

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 Wildcat Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease Michener Well No. 2
Unit F Sec. 15 Twp. 28N Rge. 9W Pay Zone: From 2345 To 2404
Casing: OD. 5½ WT. 15.5 Set At 2344 Tubing: OD. 1½ WT. 2.3 T. Perf. 2369
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .645 Estimated _____
Date of Flow Test: From 6/30 To 7/8 * Date S.I.P. Measured 3/22/56
Meter Run Size 4 Orifice Size _____ Type Chart Sq. 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 (7.20) ² x sp. const. 1000 _____ = 518 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 518 psia (h)
P_t = (h) + (f) _____ = 518 psia (i)
Wellhead casing shut-in pressure (Dwt) 757 psig + 12 = 769 psia (j)
Wellhead tubing shut-in pressure (Dwt) 757 psig + 12 = 769 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 769 psia (l)
Flowing Temp. (Meter Run) 66 °F + 460 _____ = _____ °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 385 psia (n)

Q = 309 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \dots = \dots} \right)^* = \dots$ MCF/da
(integrated) $\sqrt{(d)} = \dots$

DELIVERABILITY CALCULATION

D = Q 309 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{443,136}{323,037} \right]^n \frac{1.3718}{1.308} = \underline{404}$ MCF/da.

SUMMARY

P_c = 769 psia Company El Paso Natural Gas
Q = 309 Mcf/day By _____
P_w = 518 psia Title Original Logger
P_d = 385 psia Witnessed by Lewis D. Galloway
D = 404 Mcf/day Company _____

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

REMARKS OR FRICTION CALCULATIONS

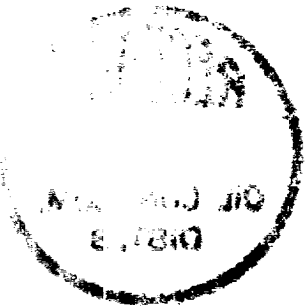
GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			FRICTION NEGLIGIBLE			

D @ 250 = 465

Pictured Cliff producing into Mesa Verde system

OK





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