

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 Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 27-4 Well No. 1
Unit L Sec. SW1 Twp. 27N Rge. 4W Pay Zone: From 5873 To 5953
Casing: OD 7 WT. 23 & 20 Set At 5826 Tubing: OD 2 WT. 4.7 T. Perf. 5963
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .680 Estimated _____
Date of Flow Test: From 6/8 To 6/16 * Date S.I.P. Measured Sept. 24, 1953
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 (7.55)² x sp. const. 10 _____ = 570 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 570 psia (h)
P_t = (h) + (f) _____ = 570 psia (i)
Wellhead casing shut-in pressure (Dwt) 1296 psig + 12 = 1308 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1291 psig + 12 = 1303 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1303 psia (l)
Flowing Temp. (Meter Run) 70 °F + 460 _____ = 530 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 652 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^{.975} = \text{129} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION
D = Q 129 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{122} \text{ MCF/da.}$
 $\frac{1272705}{1372909} \cdot \frac{.9270}{.9448}$

SUMMARY
P_c = 1303 psia Company El Paso Natural Gas Company
Q = 129 Mcf/day By Original Signed
P_w = 570 psia Title Lewis D. Galloway
P_d = 652 psia Witnessed by _____
D = 122 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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		
			FRICTION NEGLIGIBLE			

D @ 500 = 133

AK



UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

WASHINGTON, D. C. 20240

DATE OF REPORT: 10/10/10

CONTROL

PROJECT: 10-10-10

10-10-10

10-10-10

OIL CONSERVATION CO.
AZTEC DISTRICT OFFICE

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