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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 Mesa Verde Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 3-22-58
Operator THE AMERICAN PETROLEUM CORP. Lease Federal Gas Well 2 Well No. 1
Unit 1 Sec. 20 Twp. 30N Rge. 1W Pay Zone: From 4440 To 4450
Casing: OD 7" WT. 20# Set At 4592 Tubing: OD 2-3/8" WT. 4.7 T. Perf. 4592
Produced Through: Casing ^ Tubing 1 Gas Gravity: Measured 0.7000 Estimated ^
Date of Flow Test: From 3/20/58 To 3/20/58 * Date S.I.P. Measured 3-2-58
Meter Run Size 4 Orifice Size 1.000 Type Chart Fig. 2A 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 (7.5500)² x sp. const. 10 _____ = _____ 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) 1095 psig + 12 = 1207 psia (j)
Wellhead tubing shut-in pressure (Dwt) 869 psig + 12 = 881 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 67.00 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

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

DELIVERABILITY CALCULATION

D = Q 4.2500 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{381,600}{447,732} \right]^n \frac{1.217}{\text{_____}} = \text{_____}$ MCF/da.

SUMMARY

P_c = 1207 psia
Q = 4.2500 Mcf/day
P_w = 881 psia
P_d = 441 psia
D = 300 Mcf/day

Company THE AMERICAN PETROLEUM CORPORATION
By L. H. Brown, Jr.
Title Field 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>3403</u>	<u>0.229</u>	<u>24.326</u>	<u>1.330</u>	<u>381,600</u>	<u>382,930</u>	<u>881</u>

Well 9" ID 4432'-4920' Perf. 4440'-4450'
** Furnished by pipeline company.

Note: THIS DATA SHEET IS FILED ON FILE NUMBER 8-4114-1
pertaining to the subject well.

