

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)

71-481-01

Pool Blanco Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Ludwick Well No. 8
Unit H Sec. 31 Twp. 30 Rge. 10 Pay Zone: From 4717 To 4942
Casing: OD 5500 WT. 15.5 Set At 5007 Tubing: OD 2" WT. 4.7 T. Perf. 4921
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .711 Estimated _____
Date of Flow Test: From 11/21/58 To 11/29/58* Date S.I.P. Measured 4/22/58 (7)
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 (6.80)² x sp. const. 10 = 462 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 462 psia (h)
P_t = (h) + (f) = 462 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 639 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 639 psia (k)
P_c = (j) or (k) whichever well flowed through = 639 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 = 513 ° Abs (m)
P_d = ½ P_c = ½ (l) = 320 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right)^* = \underline{197}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION
D = Q 197 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.5698}{1.4015} = \underline{276}$ MCF/da.

SUMMARY
P_c = 639 psia
Q = 197 Mcf/day
P_w = 462 psia
P_d = 320 psia
D = 276 Mcf/day
Company El Paso Natural Gas
By _____
Title _____
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ² P _w
			Friction Negligible			

D at 500 = 159

