

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 Mesa-Pictured Cliffs Formation Pictured Cliffs County San Juan
Purchasing Pipeline Southwest Pipeline Corporation Date Test Filed 8-7-57

Operator P.L. Anderson Petroleum Corp. Lease Marcella Andrew 140 Well No. 7
Unit 1 Sec. 24 Twp. 36N Rge. 2E Pay Zone: From 2000 To 2200
Casing: OD 8 1/2 WT. 26 Set At 2160 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 2000
Produced Through: Casing 1 Tubing 1 Gas Gravity: Measured 0.90 Estimated 0.90
Date of Flow Test: From 8-21-57 To 9-6-57 * Date S.I.P. Measured 8-22-57
Meter Run Size 4 Orifice Size 1.250 Type Chart AGA-3 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 (_____) ² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{_____}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1340 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{\text{400,000}}{\text{475,000}} \right]^n \text{ } \frac{\text{1.9275}}{\text{_____}} = \text{1340} \text{ Mcf/da.}$

SUMMARY

P_c = 400 psia
Q = 1340 Mcf/day
P_w = 400 psia
P_d = 400 psia
D = 1340 Mcf/day

Company P.L. Anderson Petroleum Corporation
By E. E. Sherry, Jr.
Title Field Engineer
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻⁸)	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>224</u>	<u>.34</u>	<u>1.340</u>	<u>.34</u>	<u>400.00</u>	<u>400.34</u>	<u>400</u>

* Provided by pipeline company.

Note: INITIAL DELIVERABILITY TEST is being made on the line entered Form C-122-A due to the pressure differential on the subject well and the facility of the pipeline company to maintain the well for testing.