

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. 36
Unit D Sec. 23 Twp. 26N Rge. 9W Pay Zone: From 2035 To 2085
Casing: OD 5 1/2 WT. 14 Set At 2035 Tubing: OD 1 WT. 1.68 T. Perf. 2053
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 12/10/54
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 (6.95) ² x sp. const. 5 _____ = 242 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 242 psia (h)
P_t = (h) + (f) _____ = 242 psia (i)
Wellhead casing shut-in pressure (Dwt) 626 psig + 12 = 638 psia (j)
Wellhead tubing shut-in pressure (Dwt) 626 psig + 12 = 638 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 638 psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 _____ = 512 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 319 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{472}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 472 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{422}$ MCF/day
305,283 0.8760
348,480 0.8937

SUMMARY

P_c = 638 psia
Q = 472 Mcf/day
P_w = 242 psia
P_d = 319 psia
D = 422 Mcf/day

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

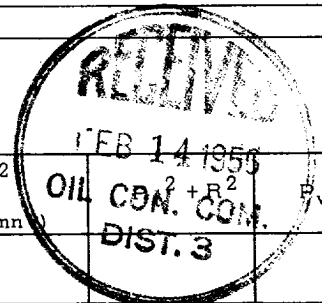
* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) B ²	P _t ² (Column 4)	P _w
			FRICTION NEGLIGIBLE		

D @ 250 = 460

OK



RECEIVED BY MAIL
 MAY 19 1962

TO: Mr. [illegible] FROM: Mr. [illegible]
 SUBJECT: [illegible]

[Faint, mostly illegible text body]

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received	3	
DISTRIBUTION		
Operator		
State	1	
Production Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓