

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 ★ 4-17-56

Operator J. GLENN TURNER Lease HUERFANITO UNIT Well No. 27-34
Unit M Sec. 34 Twp. 27N Rge. 9W Pay Zone: From 2318 To 2390
Casing: OD 5-1/2" WT. 14* Set At 2323 Tubing: OD 1" WT. 1.7* T. Perf. 2354
Produced Through: Casing x Tubing _____ Gas Gravity: Measured 0.650 Estimated _____
Date of Flow Test: From 3-8-56 To 3-16-56 * Date S.I.P. Measured 11-30-55
Meter Run Size 4" Orifice Size 1.500 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 _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.8)² x sp. const. 5 = 304 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 304 psia (h)
P_t = (h) + (f) = 304 psia (i)
Wellhead casing shut-in pressure (Dwt) 642 psig + 12 = 654 psia (j)
Wellhead tubing shut-in pressure (Dwt) 642 psig + 12 = 654 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 = 513 °Abs (m)
P_d = ½ P_c = ½ (l) = 327 psia (n)

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

DELIVERABILITY CALCULATION
D = Q 456 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{321,000}{336,000}^n = \frac{0.9631}{0.9364} = \frac{437}{428} \text{ MCF/da.}$

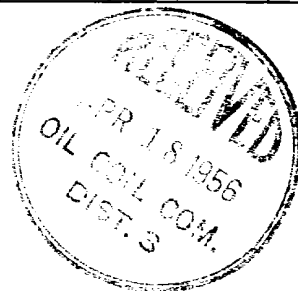
SUMMARY
P_c = 654 psia
Q = 456 Mcf/day
P_w = 304 psia
P_d = 327 psia
D = 437 Mcf/day

Company J. GLENN TURNER
By Michael R. Crake
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			



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