

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)

Ballard Pictured Cliff

Pictured Cliff

San Juan

Pool _____ Formation _____ County _____

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Co. Lease Huerfano Well No. 32-A
Unit I Sec. 23 Twp. 26N Rge. 9W Pay Zone: From 2049 To 2095
Casing: OD 5 1/2 WT. 14 Set At 2049 Tubing: OD 1 WT. 1.68 T. Perf. 2052
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated .670
Date of Flow Test: From 1/23 To 1/31/56 * Date S.I.P. Measured 12/21/54
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 (7.00)² x sp. const. 5 = 245 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) = 245 psia (h)
P_t = (h) + (f) = 245 psia (i)
Wellhead casing shut-in pressure (Dwt) 611 psig + 12 = 623 psia (j)
Wellhead tubing shut-in pressure (Dwt) 611 psig + 12 = 623 psia (k)
P_c = (j) or (k) whichever well flowed through = 623 psia (l)
Flowing Temp. (Meter Run) 51 °F + 460 = 511 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 312 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{495}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 495 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{447}$ MCF/da
290,785 0.8863
328,104 0.9026

SUMMARY

P_c = 623 psia
Q = 495 Mcf/day
P_w = 245 psia
P_d = 312 psia
D = 447 Mcf/day

Company El Paso Natural Gas Company
By _____ Original Signed
Title _____
Witnessed by Lewis D. Galloway
Company _____

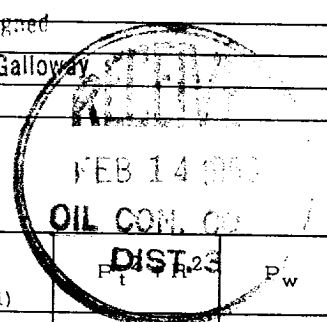
- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

| GL | (1-e ^{-S}) | (F _c Q) ² | (F _c Q) ² (1-e ^{-S}) | P _t ² | P _w |
|----|----------------------|---------------------------------|--|-----------------------------|----------------|
| | | | R ² | (Column i) | |
| | | | FRICTION NEGLIGIBLE | | |

D @ 250 = 484

OK



OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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