

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 South Elance Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Company Lease Florance Well No. 6-D
Unit B Sec. 18 Twp. 27 Rge. 8 Pay Zone: From 2098 To 2130
Casing: OD 5 1/2 WT. 15.5 Set At 2174 Tubing: OD 1 1/4 WT. 2.3 T. Perf. 2079
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 635 Estimated _____
Date of Flow Test: From 11/8/56 To 11/16/56 * Date S.I.P. Measured 7/9/56
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 (7.65) ² x sp. const. 5 _____ = _____ 293 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ 293 psia (h)
P_t = (h) + (f) _____ = _____ 293 psia (i)
Wellhead casing shut-in pressure (Dwt) 807 psig + 12 = _____ 819 psia (j)
Wellhead tubing shut-in pressure (Dwt) 807 psig + 12 = _____ 819 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ 819 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 _____ = _____ 517 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ 410 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{\text{(integrated)}}{\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{341} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{\left[\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right)^n \right]}{\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right)^n} = \underline{300} \text{ MCF/da.}$$

SUMMARY

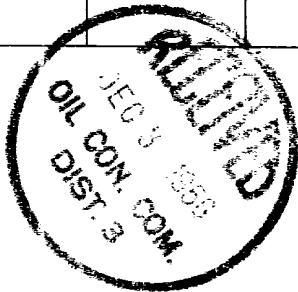
P_c = 819 psia
Q = 341 Mcf/day
P_w = 293 psia
P_d = 410 psia
D = 300 Mcf/day
Company El Paso Natural Gas Company
By L. D. Galloway
Title Sr. Gas Engineer
Witnessed by _____
Company _____

* 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
			Friction Negligible			

D @ 250 = 350



1900-1901

1900-1901

1900-1901

1900-1901

1900-1901

1900-1901

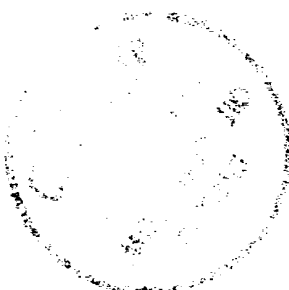
1900-1901

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