

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

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 So. Kansas Formation Pictured Cliffs County BJ
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed May 10, 1957
Operator Shelly Oil Co Lease John Charles Well No. 3
Unit I Sec. 23 Twp. 27N Rge. 7W Pay Zone: From _____ To _____
Casing: OD _____ WT. _____ Set At _____ Tubing: OD _____ WT. _____ T. Perf. _____
Produced Through: Casing I Tubing _____ Gas Gravity: Measured .600 Estimated _____
Date of Flow Test: From 4/2/57 To 4/4/57 * Date S.I.P. Measured _____
Meter Run Size 4" Orifice Size _____ Type Chart 32 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: _____ psig + 12 = _____ psia (d)
Normal chart reading _____ = _____ psia (d)
Square root chart reading () ² x spring constant _____ = _____ psi (e)
Meter error (c) - (d) or (d) - (c) _____ = _____ psi (f)
Friction loss, Flowing column to meter: _____ = _____ psi (f)
(b) - (c) Flow through tubing; (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart): _____ psig + 12 = _____ psia (g)
Normal chart average reading _____ = _____ psia (g)
Square root chart average reading (7.45) ² x sp. const. 5.00 = _____ psia (h)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (i)
P_t = (h) + (f) _____ psig + 12 = _____ psia (j)
Wellhead casing shut-in pressure (Dwt) _____ = _____ psia (k)
Wellhead tubing shut-in pressure (Dwt) _____ = _____ psia (l)
P_c = (j) or (k) whichever well flowed through _____ = _____ ° Abs (m)
Flowing Temp. (Meter Run) 48 °F + 460 _____ = _____ psia (n)
P_d = 1/2 P_c = 1/2 (l) _____

FLOW RATE CALCULATION

Q = 247 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) =$ _____ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 247 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n =$.9270 = 247 MCF/da.

SUMMARY

P_c = 722 psia
Q = 247 Mcf/day
P_w = 300 psia
P_d = 300 psia
D = 247 Mcf/day

Company Shelly Oil Co
By H. J. McConathy
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

