

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)

73-226-01

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

Operator El Paso Natural Gas Lease Rincon Unit Well No. 182
Unit I Sec. 26 Twp. 27N Rge. 6W Pay Zone: From 3258 To 3412
Casing: OD 5.50 WT. 15.5 Set At 3360 Tubing: OD 1.25 WT. 2.4 T. Perf. 3314
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .697 Estimated _____
Date of Flow Test: From 10/22/58 To 10/30/58 * Date S.I.P. Measured 6/27/58 (9 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 (c)
Square root chart reading (_____) ² x spring constant _____ = _____ psia (c)
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. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 _____ = _____ ° Abs (m)
P_d = ½ P_c = ½ (l) _____ = _____ psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \frac{\sqrt{(d)}}{\sqrt{(d)}}} \right) = \underline{455} \text{ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 455 $\left[\frac{(P_c^2 - P_d^2) = \frac{789507}{966145}}{(P_c^2 - P_w^2) = \frac{789507}{966145}} \right]^n \frac{3171}{8423} = \underline{383} \text{ MCF/da.}$

SUMMARY

P_c = 1026 psia
Q = 455 Mcf/day
P_w = 294 psia
P_d = 313 psia
D = 383 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>2310</u>	<u>.135</u>	<u>125,485</u>	<u>19,450</u>	<u>67081</u>	<u>86531</u>	<u>294</u>

D at 250 = 454

