

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 2-27-56
Operator FRANK A. SCHULTZ, JR. Lease PAYNE Well No. 1-14
Unit 6 Sec. 14 Twp. 25N Rge. 8W Pay Zone: From 2598 To 2640
Casing: OD 5-1/2" WT. 14" Set At 2604 Tubing: OD 1" WT. 1.7" T. Perf. 2633-38
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.698 Estimated _____
Date of Flow Test: From 12-23-55 To 12-31-55 * Date S.I.P. Measured July 2, 1955
Meter Run Size 4.027 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 281 psig + 12 = 293 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = 293 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 293 psia (h)
P_t = (h) + (f) _____ = 293 psia (i)
Wellhead casing shut-in pressure (Dwt) 651 psig + 12 = 663 psia (j)
Wellhead tubing shut-in pressure (Dwt) 651 psig + 12 = 663 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 663 psia (l)
Flowing Temp. (Meter Run) 54 °F + 460 _____ = 514 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 332 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{V(c)}{V(d)} \right) = \text{_____} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \times \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{_____} \text{ MCF/da.}$$

SUMMARY

P_c = 663 psia
Q = 867 Mcf/day
P_w = 293 psia
P_d = 332 psia
D = 816 Mcf/day

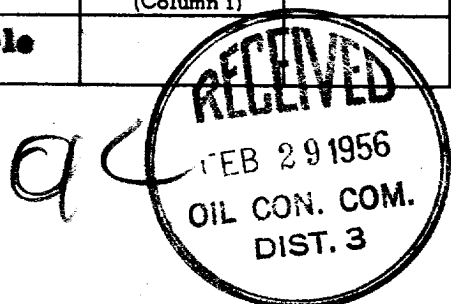
Company FRANK A. SCHULTZ, JR.
By [Signature]
Title Engineer
Witnessed by _____
Company _____

* 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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		
			Friction negligible			

From EFG Chart #74-387-01 Q = (6500) 24
(100)



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