

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 South Klamo Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Co. Lease Rincon Well No. 51
Unit L Sec. 06 Twp. 26N Rge. 6W Pay Zone: From 2837 To 2910
Casing: OD 5 1/2 WT. 15.5 Set At 2837 Tubing: OD 1 WT. 1.68 T. Perf. 2870
Produced Through: Casing _____ Tubing I Gas Gravity: Measured _____ Estimated .650
Date of Flow Test: From 12/31/55 To 1/8/56 * Date S.I.P. Measured 8/29/55
Meter Run Size _____ Orifice Size _____ Type Chart Sp. 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 (7.70) ² x sp. const. .5 _____ = 296 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 296 psia (h)
P_t = (h) + (f) _____ = 296 psia (i)
Wellhead casing shut-in pressure (Dwt) 952 psig + 12 = 964 psia (j)
Wellhead tubing shut-in pressure (Dwt) 952 psig + 12 = 964 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 964 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 _____ = 517 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 482 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{358}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 358 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{318}$ MCF/da.
 $\left[\frac{(696,972)}{(800,335)} \right]^{.87085}$

SUMMARY

P_c = 964 psia
Q = 358 Mcf/day
P_w = 2870 psia
P_d = 482 psia
D = 318 Mcf/day

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

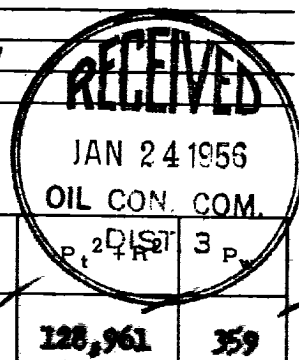
* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _t ²	P _t ² (Column i)	P _t ² (Column i) + R ²	3 P _w
1866	.127	325.550	41.345	87,616	128,961	359	

D = 358 = 365

OK



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received		3
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	1	
Proration Office		
State Land Office	TEL.	
U. S. G. S.	1	
Transporter		
File	1	✓