

Initial Deliverability
Test

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 CANYON LAPOO Formation PICTURED CLIFFS County SAN JUAN
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 1-13-57
Operator NEW MEXICO OIL CONSERVATION COMMISSION Lease NEWA STATE Well No. 1
Unit X Sec. 2 Twp. 24N Rge. 6W Pay Zone: From 2201 To 2311
Casing: OD 5-1/2" WT. 144 Set At 2206 Tubing: OD 1-1/4" WT. 2.44 T. Perf. 2263
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.600 Estimated _____
Date of Flow Test: From 12-23-56 To 12-31-56 Date S.I.P. Measured 9-13-55
Meter Run Size 4" Orifice Size 1.000 Type Chart Eq. Pt. 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 (7.75) ² x sp. const. 5 _____ = 301 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 301 psia (h)
P_t = (h) + (f) _____ = 301 psia (i)
Wellhead casing shut-in pressure (Dwt) 712 psig + 12 = 724 psia (j)
Wellhead tubing shut-in pressure (Dwt) 712 psig + 12 = 724 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 724 psia (l)
Flowing Temp. (Meter Run) 42 °F + 460 _____ = 502 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 362 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

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

SUMMARY

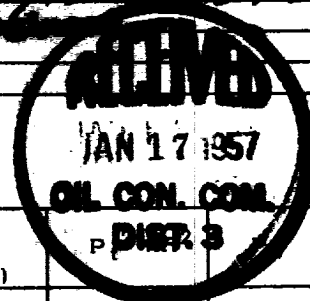
P_c = 724 psia
Q = 187 Mcf/day
P_w = 362 psia
P_d = 362 psia
D = 172 Mcf/day

Company NEW MEXICO OIL CONSERVATION COMMISSION
By [Signature]
Title _____
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)
			Friction negligible	



OK

