

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 Mesa Verde Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Co. Lease San Juan 28-7 Well No. 19
Unit G Sec. 25 Twp. 28N Rge. 7W Pay Zone: From 4583 To 5257
Casing: OD 7 WT. 20 & 23 Set At 4583 Tubing: OD 2 WT. 4.7 T. Perf. 5283
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .735
Date of Flow Test: From 2/29 To 3/8 * Date S.I.P. Measured 7/29/55
Meter Run Size 4 Orifice Size _____ 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 (7.85) ² x sp. const. 1000 = 616 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 616 psia (h)
P_t = (h) + (f) _____ = 616 psia (i)
Wellhead casing shut-in pressure (Dwt) 1074 psig + 12 = 1086 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1065 psig + 12 = 1077 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1077 psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 _____ = _____ °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 539 psia (n)

Q = 413 (integrated) X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{_____}$ MCF/da

DELIVERABILITY CALCULATION

D = Q 413 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{869,408}{776,764} \cdot \frac{1.1193}{1.0882} = \underline{449}$ MCF/da.

SUMMARY

P_c = 1077 psia
Q = 413 Mcf/day
P_w = 619 psia
P_d = 539 psia
D = 449 Mcf/day

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

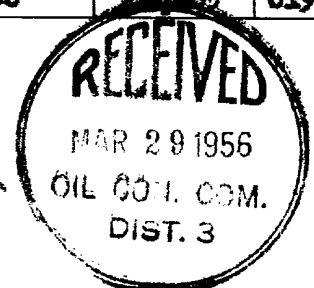
* This is date of completion test.
* Meter error correction factor

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
<u>3883</u>	<u>.246</u>	<u>15.078</u>	<u>3709</u>	<u>379,456</u>	<u>381,165</u>	<u>619</u>

D @ 500 = 460

OK



OIL CONSERVATION COMMISSION
ZEPHYRUS DISTRICT OFFICE
No. _____ 3
Date _____
To _____
For _____
\$_____
Paid by _____
Cash _____
By check No. _____
Total _____
Signature _____
Name _____
Title _____
Address _____
City _____
State _____
Zip _____