

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 Canyon Largo ~~Undiscovered~~ Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Harvey State Well No. 11
Unit N Sec. 16 Twp. 25 Rge. 6 Pay Zone: From 2380 To 2401
Casing: OD 5 1/2 WT. 25.5 Set At 2401 Tubing: OD 1 1/4 WT. 2.3 T. Perf. 2892
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .635 Estimated _____
Date of Flow Test: From 12-21-57 To 1-9-58 * Date S.I.P. Measured 8-22-57
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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.25) ² x sp. const. 5 = _____ 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) 860 psig + 12 = 872 psia (j)
Wellhead tubing shut-in pressure (Dwt) 860 psig + 12 = 872 psia (k)
P_c = (j) or (k) whichever well flowed through 45 = 872 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 436 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{V(c)}{V(d)} \right)^* = \underline{196}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 196 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{166}$ MCF/da.
 $\frac{570288}{691215}$ $\frac{.8250}{.8491}$

SUMMARY

P_c = 872 psia
Q = 196 Mcf/day
P_w = 863 psia
P_d = 436 psia
D = 166 Mcf/day

Company El Paso Natural Gas
By _____
Title Original Signed
Witnessed by Lewis D. Galloway
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 Negligible

D at 250 = 196



