

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 28-5 Unit Well No. 23
Unit H Sec. 28 Twp. 28 Rge. 5 Pay Zone: From 9314 To 5842
Casing: OD 7-5/8 WT. 26.40 Set At 3663 Tubing: OD 2 WT. 4.7 T. Perf. 5801
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .705 Estimated _____
Date of Flow Test: From 1/31/58 To 2/8/58 * Date S.I.P. Measured 7-5-57
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) - (a) 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 (7.80) ² x sp. const. 10 = _____ psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 1028 psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1028 psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 54 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{657} \text{ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 657 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{(1.1545)^{.78}}{(1.1138)} = \underline{709} \text{ MCF/da.}$

SUMMARY

P_c = 1040 psia
Q = 657 Mcf/day
P_w = 616 psia
P_d = 520 psia
D = 709 Mcf/day

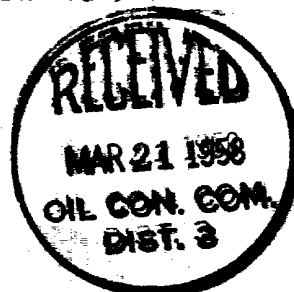
Company El Paso Natural Gas
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

This is date of completion test.
Meter error correction factor _____

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	$\frac{(F_c Q)^2 (1-e^{-S})}{R^2}$	P _t ² (Column i)	P _t ² + R ²	P _w
4090	.257	35.868	9.318	369.664	378.882	616

B at 500 = 708





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