Form C-122-A
Revised April 20, 1955

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 PICTURED CLIFFS County SAN JUAN

Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 3-26-57

Operator BENSON-MONTIN-GREER DRILLING CORP. Lease ROSTER-RIDDLE Well No. 7

Unit P Sec. 13 Twp. 25N Rge. 8W Pay Zone: From 2235 To 2357

Casing: OD 5-1/2" WT. 14# Set At 2357 Tubing: OD 1" WT. 1.7# T. Perf. 2275

Produced Through: Casing X Tubing ____ Gas Gravity: Measured 0.660 Estimated ____

Date of Flow Test: From 2-20-57 To 2-28-57 * Date S.I.P. Measured 10-29-56

Meter Run Size 4" Orifice Size 2" 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 (8.05)^2 x sp. const. 5	=	324	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	324	psia	(h)
P_t = (h) + (f)	=	324	psia	(i)
Wellhead casing shut-in pressure (Dwt) 661	psig + 12 =	673	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 663	psig + 12 =	675	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	673	psia	(l)
Flowing Temp. (Meter Run) 59 °F + 460	=	519	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	337	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right)^*$ = ____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{339,300}{347,800} \right]^n$ 1.707 × 0.9793 = 1,672 MCF/da.

SUMMARY

P_c =	673	psia
Q =	1,707	Mcf/day
P_w =	324	psia
P_d =	337	psia
D =	1,672	Mcf/day

Company BENSON-MONTIN-GREER DRILLING CORP.
By [signature]
Title Engineer
Witnessed by ____
Company ____

* This is date-of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
1502	0.103	1454	150	104,976	105,126	324

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