

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 BONE STORAGE AREA)

72-375-01

Pool South Haven Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Stinson Well Well No. 116
Unit D Sec. 23 Twp. 27N Rge. 6E Pay Zone: From 3266 To 3314
Casing: OD 9-1/2 WT. 13.5 Set At 3020 Tubing: OD 1.25 WT. 2.4 T. Perf. _____
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .718 Estimated _____
Date of Flow Test: From 8/24/58 To 8/30/58 * Date S.I.P. Measured 8/25/58 (11 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 (6.85) ² x sp. const. .300 = 235 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = 235 psia (h)
P_t = (h) + (f) _____ = 235 psia (i)
Wellhead casing shut-in pressure (Dwt) 1071 psig + 12 = 1083 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1071 psig + 12 = 1083 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1083 psia (l)
Flowing Temp. (Meter Run) 62 °F + 460 _____ = 522 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 542 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{372}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 372 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{303}$ MCF/da.
.8156

SUMMARY

P_c = 1083 psia Company El Paso Natural Gas
Q = 372 Mcf/day By Original Signed
P_w = 235 psia Title Harold L. Kendrick
P_d = 542 psia Witnessed by _____
D = 303 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

D at 250 = 368

