

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)

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

Operator El Paso Natural Gas Lease Florance Well No. 6-C (M)
Unit M Sec. 30 Twp. 28 Rge. 8 Pay Zone: From 4342 To 4580
Casing: OD 5-1/2 WT. 15.5 Set At 4605 Tubing: OD 2" WT. 4.7 T. Perf. 4430
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .712 Estimated _____
Date of Flow Test: From 4/7/58 To 4/15/58 * Date S.I.P. Measured 10/28/57 (10 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 (7.30) ² x sp. const. 10 = 533 psia (g) ✓
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 533 psia (h) ✓
P_t = (h) + (f) _____ = 533 psia (i) ✓
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1082 psig + 12 = 1094 psia (k) ✓
P_c = (j) or (k) whichever well flowed through _____ = 1094 psia (l) ✓
Flowing Temp. (Meter Run) 79 °F + 460 _____ = 539 °Abs (m) ✓
P_d = ½ P_c = ½ (l) _____ = 547 psia (n) ✓

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^{.75}$ = 1819 MCF/da
(Integrated)

DELIVERABILITY CALCULATION
D = Q 1819 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{(1.0525)^{.75}}{(1.0392)} = \text{_____} = \text{1890} \text{ MCF/da.}$

SUMMARY
P_c = 1094 psia ✓
Q = 1819 Mcf/day ✓
P_w = 587 psia ✓
P_d = 547 psia ✓
D = 1890 Mcf/day ✓

Company El Paso Natural Gas
By Harold H. Hendricks
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 (1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
<u>3154</u>	<u>.205</u>	<u>292.478</u>	<u>59,958</u>	<u>284,089</u>	<u>344,047</u>	<u>587</u>

D at 500 = 1852



OK

