

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 West Kutz Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Huerfano Unit Well No. 80
Unit P Sec. 32 Twp. 27 Rge. 10 Pay Zone: From 1773 To 1792
Casing: OD 5 1/2 WT. 15.5 Set At 1865 Tubing: OD 1 1/4 WT. 2.3 T. Perf. 1773
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .615 Estimated _____
Date of Flow Test: From 5/23 To 6/1/57 * Date S.I.P. Measured 11/29/56 (9 days)
Meter Run Size 4 Orifice Size 1.250 Type Chart Sq. Rt. Type Taps Flange

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 (6.60) ² x sp. const. 5 _____ = 218 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 218 psia (h)
P_t = (h) + (f) _____ = 218 psia (i)
Wellhead casing shut-in pressure (Dwt) 419 psig + 12 = 431 psia (j)
Wellhead tubing shut-in pressure (Dwt) 419 psig + 12 = 431 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 431 psia (l)
Flowing Temp. (Meter Run) 63 °F + 460 _____ = 523 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 216 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{ } }{\sqrt{(d)}} = \text{ } \right)^* = \underline{1011} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 1011 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{1.0062}{1.0053} = \underline{1016} \text{ MCF/da.}$
 $\frac{139,105}{138,237}$

SUMMARY

P_c = 431 psia
Q = 1011 Mcf/day
P_w = 218 psia
P_d = 216 psia
D = 1016 Mcf/day

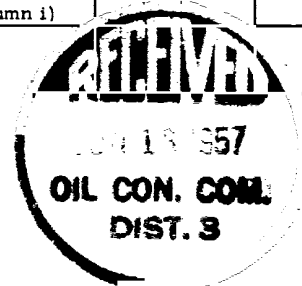
Company El Paso Natural Gas Company
By J. H. Sanborn
Title _____
Witnessed by _____
Company _____

- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(FcQ) ²	(FcQ) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			FRICTION NEGLIGIBLE			

D at 250 = 878



OIL CONSERVATION COMMISSION

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