

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 SOUTH BLANCO Formation PICTURED CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 2-27-56
Operator EPNG FRANK A. SCHULTZ, JR. Lease Schultz STATE STATE Well No. 4-16
Unit 1 J Sec. 16 Twp. 27N Rge. 8W Pay Zone: From 2126 To 2205
Casing: OD 5-1/2" WT. 14* Set At 2123 Tubing: OD 1" WT. 1.7* T. Perf. 2184-89
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.645 Estimated _____
Date of Flow Test: From 12-23-55 To 12-31-55 * Date S.I.P. Measured August 6, 1955
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 254 psig + 12 = 266 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = 266 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 266 psia (h)
P_t = (h) + (f) _____ = 266 psia (i)
Wellhead casing shut-in pressure (Dwt) 876 psig + 12 = 888 psia (j)
Wellhead tubing shut-in pressure (Dwt) 875 psig + 12 = 887 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 888 psia (l)
Flowing Temp. (Meter Run) 49 °F + 460 _____ = 509 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 444 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 397 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 0.848 = 337 MCF/da.

SUMMARY

n = 0.85

P_c = 888 psia
Q = 397 Mcf/day
P_w = 266 psia
P_d = 444 psia
D = 337 Mcf/day

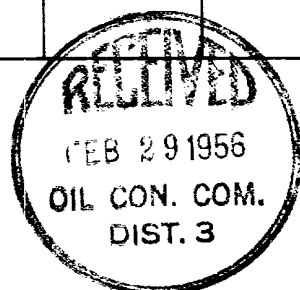
Company FRANK A. SCHULTZ, JR.
By [Signature]
Title Engineer
Witnessed by _____
Company _____

- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻⁸)	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸)	P _t ² (Column 1)	P _t ² + R ²	P _w
			R ²			
			Friction negligible			

From EPNG Chart #71-162-01 Q = $\frac{(1092)}{(66)} 24$



10-10-12 A 1234

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