

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 Ballard Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator Petro Atlas Lease Poster Well No. 1
Unit 1 Sec. 13 Twp. 25 Rge. 8 Pay Zone: From 1230 To 1504
Casing: OD 5 1/2 WT. _____ Set At 2652 Tubing: OD 1 1/4 WT. _____ T. Perf. 2544
Produced Through: Casing 1 Tubing _____ Gas Gravity: Measured .685 Estimated _____
Date of Flow Test: From 1-8 To 1-16 * Date S.I.P. Measured August 14, 1956
Meter Run Size _____ Orifice Size 2.00 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 (7.35)² x sp. const. 500 = 270 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 270 psia (h)
P_t = (h) + (f) _____ = 270 psia (i)
Wellhead casing shut-in pressure (Dwt) 639 psig + 12 = 631 psia (j)
Wellhead tubing shut-in pressure (Dwt) 639 psig + 12 = 631 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 631 psia (l)
Flowing Temp. (Meter Run) 59 °F + 460 _____ = 519 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 316 psia (n)

FLOW RATE CALCULATION

Q = 1332 X $\left(\frac{\sqrt{(c)} = \sqrt{(d)}}{\sqrt{(d)}} \right)^* = \underline{1332}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1332 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1238}$ MCF/da.
290,305 .9171
305,261 .9291

SUMMARY

P_c = 631 psia Company El Paso Natural Gas Company
Q = 1332 Mcf/day By Original Signed
P_w = 270 psia Title Lewis D. Galloway
P_d = 316 psia Witnessed by _____
D = 1238 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 = 1347

OK



