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 Basin Dakota Formation Dakota County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed March 15, 1962

Operator Pan American Petroleum Corp. Lease Jicarilla Contract 148 Well No. 13

Unit C Sec. 15 Twp. 25N Rge. 5W Pay Zone: From 7426 To 7468 open point @

Casing: OD 4-1/2" WT. 9.5# Set At 7538 Tubing: OD 2-3/8" WT. 4.7 T. Perf. 7408

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .679 Estimated ____

Date of Flow Test: From ____ To ____ * Date S.I.P. Measured September 27, 1961

Meter Run Size 4" Orifice Size .625 Type Chart Sq. Root 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 (6.75)^2 x sp. const. 10	=	456	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	456	psia	(h)
P_t = (h) + (f)	=	456	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1986	psig + 12 =	1998	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1985	psig + 12 =	1997	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1998	psia	(l)
Flowing Temp. (Meter Run) 43 °F + 460	=	503	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	999	psia	(n)

FLOW RATE CALCULATION

Q = 213 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_\right)^*$ = 213 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_c^2}{P_c^2 - P_w^2} = \frac{2,990,008}{3,778,847}\right]^n$ .8390 = 179 MCF/da.

RECEIVED
MAR 16 1962
OIL CON. COM.
DIST. 3

SUMMARY

P_c =	1997	psia
Q =	213	Mcf/day
P_w =	457	psia
P_d =	999	psia
D =	179	Mcf/day

Company Pan American Petroleum Corporation
By F. W. Foell
Title Petroleum Engineer
Witnessed by ____
Company ____

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2}{R^2}$ $(1-e^{-s})$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
5089	.306	4,008	1226	207,936	209,162	457