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, MESA VERDE, & ALL DAKOTA EXCEPT BLANCO MESA VERDE STORAGE AREA)

Pool **TAPACITO** Formation **PICTURED CLIFFS** County **RIO ARRIBA**

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

Operator **OCCIDENTAL PETROLEUM CORP.** Lease **"E"** Well No. **2-27**

Unit **K** Sec. **27** Twp. **26N** Rge. **3W** Pay Zone: From **3994** To **4056**

Casing: OD **7-5/8** WT. **26.40** Set At **4206** Tubing: OD **2-3/8** WT. **4.7** T. Perf. **3957**

Produced Through: Casing ____ Tubing **X** Gas Gravity: Measured **.672** Estimated ____

Date of Flow Test: From **3-30-59** To **4-7-59** * Date S.I.P. Measured **12-30-58**

Meter Run Size **4.067** Orifice Size **0.500** Type Chart **L-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	479	psig + 12 =	491 psia	(g)
Square root chart average reading (____)^2 x sp. const.		=	____ psia	(g)
Corrected seven day avge. meter press. (pf) (g) + (e)		=	491 psia	(h)
P_t = (h) + (f)		=	491 psia	(i)
Wellhead casing shut-in pressure (Dwt)	1000	psig + 12 =	1012 psia	(j)
Wellhead tubing shut-in pressure (Dwt)	1000	psig + 12 =	1012 psia	(k)
P_c = (j) or (k) whichever well flowed through		=	1012 psia	(l)
Flowing Temp. (Meter Run)	51 F + 460	=	511 °Abs	(m)
P_d = ½ P_c = ½ (l)		=	506 psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X ($\sqrt{}$ / $\sqrt{}$)^n = ____ MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 170 \left[\frac{768{,}108}{782{,}613} \right]^{0.9842} = 170 \left[(0.9815)^n \right] = 167 \text{ MCF/da.}$$

SUMMARY

P_c =	1012	psia	
Q =	170	Mcf/dy	
P_w =	492	psia	
P_d =	506	psia	
D =	167	Mcf/dy	

Company **OCCIDENTAL PETROLEUM CORP.**

By **M.B. JONES, NORTHWEST PRODUCTION CORP.**

Title **AGENT**

Witnessed by ____

Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{P^2}$ $\frac{(1-e^{-S})}{}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
2659	0.176	2.554	450	241,081	241,531	491.5

Fc = 9.402

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