

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 BALLARD Formation PICTURED CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 2-3-56
Operator J. GLENN TURNER Lease MINERATED UNIT Well No. 10-36
Unit A Sec. 36 Twp. 27N Rge. 9W Pay Zone: From 2015 To 2006
Casing: OD 5-1/2" WT. 14# Set At 2020 Tubing: OD 1" WT. 1.7# T. Perf. 2076-81
Produced Through: Casing x Tubing _____ Gas Gravity: Measured 0.640 Estimated _____
Date of Flow Test: From 12-17-55 To 12-24-55 * Date S.I.P. Measured 6-21-55
Meter Run Size 4.027 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:
(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 240 psig + 12 = 252 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 252 psia (h)
P_t = (h) + (f) _____ = 252 psia (i)
Wellhead casing shut-in pressure (Dwt) 642 psig + 12 = 654 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 654 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 654 psia (l)
Flowing Temp. (Meter Run) 48 °F + 460 _____ = 508 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 327 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{_____ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 191 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{_____ MCF/day}$
 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right] = \frac{320,787}{364,212}$ n = 0.85

SUMMARY

P_c = 654 psia
Q = 191 Mcf/day
P_w = 252 psia
P_d = 327 psia
D = 172 Mcf/day

Company J. GLENN TURNER
By Michael P. Strake
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}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction Negligible			

From EPNG Chart #71-095-01 Q = (1340) 24
(168)



OK

OIL CONSERVATION COMMISSION

ALBANY DISTRICT OFFICE

No. 10, 1st Floor

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REPORT

SALES

PERIOD

DATE

TIME

PLACE

BY

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