

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 Lease Atlantic Well No. 1
Unit H Sec. 25 Twp. 31 Rge. 10 Pay Zone: From 5038 To 5601
Casing: OD 5½ WT. 15.5 Set At 5726 Tubing: OD 2 WT. 4.7 T. Perf. 5601
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .655 Estimated _____
Date of Flow Test: From 8/31 To 9/8 * Date S.I.P. Measured 7/18/56
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 (5.95) ² x sp. const. 15 = 531 psia (g) ✓
Corrected seven day avge. meter press. (p_f) (g) + (e) = 531 psia (h) ✓
P_t = (h) + (f) = 531 psia (i) ✓
Wellhead casing shut-in pressure (Dwt) 993 psig + 12 = 1005 psia (j) ✓
Wellhead tubing shut-in pressure (Dwt) 898 psig + 12 = 910 psia (k) ✓
P_c = (j) or (k) whichever well flowed through = 910 psia (l) ✓
Flowing Temp. (Meter Run) 85 °F + 460 = 545 °Abs (m) ✓
P_d = ½ P_c = ½ (l) = 455 psia (n) ✓

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{2280} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION
D = Q 2280 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{621,075}{438,605} \cdot \frac{1.4160}{1.2980} = \text{2959} \text{ MCF/da.}$

SUMMARY
P_c = 910 psia
Q = 2280 Mcf/day
P_w = 624 psia
P_d = 455 psia
D = 2959 Mcf/day
Company El Paso Natural Gas
By M. Holloway
Title _____
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + P _w ²	P _w
3669	.234	459.545	107,534		281,961	389,495	624

D @ 500 = 234



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