

Initial Deliverability
Test

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 P C County RIO ARriba
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed JUNE 27, 1960
Operator KEN BLACKFORD Lease JICARILLA Well No. 3 - 23
Unit K Sec. 23 Twp. 24N Rge. 5W Pay Zone: From 2406 To 2454
Casing: OD 5 1/2 WT. Set At 2503 Tubing: OD 2 WT. T. Perf. 2451
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .674 Estimated _____
Date of Flow Test: From 4 - 21 To 4 - 28 * Date S.I.P. Measured 11 - 19 - 59
Meter Run Size 4" Orifice Size 1.250 Type Chart S R 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 (6.85) ² x sp. const. 500 = 235 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 235 psia (h)
_____ = 235 psia (i)
P_t = (h) + (f) _____
Wellhead casing shut-in pressure (Dwt) 680 psig + 12 = 692 psia (j)
Wellhead tubing shut-in pressure (Dwt) 680 psig + 12 = 692 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 692 psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 _____ = 513 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 346 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 204 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{359,148}{423,223} \right]^n \cdot \frac{.8698}{\text{_____}} = \text{177 MCF/da.}$

SUMMARY

P_c = 692 psia
Q = 204 Mcf/day
P_w = 236 psia
P_d = 346 psia
D = 177 Mcf/day

Company GELECTRICO, INC.
By T. H. Hays
Title AGENT
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
1652	.113	3.679	416	55225	55641	236

STATE OF NEW MEXICO			
OIL COMMISSION OF MASSACHUSETTS			
TOTAL RECEIVED OFFICE			
NUMBER OF COPIES PROVIDED			3
SANITARY	1		
U.S. S.S.			
TRANSPORT R	1		
TRANSPORT R	1		
TRANSPORT R	1		