

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 Astec Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Company Lease Sellers Well No. 3-A (P)
Unit N Sec. 30 Twp 30 N Rge. 10 W Pay Zone: From 240 To 240
Casing: OD 5 1/2 WT. 15.5 Set At 500 Tubing: OD 2 WT 4.7 T. Perf. 2430
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .695 Estimated _____
Date of Flow Test: From 3-8-57 To 3-17-57 * Date S.I.P. Measured 10-30-57
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 (7.85) ² x sp. const. 500 = 263 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 263 psia (h)
P_t = (h) + (f) _____ = 263 psia (i)
Wellhead casing shut-in pressure (Dwt) 602 psig + 12 = 634 psia (j)
Wellhead tubing shut-in pressure (Dwt) 603 psig + 12 = 635 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 634 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 500 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 317 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{980}$ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 980 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{981}$ MCF/day.
301.467 .9058
332.707 .9193

SUMMARY

P_c = 634 psia
Q = 980 Mcf/day
P_w = 263 psia
P_d = 317 psia
D = 981 Mcf/day

Company El Paso Natural Gas Company
By _____
Title _____
Witnessed by _____
Company _____

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

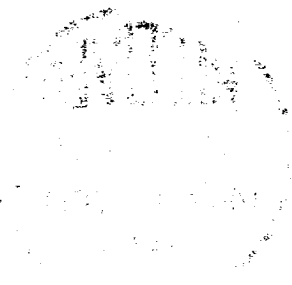
REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	DIST. 3 P _t ² + R ²	P _w
			Friction Negligible			

D @ 250 = 981

OK





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