

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 South Blanco Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Co. Lease Blanco Gas Unit Well No. 2
Unit G Sec. 1 Twp. 27 Rge. 8 Pay Zone: From 3315 To 3375
Casing: OD 5½ WT. 15.5 Set At 3312 Tubing: OD 1 WT. 1.68 T. Perf. 3340
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .630
Date of Flow Test: From 12/23 To 12/31 * Date S.I.P. Measured 5/31/55
Meter Run Size 4 Orifice Size _____ Type Chart Sq. Rt. 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:
(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 (6.95) ² x sp. const. 5 _____ = 242 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 242 psia (h)
P_t = (h) + (f) _____ = 242 psia (i)
Wellhead casing shut-in pressure (Dwt) 984 psig + 12 = 996 psia (j)
Wellhead tubing shut-in pressure (Dwt) 984 psig + 12 = 996 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 996 psia (l)
Flowing Temp. (Meter Run) 48 °F + 460 _____ = 508 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 498 - 498 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____}} \right)^* = \text{278} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 278 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{744,012}{905,576} \right]^n \frac{.8216}{.8461} = \text{235} \text{ MCF/da.}$

SUMMARY

P_c = 996 psia Company El Paso Natural Gas Company
Q = 278 Mcf/day By Original Signer
P_w = 294 psia Title Lewis D. Galloway
P_d = 498 psia Witnessed by _____
D = 235 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
2104	.142	196.308	27,876	58,564	86,440	294

D @ 250 = 275

