

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)

72-251-01

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

Operator El Paso Natural Gas Lease Johnston State Well No. 6
Unit E Sec. 36 Twp. 26N Rge. 6W Pay Zone: From 2866 To 2918
Casing: OD 5.5 WT. 15.5 Set At 2957 Tubing: OD 1.25 WT. 2.4 T. Perf. 2891
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .674 Estimated _____
Date of Flow Test: From 12/7/58 To 12/15/58 Date S.I.P. Measured 8/28/58 (43 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. 500 = 266 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 266 psia (h)
P_t = (h) + (f) _____ = 266 psia (i)
Wellhead casing shut-in pressure (Dwt) 906 psig + 12 = 918 psia (j)
Wellhead tubing shut-in pressure (Dwt) 906 psig + 12 = 918 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 918 psia (l)
Flowing Temp. (Meter Run) _____ 50 °F + 460 _____ = 510 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 459 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{295} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 295 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{632,043}{765,005} \cdot \frac{.8261}{.8502} = \text{251} \text{ MCF/da.}$

SUMMARY

P_c = 918 psia
Q = 295 Mcf/day
P_w = 280 279 psia
P_d = 459 psia
D = 251 Mcf/day

Company El Paso Natural Gas
By _____ Original Signed
Title _____
Witnessed by Harold L. Kendrick
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
1949	.132	52,751	6,963	70,756	77,719	279

D at 250 = 296

OK



