

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 4-18-56

Operator J. GLEN TURNER Lease MURFANITO UNIT Well No. 35-34
Unit A Sec. 34 Twp. 27N Rge. 9W Pay Zone: From 2261 To 2334
Casing: OD 5-1/2" WT. 14* Set At 2264 Tubing: OD 1" WT. 1.7* T. Perf. 2324
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.645 Estimated _____
Date of Flow Test: From 3-8-56 To 3-16-56 * Date S.I.P. Measured 2-4-56
Meter Run Size 4" Orifice Size 1.000 Type Chart Sq. Rt. Type Taps Flanged

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 (7.95)² x sp. const. 5 _____ = 316 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 316 psia (h)
P_t = (h) + (f) _____ = 316 psia (i)
Wellhead casing shut-in pressure (Dwt) 633 psig + 12 = 645 psia (j)
Wellhead tubing shut-in pressure (Dwt) 633 psig + 12 = 645 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 645 psia (l)
Flowing Temp. (Meter Run) 47 °F + 460 _____ = 507 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 323 psia (n)

FLOW RATE CALCULATION

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

(Integrated)

DELIVERABILITY CALCULATION

$$D = Q \text{ 226 } \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \text{ 9879 } \text{ 0.9915 } = \text{ 224 } \text{ MCF/day}$$

SUMMARY

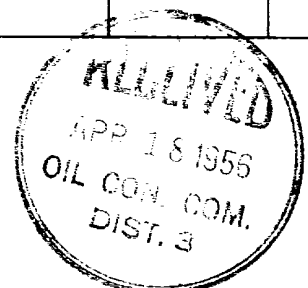
P_c = 645 psia
Q = 226 Mcf/day
P_w = 316 psia
P_d = 323 psia
D = 224 Mcf/day

Company J. GLEN TURNER
By Alvin R. 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			



1. NAME OF THE PARTY 2. ADDRESS 3. PHONE NO.		3
4. DATE OF BIRTH 5. DATE OF DEATH		1
6. NAME OF THE PARTY 7. ADDRESS 8. PHONE NO.		1
9. NAME OF THE PARTY 10. ADDRESS 11. PHONE NO.		1 ✓