

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 CANYON LARGO Formation PICTURED CLIFFS County RIO ARriba

Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 1-15-57

Operator BENSON-MONTIN-GREER DRILLING CORP. Lease MCRA STATE Well No. 6
Unit I Sec. 36 Twp. 24N Rge. 6W Pay Zone: From 2293 To 2311
Casing: OD 5-1/2" WT. 15.5# Set At 2296 Tubing: OD 1" WT. 1.7# T. Perf. 2297
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.675 Estimated _____
Date of Flow Test: From 12-8-56 To 12-16-56 * Date S.I.P. Measured 9-17-56
Meter Run Size 4" Orifice Size 1.000 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 (7.45)² x sp. const. 5 = 278 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 278 psia (h)
P_t = (h) + (f) = 278 psia (i)
Wellhead casing shut-in pressure (Dwt) 650 psig + 12 = 662 psia (j)
Wellhead tubing shut-in pressure (Dwt) 650 psig + 12 = 662 psia (k)
P_c = (j) or (k) whichever well flowed through = 662 psia (l)
Flowing Temp. (Meter Run) 50 °F + 460 = 510 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 331 psia (n)

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

DELIVERABILITY CALCULATION
D = Q 370 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{328,600}{360,900} \right]^n \cdot 0.923 = 342 \text{ MCF/da.}$

SUMMARY
P_c = 662 psia
Q = 370 Mcf/day
P_w = 278 psia
P_d = 331 psia
D = 342 Mcf/day

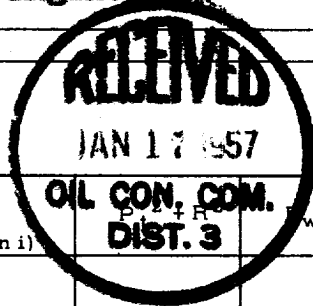
Company BENSON-MONTIN-GREER DRILLING CORP.
By Virgil F. Strader
Title Engineer
Witnessed by _____
Company _____

* 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 i)	P _t ² + P _w ² DIST. 3
			Friction negligible		

OK



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DEPARTMENT OF THE INTERIOR

LAND OFFICE

TO THE SECRETARY OF THE INTERIOR
WASHINGTON, D. C.

FROM THE LAND OFFICE
WASHINGTON, D. C.

RE: [illegible]

[illegible]

RECEIVED
JAN 10 1900

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RE: [illegible]

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