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 Date Test Filed 3-7-58

Operator Magnolia Petroleum Company Lease Jicarilla "H" Well No. 3 MV-LP

Unit A Sec. 12 Twp. 26N Rge. 3W Pay Zone: From 5442' To 5654'

Casing: OD 5 1/2" WT. 14# Set At 6030' Tubing: OD 2 3/8" WT. 4.7# T. Perf. 5418'

Produced Through: Casing - Tubing X Gas Gravity: Measured 0.690 Estimated -

Date of Flow Test: From 1-31-58 To 2-8-58 * Date S.I.P. Measured 10-24-57

Meter Run Size 4.026" Orifice Size 0.750" Type Chart L-10 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 (7.71)^2 x sp. const. 10	=	595	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	595	psia	(h)
P_t = (h) + (f)	=	595	psia	(i)
Wellhead casing shut-in pressure (Dwt) -	psig + 12 =	-	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1401	psig + 12 =	1413	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1413	psia	(l)
Flowing Temp. (Meter Run) 68 °F + 460	=	528	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	706	psia	(n)

FLOW RATE CALCULATION

Q = 127 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{-}{-} = 1.000 \right)^*$ = 127 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{1998.2}{1642.3} \right]^n$ .75 $(.912)^{.75} = .9334$ = 120.6 MCF/da.

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SUMMARY

P_c =	1413 psia	Company	MAGNOLIA PETROLEUM COMPANY
Q =	127 Mcf/day	By	James A. Bogan, Jr.
P_w =	595 psia	Title	Gas Engineer
P_d =	706 psia	Witnessed by	-
D =	~~120.6~~ 121 Mcf/day	Company	-

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3738	0.238	1.4	0.3	354.0	354.3	595

RECEIVED
MAR 17 1958
OIL CON. COM.
DIST. 3