

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 Aztec Formation Pictured Cliffs County San Juan
Purchasing Pipeline _____ Date Test Filed _____

Operator El Paso Natural Gas Lease Hubbell Well No. 2
Unit C Sec. 17 Twp. 29N Rge. 10W Pay Zone: From 2048 To 2094
Casing: OD 5-1/2 WT. 15.5 Set At 2152 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2056
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated _____
Date of Flow Test: From 2/21/58 To 3/1/58 * Date S.I.P. Measured 12-20-57 (14 days)
Meter Run Size _____ Orifice Size 1.500 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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (_____) ² x sp. const. 1000 = 518 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 518 psia (h)
P_t = (h) + (f) _____ = 518 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 518 psia (j)
Wellhead tubing shut-in pressure (Dwt) 646 psig + 12 = 658 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 658 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 523 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 329 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{1189}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION
D = Q 1189 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{3686}$ MCF/day.
 $\frac{(3.7344)^{.88}}{(3.1000)}$

SUMMARY
P_c = 658 psia Company El Paso Natural Gas
Q = 1189 Mcf/day By Original Signed
P_w = 589 psia Title _____
P_d = 329 psia Witnessed by Lewis D. Galloway
D = 3686 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
1328	.092	856.909	78.836	268.324	347.160	589

D at 250 = 2334

OK



Approved: _____
Date: _____

OIL CONSERVATION COMMISSION

REPORT OF THE DISTRICT OFFICE

FOR THE YEAR 1940

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