

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

Operator El Paso Natural Gas Lease Huerfano Unit Well No. 81
Unit D Sec. 32 Twp. 27 Rge. 10 Pay. Zone: From 1738 To 1770
Casing: OD 5 1/2 WT. 15.5 Set At 1834 Tubing: OD 1 1/4 WT. 2.3 T. Perf. 1738
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .635 Estimated _____
Date of Flow Test: From 5/23 To 6/1/57 * Date S.I.P. Measured 11/21/56 (9 days)
Meter Run Size 4 Orifice Size 1.000 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 (6.55) ² x sp. const. _____ = 215 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 215 psia (h)
P_t = (h) + (f) _____ = 215 psia (i)
Wellhead casing shut-in pressure (Dwt) 426 psig + 12 = 438 psia (j)
Wellhead tubing shut-in pressure (Dwt) 426 psig + 12 = 438 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 438 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 219 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{326} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 326 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{143,883}{145,619} \cdot \frac{.9880}{.9898} = \text{323} \text{ MCF/da.}$

SUMMARY

P_c = 438 psia
Q = 326 Mcf/day
P_w = 215 psia
P_d = 219 psia
D = 323 Mcf/day

Company El Paso Natural Gas Company
By [Signature]
Title _____
Witnessed by _____
Company _____

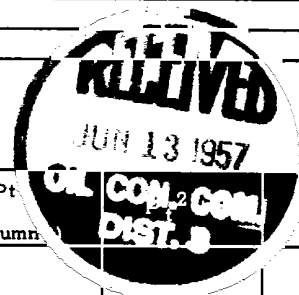
- * This is date of completion test.
- * Meter error correction factor _____

REMARKS OR FRICTION CALCULATIONS

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

D at 250 = 283

[Signature]





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		