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 BLANCO Formation MESAVERDE County RIO ARRIBA

Purchasing Pipeline PACIFIC NORTHWEST PIPELINE CORP. Date Test Filed SEPT. 2, 1959

Operator CONTINENTAL PETROLEUM CORP. Lease "F" Well No. 1-21

Unit M Sec. 21 Twp. 30N Rge. 5W Pay Zone: From 5924 To 6140

Casing: OD 5-1/2 WT. 15.5 Set At 6125 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5926

Produced Through: Casing ^ Tubing X Gas Gravity: Measured 0.570 Estimated

Date of Flow Test: From 8/27/59 To 8/7/59 * Date S.I.P. Measured 11-17-58

Meter Run Size 4.067 Orifice Size 1 Type Chart 1-10 Type Taps FL.

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 477	psig + 12 =	489	psia	(g)
Square root chart average reading (_____) ^{2} x sp. const.	=		psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	489	psia	(h)
P_t = (h) + (f)	=	489	psia	(i)
Wellhead casing shut-in pressure (Dwt)	psig + 12 =		psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1225	psig + 12 =	1237	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1237	psia	(l)
Flowing Temp. (Meter Run) 49 °F + 460	=	509	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	618	psia	(n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\_\_\_\_\_} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = \_\_\_\_ \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\ 410 \left[\frac{P_c^2 - P_d^2 = 1,147,888}{P_c^2 - P_w^2 = 1,287,288} \right]^n \frac{0.8171}{(0.8010)^n} = 376 \text{ MCF/da.}$$

SUMMARY

P_c =	1237 psia	Company	M. B. JONES, CONTINENTAL PETROLEUM CORPORATION
Q =	410 Mcf/day	By	M. B. JONES, Manager Production
P_w =	488 psia	Title	AGENT
P_d =	618 psia	Witnessed by	
D =	376 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
4887	0.255	14.361	3,730	239,121	242,851	488.9

F_c = 9.402

RECEIVED
SEP 4 1959
OIL CON. COM.
DIST. 3