

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 El Paso Formation Mesa Verde County El Paso
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 28-6 Well No. 52
Unit 11 Sec. NE31 Twp. 28N Rge. 6W Pay Zone: From 4824 To 5523
Casing: OD 54 WT. 15.5 Set At 5560 Tubing: OD 2 WT. 4.7 T. Perf. 5450
Produced Through: Casing _____ Tubing 1 Gas Gravity: Measured .695 Estimated _____
Date of Flow Test: From 6/8 To 6/16 * Date S.I.P. Measured 1/9/56
Meter Run Size 4 Orifice Size _____ Type Chart Eq. 11 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: _____ = _____ psi (e)
(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 (7.65) ² x sp. const. 10 _____ = 598 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) 1085 psig + 12 = 1097 psia (i)
Wellhead tubing shut-in pressure (Dwt) 1075 psig + 12 = 1087 psia (j)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (k)
Flowing Temp. (Meter Run) 77 °F + 460 _____ = _____ psia (l)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ °Abs (m)
_____ = _____ psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{847} \text{ MCF/day}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 847 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{694} \text{ MCF/day}$
 $\left[\frac{1087^2 - 1087^2}{1087^2 - 598^2} \right]^n = \underline{1.0747}$
 $\left[\frac{1087^2 - 1087^2}{1087^2 - 598^2} \right]^n = \underline{1.0555}$

SUMMARY

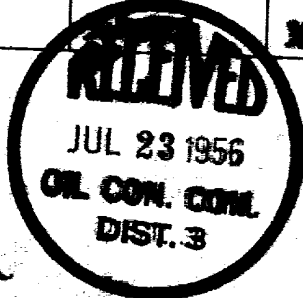
P_c = 1087 psia
Q = 847 Mcf/day
P_w = 598 psia
P_d = 1087 psia
D = 694 Mcf/day

Company El Paso Natural Gas Company
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)		
1763	.241	63.409	15.262		1087.000	598



D = 500 : 207

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