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 Mesaverde Formation Mesaverde County Rio Arriba

Purchasing Pipeline Pacific Northwest Pipeline Company Date Test Filed

Operator Magnolia Lease Jicarilla "H" Well No. 4 L.T.

Unit A Sec. 1 Twp. 26N Rge. 3W Pay Zone: From 5537' To 6040'

Casing: OD 5 1/2" WT. 14# Set At 6100' Tubing: OD 2 3/5" WT. 4.7# T. Perf. 5523

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .681 Estimated ____

Date of Flow Test: From May 22 '58 To May 30 * Date S.I.P. Measured 7-28-57

Meter Run Size 3.067 Orifice Size 1.250 Type Chart L-10-8 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 (7.79) ^{2} x sp. const. 10	=	607	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	607	psia	(h)
P_t = (h) + (f)	=	607	psia	(i)
Wellhead casing shut-in pressure (Dwt)	____ psig + 12 =	____	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1565	psig + 12 =	1577	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1577	psia	(l)
Flowing Temp. (Meter Run) 63 °F + 460	=	523	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	789	psia	(n)

FLOW RATE CALCULATION

$$Q = 131 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{1}{1} = 1 \right)^* = 131 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{1864.4}{2118.2} \right]^n \quad n = .75 \quad .9087 = 119 \text{ MCF/da.}$$

SUMMARY

P_c =	1577	psia
Q =	131	Mcf/day
P_w =	607	psia
P_d =	789	psia
D =	119	Mcf/day

Company MAGNOLIA PETROLEUM COMPANY
By W. B. Thrasher
Title Dist. Engineer
Witnessed by ____
Company ____

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3,756	.239	1.4	.3	368.4	368.7	607

RECEIVED
JUL 14 1958
OIL CON. COM.
DIST. 3