

Initial Deliverability
Test

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

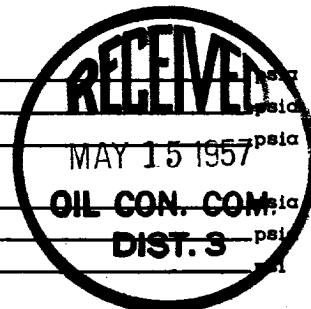
(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool Wichita La Blanca Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease Nicarilla Well No. 1-B
Unit F Sec. 28 Twp. 25 Rge. 4 Pay Zone: From 3284 To 3308
Casing: OD 7 WT. 20 Set At 3360 Tubing: OD 1.25 WT. 2.3 T. Perf. 3251
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From 4/23 To 5/1/57 * Date S.I.P. Measured 4/19/56 (15 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 (7.90) ² x sp. const. 5 _____ = 312 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 312 psia (h)
P_t = (h) + (f) _____ = 312 psia (i)
Wellhead casing shut-in pressure (Dwt) 995 psig + 12 = 1007 psia (j)
Wellhead tubing shut-in pressure (Dwt) 995 psig + 12 = 1007 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1007 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 _____ = 517 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 504 psia (n)



Q = _____ X $\left(\frac{V(c)}{V(d)} \right)^n = \underline{1922}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1922 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{2436}$ MCF/da.
760,033 1.3085
500,828 1.2572

SUMMARY

P_c = 1007 psia
Q = 1922 Mcf/day
P_w = 658 psia
P_d = 504 psia
D = 2436 Mcf/day

Company El Paso Natural Gas Company
By Original Signed
Title _____
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
<u>224.3</u>	<u>.150</u>	<u>2239.182</u>	<u>335,877</u>	<u>97,344</u>	<u>433,221</u>	<u>658</u>

D @ 250 = 1973

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