

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 Man Vado County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease San Juan 28-7 Unit Well No. 57
Unit H Sec. 30 Twp. 28 Rge. 7 Pay Zone: From 4206 To 4800
Casing: OD 5 1/2 WT. 25.5 Set At 4395 Tubing: OD 2 WT. 4.7 T. Perf. 4781
Produced Through: Casing _____ Tubing IX Gas Gravity: Measured 713 Estimated _____
Date of Flow Test: From 10/9/56 To 10/17/56 * Date S.I.P. Measured 4/6/56 (12 days)
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 (7.25) ² x sp. const. 10 _____ = 526 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) _____ = 526 psia (h)
P_t = (h) + (f) _____ = 526 psia (i)
Wellhead casing shut-in pressure (Dwt) 1099 psig + 12 = 1111 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1094 psig + 12 = 1106 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1106 psia (l)
Flowing Temp. (Meter Run) 70 °F + 460 _____ = 530 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 553 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{1032}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1032 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{1005}$ MCF/da.
 $\frac{927,427}{925,847} = .9932$

SUMMARY

P_c = 1106 psia
Q = 1032 Mcf/day
P_w = 545 psia
P_d = 553 psia
D = 1005 Mcf/day

Company El Paso Natural Gas Company
By L. D. Ballweys
Title _____
Witnessed by _____
Company _____

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

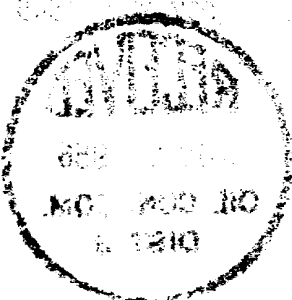
REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(FcQ) ² (1-e ^{-S})	P _t ²	P _t ² + R ²	P _w
		R ²	(Column i)		
<u>3418</u>	<u>.000</u>	<u>20,713</u>	<u>276,076</u>	<u>297,100</u>	<u>545</u>

D @ 500 = 1044

OK





OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>3</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Proration Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
File	<u>1</u>	<input checked="" type="checkbox"/>
		TOTAL = 001