

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)

70-073-01

Pool El Paso Formation San Juan County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Belack Well No. 13-0 (10)
Unit N Sec. 09 Twp. 37 Rge. 6 Pay Zone: From 4030 To 4920
Casing: OD 5-1/2 WT. 15-1/2 Set At 4025 Tubing: OD 2 WT. 4.7 T. Perf. 4920
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .730 Estimated _____
Date of Flow Test: From 10/30/58 To 10/30/58 * Date S.I.P. Measured 7/0/58 (10 days)
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 (7.05) ² x sp. const. 10 _____ = 497 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 497 psia (h)
P_t = (h) + (f) _____ = 497 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1115 psig + 12 = 1127 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1127 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 302 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 303 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{300}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 300 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{300}$ MCF/da.
1.000 $\left[\frac{1,000,000}{1,000,000} \right]^n$.951

SUMMARY

P_c = 1127 psia
Q = 300 Mcf/day
P_w = 497 psia
P_d = 303 psia
D = 300 Mcf/day

CONSIDERED COPY

Company El Paso Natural Gas
By Original Signer
Title Harold L. Kenarick
Witnessed by _____
Company _____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻⁵)	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁵) R ²	P _t ² (Column 1)	P _t ² + R ²	P _w
<u>3046</u>	<u>.992</u>	<u>9.054</u>	<u>8910</u>	<u>217009</u>	<u>2179009</u>	<u>497</u>

D at 300 = 316



