

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. GLENN TURNER Lease HUERFANITO UNIT Well No. 31-33
Unit N Sec. 33 Twp. 27N Rge. 9W Pay Zone: From 2277 To 2340
Casing: OD 5-1/2" WT. 14* Set At 2284 Tubing: OD 1" WT. 1.7* T. Perf. 2329
Produced Through: Casing x Tubing _____ Gas Gravity: Measured 0.645 Estimated _____
Date of Flow Test: From 3-16-56 To 3-23-56 * Date S.I.P. Measured 1-11-56
Meter Run Size 4" Orifice Size 1.250 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 (7.9)² x sp. const. 5 = 312 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 312 psia (h)
P_t = (h) + (f) = 312 psia (i)
Wellhead casing shut-in pressure (Dwt) 649 psig + 12 = 661 psia (j)
Wellhead tubing shut-in pressure (Dwt) 649 psig + 12 = 661 psia (k)
P_c = (j) or (k) whichever well flowed through = 661 psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 = 513 °Abs (m)
P_d = ½ P_c = ½ (l) = 331 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 247 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 239 MCF/da.
9694
0.9675

SUMMARY

P_c = 661 psia
Q = 247 Mcf/day
P_w = 312 psia
P_d = 331 psia
D = 239 Mcf/day

Company J. GLENN TURNER
By Heigil P. Coats
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			



Name		Room	
Date		Time	
		3	
		1	
		1	
		1	
		✓	