

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)

74-717-01

Pool Ballard L. Bluns Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Cuccia State Well No. 3 (P)
Unit M Sec. 32 Twp. 27 Rge. 8 Pay Zone: From 2163 To 2214
Casing: OD 7-5/8 WT. 26.4 Set At 2353 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2178
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .654 Estimated _____
Date of Flow Test: From 10/22/58 To 10/30/58 * Date S.I.P. Measured 6/24/58 (19 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 (7.30) ² x sp. const. 5 _____ = 252 psia (g)
Corrected seven day ave. meter press. (p_f) (g) + (e) _____ = 252 psia (h)
P_t = (h) + (f) _____ = 252 psia (i)
Wellhead casing shut-in pressure (Dwt) 657 psig + 12 = 669 psia (j)
Wellhead tubing shut-in pressure (Dwt) 657 psig + 12 = 669 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 669 psia (l)
Flowing Temp. (Meter Run) 63 °F + 460 _____ = 523 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 335 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{436}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 436 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{388}$ MCF/da.
335336 .8731
384057 .8910

SUMMARY

P_c = 669 psia
Q = 436 Mcf/day
P_w = 252 psia
P_d = 335 psia
D = 388 Mcf/day

Company El Paso Natural Gas
By Original Signed
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
			Friction Negligible			

D at 250 = 431



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