

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 Aztec Pictured Cliffs Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease Schoen Well No. 1
Unit N Sec. 27 Twp. 30N Rge. 10W Pay Zone: From 2586 To 2663
Casing: OD 7 WT. 20 & 23 Set At 4107 Tubing: OD 2 WT. 4.7 T. Perf. 2659
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .705
Date of Flow Test: From 2/29 To 3/8 * Date S.I.P. Measured 1/17/56
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 (4.20)² x sp. const. 10 = 176 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 176 psia (h)
P_t = (h) + (f) = 176 psia (i)
Wellhead casing shut-in pressure (Dwt) 705 psig + 12 = 717 psia (j)
Wellhead tubing shut-in pressure (Dwt) 705 psig + 12 = 717 psia (k)
P_c = (j) or (k) whichever well flowed through = 717 psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 = 513 °Abs (m)
P_d = ½ P_c = ½ (l) = 359 psia (n)

Q = 235 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{_____} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 235 $\left[\frac{(P_c^2 - P_d^2) = \text{_____}}{(P_c^2 - P_w^2) = \text{_____}} \right]^n \frac{.7984}{.8260} = \text{_____} \text{ MCF/da.}$
385,208
482,489

SUMMARY

P_c = 717 psia
Q = 235 Mcf/day
P_w = 178 psia
P_d = 359 psia
D = 194 Mcf/day

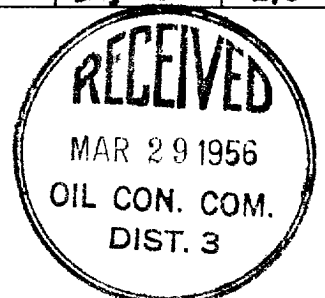
Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

* 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>1875</u>	<u>.127</u>	<u>4.880</u>	<u>.624</u>	<u>30,976</u>	<u>31,600</u>	<u>178</u>

D @ 250 = 219



OIL CONSERVATION COMMISSION		
ATTENDANCE OFFICE		
No. Copies	3	
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TIME		
BY		
TO		
FROM		
REMARKS		
FILE		