

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 La Ventana Formation La Ventana County Rio Arriba
Purchasing Pipeline E.P.N.G. Date Test Filed 3-19-57

Operator Amerada Petr. Corp. Lease Jicarilla Apache "A" Well No. 4 (T)
Unit P Sec. 26 Twp. 25N Rge. 5W Pay Zone: From 3908' To 3946'
Casing: OD 5-1/2" WT. 15.5# Set At 3989' Tubing: OD 2-3/8" WT. 4.7#/ft. T. Perf. 3926'
Produced Through: Casing _____ Tubing x Gas Gravity: Measured .650 Estimated _____
Date of Flow Test: From 12-16-56 To 12-23-56 * Date S.I.P. Measured 12-30-56
Meter Run Size 4" Orifice Size 1" Type Chart L-10 Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt) 265 psig + 12 = 277 psia (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ psia (b)
Flowing meter pressure (Dwt) _____ psig + 12 = 275.6 psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken):
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (5.25)² x spring constant 1000 = 275.6 psia (d)
Meter error (c) - (d) or (d) - (c) ± _____ = 0 psi (e)
Friction loss, Flowing column to meter: _____ = 1.4 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 _____ psig + 12 = _____ psia (g)
Square root chart average reading (5.25)² x sp. const. 1000 = 275.6 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 277 psia (h)
P_t = (h) + (f) = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 752 psig + 12 = 764 psia (k)
P_c = (j) or (k) whichever well flowed through = 764 psia (l)
Flowing Temp. (Meter Run) 51 °F + 460 = 511 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 382 psia (n)

FLOW RATE CALCULATION

Q = 343 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{-}{-} = 1 \right) = \underline{343} MCF/da
(integrated)$

DELIVERABILITY CALCULATION

D = Q 343 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{307} MCF/da.
 $\left[\frac{437,772}{506,801} \right]^{.896}$$

SUMMARY

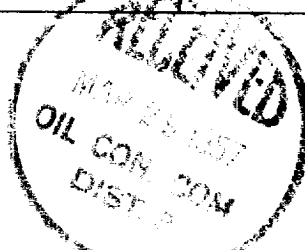
P_c = 764 psia
Q = 343 Mcf/day
P_w = 277.3 psia
P_d = 382 psia
D = 307 Mcf/day

Company Amerada Petr. Corp.
By W.G. Abbott
Title District 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
2551	0.161	11.62	1.870	767.29	769.16	277.3



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