

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 Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease Lindrith Unit Well No. 16
Unit L Sec. 14 Twp. 24N Rge. 3W Pay Zone: From 3120 To 3140
Casing: OD 5 1/2 WT. 15.5 Set At 3187 Tubing: OD 1 1/4 WT. 2.3 T. Perf. 3122
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .665 Estimated _____
Date of Flow Test: From 6/23 To 7/1/57 * Date S.I.P. Measured 5/6/57
Meter Run Size 4 Orifice Size 1.500 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 (7.80) ² x sp. const. 500 _____ = 304 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 304 psia (h)
P_t = (h) + (f) _____ = 304 psia (i)
Wellhead casing shut-in pressure (Dwt) 1023 psig + 12 = 1035 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1023 psig + 12 = 1035 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1035 psia (l)
Flowing Temp. (Meter Run) 62 °F + 460 _____ = 522 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 518 psia (n)

Q = 533 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{_____} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 533 $\left[\frac{(P_c^2 - P_d^2) = \text{_____}}{(P_c^2 - P_w^2) = \text{_____}} \right]^n \frac{.8409}{.8630} = \text{_____} \text{ MCF/da.}$
802,901
954,703

SUMMARY

P_c = 1035 psia
Q = 533 Mcf/day
P_w = 341 psia
P_d = 518 psia
D = 460 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Lewis D. Galloway
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 _c ² + R ²	P _w
2076	.140	172.187	24,106	92,416	116,522	341

D at 250 = 544

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