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 Mesa Verde County Rio Arriba

Purchasing Pipeline Pacific Northwest Date Test Filed 3-7-58

Operator Magnolia Petroleum Company Lease Sloarilla "C" Well No. 3 M.V.LT

Unit M Sec. 35 Twp. 27N Rge. 3W Pay Zone: From 5519 To 6038

Casing: OD 5 1/2 WT. 14# Set At 6019 Tubing: OD 2 3/8" WT. 4.7 T. Perf. 5,580

Produced Through: Casing: Tubing x Gas Gravity: Measured .680 Estimated

Date of Flow Test: From 1-16-58 To 1-23-58 * Date S.I.P. Measured 7-31-57

Meter Run Size 2.068 Orifice Size 1.00 Type Chart 1-10 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 (8.53) ^{2} x sp. const. 10	=	727 psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	727 psia	(h)
P_t = (h) + (f)	=	727 psia	(i)
Wellhead casing shut-in pressure (Dwt)	psig + 12 =	- psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1690	psig + 12 =	1702 psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1702 psia	(l)
Flowing Temp. (Meter Run) 67 °F + 460	=	527 °Abs	(m)
P_d = ½ P_c = ½ (l)	=	851 psia	(n)

FLOW RATE CALCULATION

$$Q = 1062 \text{ (integrated)} \times \left(\frac{\sqrt{h_w}}{\sqrt{(d)}} = \frac{-}{-} = 1.000 \right)^{*} = 1062 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{2172.6}{2345.1} \right]^{n} \cdot 75 \quad (.926)^{.75} = .9444 = 998 \text{ MCF/da.}$$

SUMMARY

P_c =	1702 psia	Company	MAGNOLIA PETROLEUM COMPANY
Q =	1062 Mcf/day	By	James A. Logan, Jr.
P_w =	743 psia	Title	Gas Engineer
P_d =	851 psia	Witnessed by	-
D =	998 Mcf/day	Company	-

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2}{R^2}(1-e^{-S})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
1006	.0842	96.0	23.2	528.5	551.7	743

RECEIVED
MAR 17 1958
OIL CON. COM.