

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 Blanco Formation Mezq Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 32-9 Well No. 30
Unit H Sec. 36 Twp. 32 Rge. 10 Pay Zone: From 5358 To 5872
Casing: OD 5 1/2 WT. 15.5 Set At 5885 Tubing: OD 2 WT. 4.7 T. Perf. 5787
Produced Through: Casing _____ Tubing I Gas Gravity: Measured _____ Estimated .670
Date of Flow Test: From 3/8 To 3/16 * Date S.I.P. Measured 10/11/55
Meter Run Size 4 Orifice Size _____ Type Chart 84. 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 (7.60)² x sp. const. 10 _____ = 578 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 578 psia (h)
P_t = (h) + (f) _____ = 578 psia (i)
Wellhead casing shut-in pressure (Dwt) 1040 psig + 12 = 1052 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1041 psig + 12 = 1053 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1053 psia (l)
Flowing Temp. (Meter Run) 66 °F + 460 _____ = 526 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 527 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \underline{998} \text{ MCF/da}$

(integrated)

DELIVERABILITY CALCULATION

D = Q 998 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{831,080}{753,067} \right]^n \frac{1.1036}{1.0768} = \underline{1075} \text{ MCF/da.}$

SUMMARY

P_c = 1053 psia
Q = 998 Mcf/day
P_w = 596 psia
P_d = 527 psia
D = 1075 Mcf/day

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

* This is date of completion test.

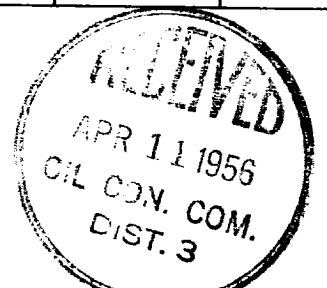
* Meter error correction factor

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
<u>3877</u>	<u>.246</u>	<u>88.041</u>	<u>21,658</u>	<u>334,081</u>	<u>355,742</u>	<u>596</u>

D @ 500 = 1067

[Handwritten Signature]



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