

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)

74-448

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

Operator El Paso Natural Gas Lease Ladbury Well No. 6-B
Unit D Sec. 21 Twp. 28 Rge. 9 Pay Zone: From 2275 To 2310
Casing: OD 5-1/2 WT. 15.5 Set At 2353 Tubing: OD 1-1/4 WT. 2.5 T. Perf. 2255
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .63 Estimated _____
Date of Flow Test: From 12/7/59 To 12/15/59 * Date S.I.P. Measured 7/6/59
Meter Run Size _____ Onifice 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 (_____) ² x sp. const. 180 = 192 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 192 psia (h)
P_t = (h) + (f) _____ = 192 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 363 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 363 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 363 psia (l)
Flowing Temp. (Meter Run) 48 °F + 460 _____ = 508 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 182 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{161} \text{ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 161 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{1.0394}{1.0394} = \underline{166} \text{ MCF/da.}$

SUMMARY

P_c = 363 psia Company El Paso Natural Gas
Q = 161 Mcf/day By Original Signed
P_w = 192 psia Title Harold L. Kendrick
P_d = 182 psia Witnessed by _____
D = 166 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
			Friction Negligible			

D at 290 = 114



