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 Undesignated West Kut Formation Dakota County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed April 20, 1960

Operator BENSON-MONTIN-GREER DRILLING CORP. Lease DAVIS Well No. 1-X

Unit F Sec. 12 Twp. 27N Rge. 13W Pay Zone: From 5878 To 5973

Casing: OD 5-1/2 WT. 17# Set At 6057 Tubing: OD 2" EUE WT. 4.7 T. Perf. 5987

Produced Through: Casing ____ Tubing x Gas Gravity: Measured 0.651 Estimated ____

Date of Flow Test: From 3-14-1960 To 3-22-1960 Date S.I.P. Measured Dec. 10, 1959

Meter Run Size 4" Orifice Size 2.250 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 (7.05)^2 x sp. const. 10		= 497 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)		= 497 psia	(h)
P_t = (h) + (f)		= 497 psia	(i)
Wellhead casing shut-in pressure (Dwt) 2130 psig + 12 = 2142 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 2128 psig + 12 = 2140 psia			(k)
P_c = (j) or (k) whichever well flowed through		= 2140 psia	(l)
Flowing Temp. (Meter Run) 85 °F + 460		= 545 °Abs	(m)
P_d = ½ P_c = ½ (l)		= 1070 psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) x ($\sqrt{(c)}$ = ____ = ____ / $\sqrt{(d)}$ ____)* = ____ MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 3,434,700}{(P_c^2 - P_w^2) = 4,207,800} \right]^n$ 0.852 = 2041 MCF/da.

SUMMARY

P_c = 2140 psia
Q = 2395 Mcf/day
P_w = 610 psia
P_d = 1070 psia
D = 2041 Mcf/day

Company Benson-Montin-Greer Drilling Cor
By [signature] Engineer
Title ____
Witnessed by ____
Company ____

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3889	0.246	507,150	124,759	247,009	371,768	610

RECEIVED
APR 22 1960
OIL CON. COM.
DIST. 3