

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)

72-080-01

Pool Aztec Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease McCulley Well No. 2 (P)
Unit L Sec. 14 Twp. 28N Rge. 9W Pay Zone: From 2244 To 2302
Casing: OD 7-5/8 WT. 26.4 Set At 2417 Tubing: OD 2" WT. 4.7 T. Perf. 4580
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .651 Estimated _____
Date of Flow Test: From 8/22/58 To 8/30/58 * Date S.I.P. Measured 9/14/58 (7 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 (7.00) ² x sp. const. .500 _____ = 245 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 245 psia (h)
P_t = (h) + (f) _____ = 245 psia (i)
Wellhead casing shut-in pressure (Dwt) 536 psig + 12 = 548 psia (j)
Wellhead tubing shut-in. pressure (Dwt) 536 psig + 12 = 548 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 548 psia (l)
Flowing Temp. (Meter Run) 75 °F + 460 _____ = 535 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 274 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{991}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 991 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{938}$ MCF/day
 $\frac{225228}{240279}$ $\frac{.9373}{.9464}$

SUMMARY

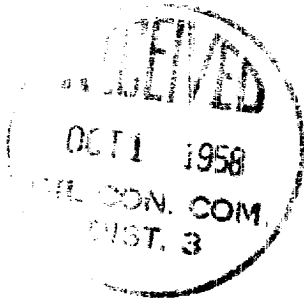
P_c = 548 psia Company El Paso Natural Gas
Q = 991 Mcf/day By (Original Signed)
P_w = 245 psia Title Harold L. Kendrick
P_d = 274 psia Witnessed by _____
D = 938 Mcf/day Company _____

* 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 Negligible			

D at 250 = 961



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