

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)

72-345

Pool East Blanco Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 30-4 Well No. 23
Unit P Sec. 4 Twp. 30 Rge. 4 Pay Zone: From 4088 To 4350
Casing: OD 5-1/2 WT. 15.5 Set At 4407 Tubing: OD 2" WT. 4.7 T. Perf. 4328
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .643 Estimated _____
Date of Flow Test: From 12/15/58 To 12/22/58 * Date S.I.P. Measured 9/29/58 (7)
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 (7.00) ² x sp. const. 10 = 490 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 490 psia (h)
P_t = (h) + (f) _____ = 490 psia (i)
Wellhead casing shut-in pressure (Dwt) 1168 psig + 12 = 1180 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1168 psig + 12 = 1180 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1180 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 590 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{79} \text{ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 79 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{.9062}{.9196} = \text{73} \text{ MCF/day}$

SUMMARY

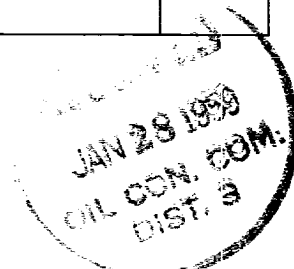
P_c = 1180 psia Company El Paso Natural Gas
Q = 79 Mcf/day By Original Signed
P_w = 490 psia Title Harold L. Kendrick
P_d = 590 psia Witnessed by _____
D = 73 Mcf/day Company _____

* 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 |
|----|----------------------|---------------------------------|--|---|--|----------------|
| | | | Friction Negligible | | | |

D at 250 = 89



OK

