

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 Ballard Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease Thompson Well No. 1-A
Unit P Sec. 24 Twp. 26 Rge. 9 Pay Zone: From 1904 To 1990
Casing: OD 5½ WT. 15.5 Set At 1904 Tubing: OD 1 WT. 1.68 T. Perf. 1936
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated .675
Date of Flow Test: From 3/8 To 3/16 * Date S.I.P. Measured 9/28/55
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 (7.45) ² x sp. const. 5 _____ = 278 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 278 psia (h)
P_t = (h) + (f) _____ = 278 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ 627 psig + 12 = 639 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ 627 psig + 12 = 639 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 639 psia (l)
Flowing Temp. (Meter Run) 67 °F + 460 _____ = 527 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 320 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{2379} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 2379 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{305,921}{330,409} \cdot \frac{.9259}{.9366} = \text{2228} \text{ MCF/da.}$

SUMMARY

P_c = 639 psia
Q = 2379 Mcf/day
P_w = 279 psia
P_d = 320 psia
D = 2228 Mcf/day

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

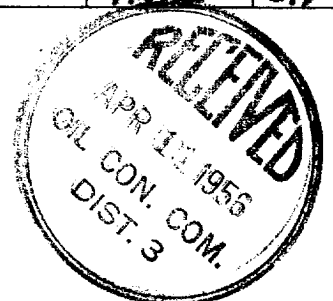
* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
1285	.089	7.060	628		77,284	77,912	279

D @ 250 = 2432

CK



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Cracks Inspected <u>3</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Protection Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
File	<u>1</u>	☒