

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)

72-061-01

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

Operator El Paso Natural Gas Lease Florence Well No. 5-6 (P)
Unit H Sec. 30 Twp. 28 Rge. 8 Pay Zone: From 2262 To 2314
Casing: OD 7-5/8 WT. 26.4 Set At 2480 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2277
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .652 Estimated _____
Date of Flow Test: From 4/29/58 To 5/7/58 * Date S.I.P. Measured 12/27/58
Meter Run Size _____ Orifice Size _____ Type Chart 652 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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.65) ² x sp. const. 5 = 293 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 293 psia (h)
P_t = (h) + (f) = 293 psia (i)
Wellhead casing shut-in pressure (Dwt) 825 psig + 12 = 837 psia (j)
Wellhead tubing shut-in pressure (Dwt) 825 psig + 12 = 837 psia (k)
P_c = (j) or (k) whichever well flowed through = 837 psia (l)
Flowing Temp. (Meter Run) 47 °F + 460 = 507 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 419 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{249}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 249 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{219}$ MCF/day
.8594
.8793

SUMMARY

P_c = 837 psia
Q = 249 Mcf/day
P_w = 299 psia
P_d = 419 psia
D = 219 Mcf/day

Company El Paso Natural Gas
By Original Signer
Title Harold L. Kendrick
Witnessed by _____
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
1485	.102	37.577	3,833	85,849	89,682	299

D at 250 = 255

