

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

Operator El Paso Natural Gas Lease Calloway Pool Unit Well No. 2 (P)
Unit H Sec. 34 Twp. 31 Rge. 11 Pay Zone: From 2238 To 2284
Casing: OD 7 WT. 20 Set At 4385 Tubing: OD 2 WT. 4.7 T. Perf. 4521
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From 8/8 To 8/16/57 * Date S.I.P. Measured 5/17/57 (12 days)
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 (6.70) ² x sp. const. 5 _____ = 224 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 224 psia (h)
P_t = (h) + (f) _____ = 224 psia (i)
Wellhead casing shut-in pressure (Dwt) 711 psig + 12 = 723 psia (j)
Wellhead tubing shut-in pressure (Dwt) 711 psig + 12 = 723 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 723 psia (l)
Flowing Temp. (Meter Run) 73 °F + 460 _____ = 533 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 362 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{413} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 413 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{352} \text{ MCF/da.}$
391,685 .8288
472,553 .8526

SUMMARY

P_c = 723 psia Company El Paso Natural Gas
Q = 413 Mcf/day By Original Signed
P_w = 224 psia Title _____
P_d = 362 psia Witnessed by Lewis D. Galloway
D = 352 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 _w
FRICTION NEGLIGIBLE					

D at 250 = 399 OK

