

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 PC Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Jicarilla Well No. 2-E
Unit 0 Sec. 19 Twp. 25 Rge. 4 Pay Zone: From 3572 To 3632
Casing: OD 5-1/2 WT. 15.5 Set At 3558 Tubing: OD 2 WT. 4.7 T. Perf. 3538
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .661 Estimated _____
Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 6-1-56 (14 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 (9.95)² x sp. const. 5 = 495 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 495 psia (h)
P_t = (h) + (f) = 495 psia (i)
Wellhead casing shut-in pressure (Dwt) 1023 psig + 12 = 1035 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1023 psig + 12 = 1035 psia (k)
P_c = (j) or (k) whichever well flowed through = 1035 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 = 518 °Abs (m)
P_d = ½ P_c = ½ (l) = 518 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{1471}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 1471 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1437}$ MCF/day
 $\frac{.9729}{.9769}$

SUMMARY

P_c = 1035 psia
Q = 1471 Mcf/day
P_w = 496 psia
P_d = 518 psia
D = 1437 Mcf/day

Company El Paso Natural Gas
By _____
Title Original Signed
Witnessed by Lewis D. Galloway
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
2352	.157	6.230	978	245,025	246,003	496

D at 250 = 1734

