

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 Falcher-Kids P. C. Formation Pictured Cliffs County SJ
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed February 6, 1956
Operator Ted M. White Lease White-Cornell Well No. 1
Unit A Sec. 12 Twp. 29N Rge. 12W Pay Zone: From _____ To _____
Casing: OD 5 1/2 WT. _____ Set At 1900 Tubing: OD 1 WT. _____ T. Perf. 1920
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .655 Estimated _____
Date of Flow Test: From 1/1/56 To 1/9/56 * Date S.I.P. Measured _____
Meter Run Size 4" Orifice Size _____ Type Chart 31 Rt 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 (5.95) ² x sp. const. 5.00 _____ = 177 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 177 psia (i)
Wellhead casing shut-in pressure (Dwt) 397 psig + 12 = 409 psia (j)
Wellhead tubing shut-in pressure (Dwt) 397 psig + 12 = 409 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 409 psia (l)
Flowing Temp. (Meter Run) 49 °F + 460 _____ = 509 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 204 psia (n)

Q = 125 (integrated) X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right) = \text{_____ MCF/day}$
 $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 125 $\left[\frac{(P_c^2 - P_d^2) = \text{125,665}}{(P_c^2 - P_w^2) = \text{135,952}} \right]^n \cdot \text{.9390} = \text{117 MCF/day.}$

SUMMARY

P_c = 409 psia
Q = 125 Mcf/day
P_w = 177 psia
P_d = 204 psia
D = 117 Mcf/day

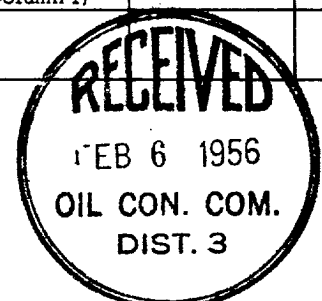
Company Gas Electric, Inc
By H. J. McCarthy H. J. McCarthy
Title Agent
Witnessed by _____
Company _____

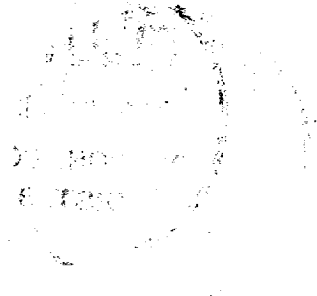
* This is date of completion test.
* Meter error correction factor

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
			NEGLECTABLE			

OK





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