

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

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 Blanco Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed _____

Operator Anderson-Frithard Lease Frithard Federal Well No. 8
Unit _____ Sec. 6 Twp. 29 Rge. 8 Pay Zone: From 3075 To 3077
Casing: OD 4 1/2 WT. 9.5 Set At 3148 Tubing: OD 1.315 WT. 1.80 T. Perf. 3075
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated _____
Date of Flow Test: From 11-29 To 12-7 * Date S.I.P. Measured Aug. 1960 8 day
Meter Run Size _____ Orifice Size 1.50 Type Chart _____ Type Taps _____

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 7.15 _____ psig + 12 = 511 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: _____ = _____ psi (f)
(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 (7.15) ² x sp. const. 1000 _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 1005 _____ psig + 12 = 1017 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 1017 psia (k)
P_c = (j) or (k) whichever well flowed through 51 _____ = 511 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 300 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

Q = 524 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{524}$ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 524 $\left[\frac{(P_c^2 - P_d^2) = 776325}{(P_c^2 - P_w^2) = 1.1567} \right]^n \frac{1.1151}{\text{_____}} = \text{524}$
SUMMARY 1017
P_c = _____ psia
Q = 524 Mcf/day
P_w = 505 psia
P_d = 500 psia
D = 524 Mcf/day
Company Anderson-Frithard
By _____
Title Thurmond McElhiney
Witnessed by John McElhiney
Company _____
RECEIVED
JAN 3 1961
OIL CON. COM.
DIST 3

- * 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 1)	P _t ² + R ²	P _w
1881	.128	705.43	90.295	261121	261121	505

OK