

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

Operator El Paso Natural Gas Lease Kutz Well No. 3
Unit B Sec. 20 Twp. 28N Rge. 10W Pay Zone: From _____ To _____
Casing: OD 5 $\frac{1}{2}$ WT. 15.5 Set At 2070 Tubing: OD 1 WT. 1.68 T. Perf. 2085
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.655 Estimated _____
Date of Flow Test: From 3/13 To 4/8/56 * Date S.I.P. Measured _____
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) _____ \pm _____ = _____ 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 (6.75)² x sp. const. 5 = 228 psia (g)
Corrected seven day ave. meter press. (p_f) (g) + (e) = 228 psia (h)
P_t = (h) + (f) = 228 psia (i)
Wellhead casing shut-in pressure (Dwt) 510 psig + 12 = 522 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through = 522 psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 = 513 °Abs (m)
P_d = $\frac{1}{2}$ P_c = $\frac{1}{2}$ (l) = 261 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{287 MCF/da}$
(integrated)

DELIVERABILITY CALCULATION
D = Q 287 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{204,363}{220,500} \cdot \frac{.9268}{.9375} = \text{269 MCF/da.}$

SUMMARY
P_c = 522 psia Company El Paso Natural Gas Company
Q = 287 Mcf/day By Original Signed
P_w = 228 psia Title _____
P_d = 261 psia Witnessed by Lewis D. Galloway
D = 269 Mcf/day 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

FRICTION NEGLIGIBLE

D @ 250 = 268





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