

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 Elance 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. 30
Unit L Sec. 18 Twp. 28N Rge. 7W Pay Zone: From 5074 To 5728
Casing: OD 7 WT. 20 & 23 Set At 5032 Tubing: OD 2 WT. 4.7 T. Perf. 5662
Produced Through: Casing _____ Tubing I Gas Gravity: Measured _____ Estimated .675
Date of Flow Test: From 1/16 To 1/23/56 * Date S.I.P. Measured 6/20/55
Meter Run Size 4 Orifice Size _____ Type Chart 84. 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 (7.40) ² x sp. const. 10 = 548 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 548 psia (h)
P_t = (h) + (f) _____ = 548 psia (i)
Wellhead casing shut-in pressure (Dwt) 1034 psig + 12 = 1046 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1024 psig + 12 = 1036 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1036 psia (l)
Flowing Temp. (Meter Run) 77 °F + 460 _____ = 537 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 518 psia (n)

Q = 214 (integrated) X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{214} \text{ MCF/da}$
 $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 214 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{1.0427}{1.0318} = \text{221} \text{ MCF/da.}$
 $\frac{804,972}{772,008}$

SUMMARY

P_c = 1036 psia
Q = 214 Mcf/day
P_w = 549 psia
P_d = 518 psia
D = 221 Mcf/day

Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Gaff
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 DIST. 3	P _w
<u>3822</u>	<u>0.243</u>	<u>4.048</u>	<u>984</u>	<u>300,304</u>	<u>301,288</u>	<u>549</u>

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received

3

DISTRIBUTION

	COPIES FURNISHED	
Operator		
State Po	1	
Proration Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓