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 Undesignated Pictured Cliffs Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline Pacific Northwest Date Test Filed 2/3/58

Operator Magnolia Petroleum Company Lease Jicarilla "F" Well No. 6

Unit M Sec. 2 Twp. 26N Rge. 3W Pay Zone: From 3598 To 3684

Casing: OD 5 1/2" WT. 14 Set At 5960 Tubing: OD 2 3/8" WT. 4.7# T. Perf. 3575

Produced Through: Casing - Tubing - Gas Gravity: Measured .631 Estimated

Date of Flow Test: From 12/16/57 To 12/23/57* Date S.I.P. Measured 7-31-57

Meter Run Size 2.067 Orifice Size 1.000 Type Chart sq. rt. 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 (5.736)^2 x sp. const. 15	=	493 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	493 psia	(h)
P_t = (h) + (f)	=	493 psia	(i)
Wellhead casing shut-in pressure (Dwt) 1062	psig + 12 =	1074 psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1064	psig + 12 =	1076 psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1076 psia	(l)
Flowing Temp. (Meter Run) 68 °F + 460	=	528 °Abs	(m)
P_d = ½ P_c = ½ (l)	=	538 psia	(n)

FLOW RATE CALCULATION

Q = 369.9 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{-}{-} = 1\right)^*$ = 369.9 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{868,332}{914,332}\right]^n$ .85 .9632 = 356.3 MCF/da.

SUMMARY

P_c =	1076 psia	Company	MAGNOLIA PETROLEUM COMPANY
Q =	369.9 ~~370~~ Mcf/day	By	James A. Logan, Jr.
P_w =	493 psia	Title	Gas Engineer
P_d =	538 psia	Witnessed by	-
D =	356.3 Mcf/day	Company	-

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1971	.194	12.1	2.35	243.08	243.43	493.4

* Flow period 70 hours.

RECEIVED
FEB 13 1958
OIL CON. COM.
DIST. 3