

Initial Deliverability
Test

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)

74-836

Pool Ballard Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Canyon Largo Well No. 64
Unit B Sec. 4 Twp. 24 Rge. 6 Pay Zone: From 2150 To 2230
Casing: OD 5-1/2 WT. 15.5 Set At 2279 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2191
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .675 Estimated _____
Date of Flow Test: From 7/7/59 To 7/15/59 * Date S.I.P. Measured 5/12/59
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 223 psig + 12 = _____ psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = 235 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 235 psia (h)
P_t = (h) + (f) _____ = 235 psia (i)
Wellhead casing shut-in pressure (Dwt) 628 psig + 12 = 640 psia (j)
Wellhead tubing shut-in pressure (Dwt) 628 psig + 12 = 640 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 640 psia (l)
Flowing Temp. (Meter Run) 73 °F + 460 _____ = 533 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 320 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{156}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 156 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{.8705}{.8889} = \text{139}$ MCF/da.

SUMMARY

P_c = 640 psia Company El Paso Natural Gas
Q = 156 Mcf/day By Original Signed
P_w = 238 psia Title Harold L. Kendrick
P_d = 320 psia Witnessed by _____
D = 139 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
1479	.102	14.753	1,505	55225	56730	238

D at 250 = 151



