

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 South Blanco Pictured Cliff Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease Reams Well No. 3-A
Unit A Sec. 25 Twp. 26N Rge. 6W Pay Zone: From 2990 To 3050
Casing: OD 5½ WT. 15.5 Set At 2990 Tubing: OD 1 WT. 1.68 T. Perf. 3002
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated 695
Date of Flow Test: From Jan. 8 To Jan. 16 * Date S.I.P. Measured September 29, 1955
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. 5 _____ = 289 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 289 psia (h)
P_t = (h) + (f) _____ = 289 psia (i)
Wellhead casing shut-in pressure (Dwt) 967 psig + 12 = 979 psia (j)
Wellhead tubing shut-in pressure (Dwt) 967 psig + 12 = 979 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 979 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 _____ = _____ °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 490 psia (n)

FLOW RATE CALCULATION

Q = 1311 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) =$ _____ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1311 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{.8210}{.8458} =$ 1109 MCF/da.

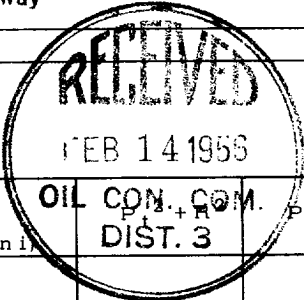
SUMMARY

P_c = 979 psia
Q = 1311 Mcf/day
P_w = 289 psia
P_d = 490 psia
D = 1109 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 _w
			R ²	(Column 1)	
			Friction Negligible		



OK

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	No.	
Operator		
Santa Fe	1	
Production Office		
State Land Office		
U. S. G. S.	1	