

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 PC Formation Pictured Cliffs County Bio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Sheets Well No. 1-A
Unit C Sec. 31 Twp. 26 Rge. 7 Pay Zone: From 2196 To 2262
Casing: OD 5-1/2 WT. 15.50 Set At 2301 Tubing: OD 2 WT. 4.7 T. Perf. 2207
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .680 Estimated _____
Date of Flow Test: From 1/31/58 To 2/8/58 * Date S.I.P. Measured 10-4-56
Meter Run Size _____ Orifice Size _____ 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 (6.80)² x sp. const. 10 = 462 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 462 psia (h)
P_t = (h) + (f) _____ = 462 psia (i)
Wellhead casing shut-in pressure (Dwt) 634 psig + 12 = 646 psia (j)
Wellhead tubing shut-in pressure (Dwt) 634 psig + 12 = 646 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 646 psia (l)
Flowing Temp. (Meter Run) 47 °F + 460 _____ = 507 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 323 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____}} \right)^* = \text{250} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 250 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{312987}{203872} \right]^n \frac{(1.5352)^{.85}}{(1.4400)} = \text{360} \text{ MCF/da.}$

SUMMARY

P_c = 646 psia Company El Paso Natural Gas
Q = 250 Mcf/day By _____
P_w = 462 psia Title _____
P_d = 323 psia Witnessed by _____
D = 360 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 250 = 395



OIL CONSERVATION COMMISSION

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