

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 OTERO Formation PICTURED CLIFFS County RIO ARriba
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 5-7-56

Operator MIKE ABRAHAM Lease JICARILLA Well No. 10
Unit 0 Sec. 28 Twp. 24N Rge. 5W Pay Zone: From 2256 To 2340
Casing: OD 5-1/2" WT. 14# Set At 2350 Tubing: OD 1" WT. 1.7# T. Perf. 2290
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.690 Estimated _____
Date of Flow Test: From 3-23-56 To 3-31-56 Date S.I.P. Measured 12-1-55
Meter Run Size 4" Orifice Size 1.000 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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading 8.05 _____ psig + 12 = 324 _____ psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = 324 _____ psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = 324 _____ psia (h)
P_t = (h) + (f) _____ = 665 _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 653 _____ psig + 12 = 665 _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 653 _____ psig + 12 = 665 _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 665 _____ psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 _____ = 333 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 333 _____ psia (n)

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

DELIVERABILITY CALCULATION

D = Q 238 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{311,000}{318,000}^n \cdot 0.9815 = \frac{234}{9847}$ MCF/da.

SUMMARY

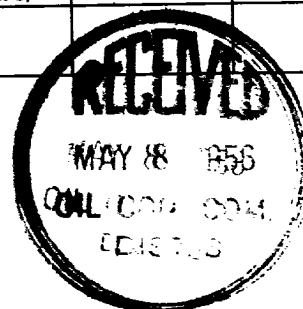
P_c = 665 _____ psia
Q = 238 _____ Mcf/day
P_w = 324 _____ psia
P_d = 333 _____ psia
D = 234 _____ Mcf/day

Company MIKE ABRAHAM
By Angel L. Starks
Title Engineer
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 (1-e ^{-S}) B ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction negligible			



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