

3 MEXCO
2 Penrose
1 El Paso
1 File

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 Tapicito Formation Pictured Cliffs County El Arriba
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed May 26, 1964

Operator Penrose Production Co. Lease Buddock Well No. 2
Unit D Sec. 3 Twp. 25N Rge. 3W Pay Zone: From 3864 To 3892
Casing: OD 4 1/2" WT. 9.54 Set At _____ Tubing: OD 1 1/2" WT. 2.754 T. Perf. 3852
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .685 Estimated _____
Date of Flow Test: From 5-3-64 To 5-11-64 * Date S.I.P. Measured 10-25-63
Meter Run Size 4" Orifice Size 2.000 Type Chart S.P. 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 (7.15) ² x sp. const. 5 _____ = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) 966 psig + 12 = 978 psia (j)
Wellhead tubing shut-in pressure (Dwt) 965 psig + 12 = 977 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 978 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) 80% _____ = 782 psia (n)

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

DELIVERABILITY CALCULATION
D = Q 1106 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{.85} =$ 523 MCF/da.
 $\left[\frac{344,960}{832,951} \right]^{.85} = (.4141)^{.85}$

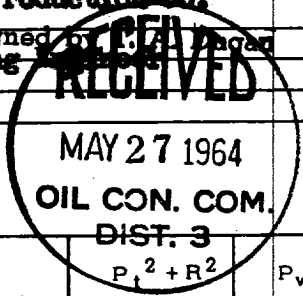
SUMMARY
P_c = 978 psia
Q = 1106 Mcf/day
P_w = 351 psia
P_d = 782 psia
D = 523 Mcf/day

Company Penrose Production Co.
By Original signed by [Signature]
Title Consulting 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
<u>2639</u>	<u>.275</u>	<u>332.413</u>	<u>57.997</u>	<u>65.536</u>	<u>123.533</u>	<u>351</u>



OK