

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)

72-238

Pool South Alamosa Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed _____

Operator El Paso Natural Gas Company Lease Rincon Well No. 120
Unit E Sec. 22 Twp. 27 Rge. 6 Pay Zone: From 3138 To 3170
Casing: OD 5-1/2 WT. 15-1/2 Set At 3021 Tubing: OD 1-1/4 WT. 2.5 T. Perf. 3140
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated _____
Date of Flow Test: From 10-15 To 10-22-58 * Date S.I.P. Measured 6-17-58 (22)
Meter Run Size _____ Orifice Size 1.750 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 (6.85) ² x sp. const. 5 _____ = 235 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 235 psia (h)
P_t = (h) + (f) _____ = 235 psia (i)
Wellhead casing shut-in pressure (Dwt) 1072 psig + 12 = 1084 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1074 psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1084 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 542 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{671}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 671 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{548}$ MCF/da.
 $\frac{881292}{1119831}$ $\frac{.7870}{.8160}$

SUMMARY

P_c = 1084 psia Company EL PASO NATURAL GAS COMPANY
Q = 671 Mcf/day By Original Signed
P_w = 235 psia Title Harold L. Kendrick
P_d = 542 psia Witnessed by _____
D = 548 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 MULTIPLIER			

8250 - 664

