

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 Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Jicarilla Well No. 15-J
Unit E Sec. 17 Twp. 26 Rge. 5 Pay Zone: From 3108 To 3179
Casing: OD 5-1/2 WT. 15.5 Set At 3225 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3151
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .686 Estimated _____
Date of Flow Test: From 1-23 To 1-31-58 * Date S.I.P. Measured 12-24-57 (13 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 (8.35)² x sp. const. 5 _____ = 349 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 349 psia (h)
P_t = (h) + (f) _____ = 349 psia (i)
Wellhead casing shut-in pressure (Dwt) 1034 psig + 12 = 1046 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1034 psig + 12 = 1046 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1046 psia (l)
Flowing Temp. (Meter Run) 47 °F + 460 _____ = 507 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 523 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{339} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 339 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{296} \text{ MCF/da.}$
 $\frac{820,587}{962,215}$ $\frac{.8528}{.8733}$

SUMMARY

P_c = 1046 psia Company El Paso Natural Gas
Q = 339 Mcf/day By Original Signed
P_w = 363 psia Title _____
P_d = 523 psia Witnessed by Lewis D. Galloway
D = 296 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
2162	.145	69,656	10,100	121,801	131,901	363

D at 250 = 355

