

70327
Initial Deliverability
Test

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

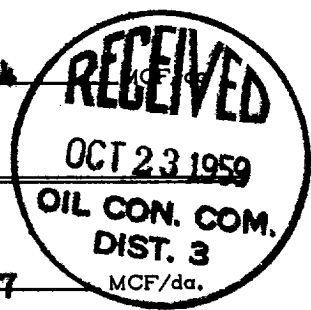
(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool Bianco Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator KPMG Lease Gartner Well No. 7
Unit H Sec. 26 Twp. 30 Rge. 8 Pay Zone: From 4398 To 5010
Casing: OD 7 WT. 20 1/2 Set At 4366 Tubing: OD 2 WT. 4.7 T. Perf. 4552
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .670 Estimated _____
Date of Flow Test: From 8-7-59 To 8-15-59 * Date S.I.P. Measured 7-15-59 (54 days)
Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Taps _____

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 492 psig + 12 = 504 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 504 psia (h)
P_t = (h) + (f) _____ = 504 psia (i)
Wellhead casing shut-in pressure (Dwt) 983 psig + 12 = 995 psia (j)
Wellhead tubing shut-in pressure (Dwt) 968 psig + 12 = 980 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 980 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 490 psia (n)

Q = $\frac{6668}{192} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = 834$
(Integrated)



DELIVERABILITY CALCULATION

D = Q 834 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = 857$
 $\frac{720300}{694149}$ $\frac{1.0376}{1.0281}$

SUMMARY

P_c = 980 psia
Q = 834 Mcf/day
P_w = 516 psia
P_d = 490 psia
D = 857 Mcf/day

EL PASO NATURAL GAS COMPANY

Company _____
By _____
Title Original Signed
Witnessed by Harold L. Kendrick
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
3050	.199	61.481	12235	254016	266251	516

D500 = 827

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