

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)

72-246-01

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 Sanchez Well No. 1-A
Unit N Sec. 20 Twp. 26N Rge. 6W Pay Zone: From 2961 To 2979
Casing: OD 5.5 WT. 15.5 Set At 3000 Tubing: OD 1.25 WT. 2.4 T. Perf. 2947
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .679 Estimated _____
Date of Flow Test: From 12/7/58 To 12/15/58 * Date S.I.P. Measured 8/28/58 (38 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 (6.95) ² x sp. const. 500 _____ = 242 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 242 psia (h)
P_t = (h) + (f) _____ = 242 psia (i)
Wellhead casing shut-in pressure (Dwt) 838 psig + 12 = 850 psia (j)
Wellhead tubing shut-in pressure (Dwt) 839 psig + 12 = 851 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 851 psia (l)
Flowing Temp. (Meter Run) 43 °F + 460 _____ = 503 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 426 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \underline{131}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 131 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{.8170}{.8420} = \underline{110}$ MCF/da.

SUMMARY

P_c = 851 psia
Q = 131 Mcf/day
P_w = 247 psia
P_d = 426 psia
D = 110 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
2001	.135	10.401	1,404	58,564	59,968	245

D at 250 = 129



O/C

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