

Initial Deliverability
TestForm C-123-A
Revised April 29, 1958NEW 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 Formation County
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed
Operator El Paso Natural Gas Co. Lease Storey Well No. 32-C
Unit Sec. Twp. Rge. Pay Zone: From 7460 To 7874
Casing: OD 7-1/2 WT. 17.00 Set At 7730 Tubing: OD 2-3/8 WT. 4.70 T. Perf. 7790
Produced Through: Casing Tubing Gas Gravity: Measured .607 Estimated
Date of Flow Test: From 6/20/60 To 6/20/60 * Date S.I.P. Measured 10/12/60
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 ()² x sp. const. = 400 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 400 psia (h)
P_t = (h) + (f) = 400 psia (i)
Wellhead casing shut-in pressure (Dwt) 2000 psig + 12 = 2012 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1997 psig + 12 = 2009 psia (k)
P_c = (j) or (k) whichever well flowed through = 2009 psia (l)
Flowing Temp. (Meter Run) °F + 460 = °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 1005 psia (n)

FLOW RATE CALCULATION

Q = 712 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{\underline{712}}$ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 712 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{\underline{61}}$ MCF/day
376096
374709
.8460

SUMMARY

P_c = 2009 psia
Q = 712 Mcf/day
P_w = 984 psia
P_d = 1005 psia
D = 61 Mcf/day

Company El Paso Natural Gas Co.
By
Title Original signed by
Witnessed by H. L. Kendrick
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>7861</u>	<u>.308</u>	<u>46.077</u>	<u>14.132</u>	<u>200.100</u>	<u>200.408</u>	<u>984</u>

D at 300 = 719

