

Initial Deliverability
Test

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 Dallards Formation Pictured Cliff County El Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator Polito Atkins Lease Dallard Well No. 1
Unit 1 Sec. 6 Twp. R3N Rge. 7E Pay Zone: From R3N To R3N
Casing: OD 2 1/2 WT. _____ Set At R3N Tubing: OD 1 WT. _____ T. Perf. R3N
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .675 Estimated _____
Date of Flow Test: From Feb. 22, 57 To Mar. 2, 57 Date S.I.P. Measured December 22, 1956
Meter Run Size _____ Orifice Size 1.750 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 (7.10) ² x sp. const. 300 = 675 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 675 psia (h)
P_t = (h) + (f) _____ = 675 psia (i)
Wellhead casing shut-in pressure (Dwt) 675 psig + 12 = 675 psia (j)
Wellhead tubing shut-in pressure (Dwt) 675 psig + 12 = 675 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 675 psia (l)
Flowing Temp. (Meter Run) 71 °F + 460 _____ = 511 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 338 psia (n)

FLOW RATE CALCULATION

Q = 479 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{\hspace{1cm}}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 479 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{\hspace{1cm}}$ MCF/da.
303,408 .878
368,145 .8960

SUMMARY

P_c = 675 psia Company El Paso Natural Gas Company
Q = 479 Mcf/day By Original Signed
P_w = 338 psia Title Lewis D. Galloway
P_d = 338 psia Witnessed by _____
D = 479 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 @ 250 = 473

OK



