

Initial Deliverability
Test
72-224

Form O-1224A
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 El Paso Natural Gas Formation El Paso Natural Gas County El Paso
Purchasing Pipeline El Paso Natural Gas Date Test Filed 12/30/59
Operator El Paso Natural Gas Lease San Juan 30-5 Well No. 25-8
Unit 1 Sec. 8 Twp. 30 Rge. 5 Pay Zone: From 2730 To 2800
Casing: OD 5-1/2 WT. 15.5 Set At 5700 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 9000
Produced Through: Casing 12/22/59 Tubing 12/30/59 Gas Gravity: Measured .586 Estimated _____
Date of Flow Test: From 12/22/59 To 12/30/59 * Date S.I.P. Measured 10/23/59
Meter Run Size _____ Orifice Size _____ 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 _____ 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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading 7.00 psig + 12 = 490 psia (g)
Square root chart average reading (_____) ² x sp. const. 10 = 490 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = 490 psia (h)
P_t = (h) + (f) 1162 = 1174 psia (i)
Wellhead casing shut-in pressure (Dwt) 1164 psig + 12 = 1176 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 1176 psia (k)
P_c = (j) or (k) whichever well flowed through 58 = 518 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 588 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 588 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right) = \text{972} \text{ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION
D = Q 972 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{1.0165}{1.0084} = \text{984} \text{ MCF/da.}$

SUMMARY
P_c = 1176 psia
Q = 972 Mcf/day
P_w = 602 psia
P_d = 588 psia
D = 984 Mcf/day

El Paso Natural Gas
Company _____
By Original Signed
Title Harold L. Kendrick
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 1)		
3505	.214	572.693	122,556	240,100	362,656	602

D at 500 = 988

RECEIVED
JAN 25 1960
OIL CON. COM.
DIST. 2

