

72163
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 Otero Formation Chacra County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Company Lease Jicarilla Well No. 67-7 (C)
Unit 6 Sec. 20 Twp. 25 Rge. 5 Pay Zone: From 3558 To 3578
Casing: OD 7-5/8 WT. 26.4 lbs. Set At 3726 Tubing: OD 2 WT. 4.7 T. Perf. 3554
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .691 Estimated _____
Date of Flow Test: From 9/22/59 To 9/29/59 * Date S.I.P. Measured 6/17/59 (9 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 471 psig + 12 = 483 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 483 psia (h)
_____ = 483 psia (i)
P_t = (h) + (f) _____
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 832 psig + 12 = 844 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 844 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 530 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 422 psia (n)

Q = $\frac{5466}{8}$ (integrated) X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = 683$ MCF/da

DELIVERABILITY CALCULATION

D = Q 683 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = 749$ MCF/da.
 $\frac{534252}{472283}$ $\frac{1.1312}{1.0970}$

SUMMARY

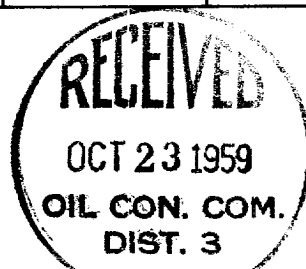
P_c = 844 psia Company El Paso Natural Gas Company
Q = 683 Mcf/day By _____
P_w = 490 psia Title Original Signed
P_d = 422 psia Witnessed by Harold L. Kendrick
D = 749 Mcf/day Company _____

* 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
2456	.164	41.242	6,764	233289	240053	490

D 500 = 652



2000