

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 _____ Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 27-4 Unit Well No. 14-X (M)
Unit L Sec. 18 Twp. 27N Rge. 4W Pay Zone: From 5252 To 5738
Casing: OD 7-5/8 WT. 26.4 Set At 7574 Tubing: OD 2 WT. 4.7 T. Perf. 7859
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .674 Estimated _____
Date of Flow Test: From 2/21/58 To 3/1/58 * Date S.I.P. Measured 11-27-57
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 (8.15)² x sp. const. 1000 = 664 psia (g)
Corrected seven day avge. meter press. (pf) (g) + (e) = 664 psia (h)
P_t = (h) + (f) = 664 psia (i)
Wellhead casing shut-in pressure (Dwt) 1033 psig + 12 = 1045 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through = 1045 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 = 520 °Abs (m)
P_d = ½ P_c = ½ (l) = 523 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____}} \right)^* = \text{391} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 391 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{818496}{651129} \right]^n \frac{(1.2570)^{.75}}{(1.1872)} = \text{464} \text{ MCF/da.}$

SUMMARY

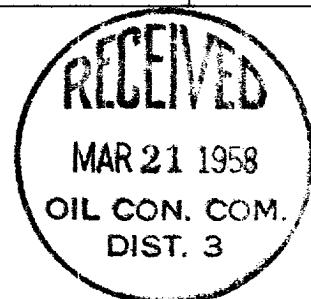
P_c = 1045 psia Company El Paso Natural Gas
Q = 391 Mcf/day By Original Signed
P_w = 664 psia Title Lewis D. Galloway
P_d = 523 psia Witnessed by _____
D = 464 Mcf/day Company _____

* 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
			Friction Negligible			

D at 500 = 469



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