

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 Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease San Juan 32-9 Unit Well No. 28
Unit K Sec. 26 Twp. 32 Rge. 10 Pay Zone: From 5689 To 6322
Casing: OD 5½ WT. 15.5 Set At 6360 Tubing: OD 2 WT. 4.7 T. Perf. 6231
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 670 Estimated _____
Date of Flow Test: From 4-22 To 4-30 * Date S.I.P. Measured 2-6-56
Meter Run Size 4 Orifice Size - Type Chart Sq. Root 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 ave. meter press. (p_f) (g) + (e) = 578 psia (h)
P_t = (h) + (f) = 578 psia (i)
Wellhead casing shut-in pressure (Dwt) 975 psig + 12 = 987 psia (j)
Wellhead tubing shut-in pressure (Dwt) 864 psig + 12 = 876 psia (k)
P_c = (j) or (k) whichever well flowed through = 876 psia (l)
Flowing Temp. (Meter Run) 87 °F + 460 = 547 °Abs (m)
P_d = ½ P_c = ½ (l) = 438 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(d)}}} \right)^* = \underline{1132} MCF/day
(integrated)$

DELIVERABILITY CALCULATION

D = Q 1132 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{575,532}{403,614} \cdot \frac{1.4259}{1.3055} = \underline{1478} MCF/day.$

SUMMARY

P_c = 876 psia
Q = 1132 Mcf/day
P_w = 603 psia
P_d = 438 psia
D = 1478 Mcf/day

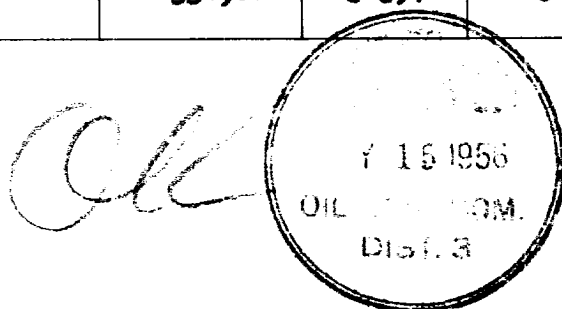
Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

* 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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		
<u>4175</u>	<u>.262</u>	<u>113.273</u>	<u>29,678</u>	<u>334,084</u>	<u>363,762</u>	<u>603</u>

D @ 500 = 1270



OIL CONSERVATION COMMISSION	
DISTRICT OFFICE	
Received	3
DATE	1/1/52
BY	
NAME	
ADDRESS	
CITY	
STATE	
ZIP	
U. S. G. No.	
Transporter	
File	

