

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 Blanco Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Bolack Well No. 7-C
Unit E Sec. 33 Twp. 27 Rge. 8 Pay Zone: From 2677 To 2704
Casing: OD 5 1/2 WT. 15.5 Set At 2770 Tubing: OD 1 1/4 WT. 2.3 T. Perf. 2659
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .660 Estimated _____
Date of Flow Test: From 5/23/57 To 6/1/57 * Date S.I.P. Measured 11/1/56 (9 days)
Meter Run Size 4 Orifice Size .375 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 (7.05) ² x sp. const. 5 _____ = 249 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 249 psia (h)
P_t = (h) + (f) _____ = 249 psia (i)
Wellhead casing shut-in pressure (Dwt) 767 psig + 12 = 779 psia (j)
Wellhead tubing shut-in pressure (Dwt) 767 psig + 12 = 779 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 779 psia (l)
Flowing Temp. (Meter Run) 64 °F + 460 _____ = 524 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 390 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{39} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 39 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{454,741}{544,840} \right]^n \frac{.8346}{.8575} = \text{33} \text{ MCF/da.}$

SUMMARY

P_c = 779 psia
Q = 39 Mcf/day
P_w = 249 psia
P_d = 390 psia
D = 33 Mcf/day

Company El Paso Natural Gas Company
By J. H. Hendrick
Title _____
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}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			FRICTION NEGLIGIBLE			

D at 250 = 39



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