

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)

72-266-01

Pool Canyon Largo Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Canyon Largo Unit Well No. 8
Unit H A E Sec. 1 Twp. 24 Rge. 7 Pay Zone: From 2496 To 2522
Casing: OD 5-1/2 WT. 15-1/2 Set At 2579 Tubing: OD 2 WT. 4.7 T. Perf. 2437
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 689 Estimated _____
Date of Flow Test: From 11/7/58 To 11/15/58 * Date S.I.P. Measured 7/30/58 (17 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 (6.90) ² x sp. const. 5 = 238 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 238 psia (h)
P_t = (h) + (f) = 238 psia (i)
Wellhead casing shut-in pressure (Dwt) 586 psig + 12 = 598 psia (j)
Wellhead tubing shut-in pressure (Dwt) 586 psig + 12 = 598 psia (k)
P_c = (j) or (k) whichever well flowed through = 598 psia (l)
Flowing Temp. (Meter Run) 64 °F + 460 = 524 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 299 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right)^* = \underline{1028}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 1028 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{.9241^{.85}}{.9351} = \underline{961}$ MCF/day.

SUMMARY

P_c = 598 psia Company El Paso Natural Gas
Q = 1028 Mcf/day By Original Signed
P_w = 260 psia Title _____
P_d = 299 psia Witnessed by Harold L. Kendrick
D = 961 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
1679	.115	93.412	10,742	56,644	67,386	260

D at 250 = 993

OK

