REPORT MADE AT

REPORT MADE FOR

1. SUMMARY OF THE WORK DURING THE MONTH OF

2. DETAILS OF THE WORK DURING THE MONTH OF

3. DETAILS OF THE WORK DURING THE MONTH OF

4. DETAILS OF THE WORK DURING THE MONTH OF

5. DETAILS OF THE WORK DURING THE MONTH OF

OIL CONSERVATION COMMISSION		
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