

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 CANYON LARGO Formation PICTURED CLIFFS County RIO ARRIBA
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 9-11-56

DRILLING CORP.

Operator BENSON-MONTIN-GREER Lease NCRA STATE Well No. 2
Unit E Sec. 16 Twp. 24N Rge. 6W Pay Zone: From 2262 To 2366
Casing: OD 5-1/2" WT. 14# Set At 2267 Tubing: OD 1" WT. 1.7# T. Perf. 2329
Produced Through: Casing X Tubing Gas Gravity: Measured 0.685 Estimated
Date of Flow Test: From 8-23-56 To 8-31-56 * Date S.I.P. Measured 2-18-56
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) ± = 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 (7.15)² x sp. const. 5 = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 256 psia (h)
P_t = (h) + (f) = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) 701 psig + 12 = 713 psia (j)
Wellhead tubing shut-in pressure (Dwt) 701 psig + 12 = 713 psia (k)
P_c = (j) or (k) whichever well flowed through = 713 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 357 psia (n)

FLOW RATE CALCULATION

Q = X $\left(\frac{\sqrt{V(c)}}{\sqrt{V(d)}} \right) = \text{MCF/day}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 338 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = 0.882 = 298 \text{ MCF/day.}$
338
380

SUMMARY

P_c = 713 psia
Q = 338 Mcf/day
P_w = 256 psia
P_d = 357 psia
D = 298 Mcf/day

Company BENSON-MONTIN-GREER DRILLING CORP.
By Wingil L. Starks
Title Engineer
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 l)	P _t ² + R ²	P _w
			Friction negligible			



2-28-22 C-26

62-II-

100-1001-1002

222

25. 25

..2.

25

212

10

22

10

2-1-2

21.

2-2

02-55-0

7-5-0

9 1211

11. 12. 13.

SSS-4455-2000

LCY

١٥٧

62

5

CC.0

CCC, 507

113

100-101000-100000

100-100000

SECRET

einzigsten mündigen

