

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 Ballard Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Quitau Well No. 1-A
Unit A Sec. 9 Twp. 25 Rge. 8 Pay Zone: From 2152 To 2164
Casing: OD 5 1/2 WT. 15.5 Set At 2181 Tubing: OD 1 WT. 1.68 T. Perf. 2152
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .695 Estimated _____
Date of Flow Test: From 5/23 To 6/1/57 * Date S.I.P. Measured 11/21/56
Meter Run Size 4 Orifice Size 1.25 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 (6.95) ² x sp. const. 5 _____ = 242 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 242 psia (h)
P_t = (h) + (f) _____ = 242 psia (i)
Wellhead casing shut-in pressure (Dwt) 570 psig + 12 = 582 psia (j)
Wellhead tubing shut-in pressure (Dwt) 570 psig + 12 = 582 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 582 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 291 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right)^* = \underline{437}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 437 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{254,043}{280,160} \right]^n \frac{.9067}{.9201} = \underline{402}$ MCF/day.

SUMMARY

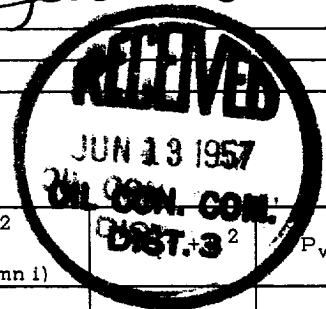
P_c = 582 psia
Q = 437 Mcf/day
P_w = 242 psia
P_d = 291 psia
D = 402 Mcf/day

Company El Paso Natural Gas Company
By [Signature]
Title _____
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 _w
			FRICION NEGLIGIBLE		



D at 250 = 424

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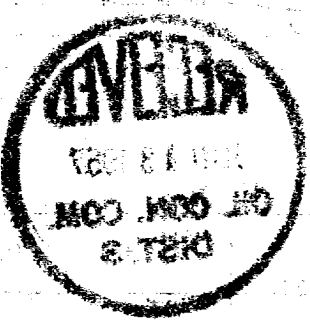
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