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 [redacted] Formation PICTURED CLIFFS County [redacted]

Purchasing Pipeline [redacted] Date Test Filed 1-15-57

Operator [redacted] Lease [redacted] Well No. 1

Unit K Sec. 2 Twp. 29N Rge. 6W Pay Zone: From 2201 To 2311

Casing: OD 5-1/2" WT. 14# Set At 2206 Tubing: OD 1-1/4" WT. 2.4# T. Perf. 2265

Produced Through: Casing X Tubing [redacted] Gas Gravity: Measured 0.680 Estimated [redacted]

Date of Flow Test: From 12-23-56 To 12-31-56 Date S.I.P. Measured 9-13-55

Meter Run Size 4" Orifice Size 1.000 Type Chart Sq. Rt. Type Taps Flange

OBSERVED DATA

Flowing casing pressure (Dwt)	[redacted] psig + 12 =	[redacted]	psia	(a)
Flowing tubing pressure (Dwt)	[redacted] psig + 12 =	[redacted]	psia	(b)
Flowing meter pressure (Dwt)	[redacted] psig + 12 =	[redacted]	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken):				
Normal chart reading	[redacted] psig + 12 =	[redacted]	psia	(d)
Square root chart reading ([redacted]) ^{2} x spring constant	[redacted] =	[redacted]	psia	(d)
Meter error (c) - (d) or (d) - (c)	±	= [redacted]	psi	(e)
Friction loss, Flowing column to meter:				
(b) - (c) Flow through tubing: (a) - (c) Flow through casing		= [redacted]	psi	(f)
Seven day average static meter pressure (from meter chart):				
Normal chart average reading	[redacted] psig + 12 =	[redacted]	psia	(g)
Square root chart average reading (7.75) ^{2} x sp. const. 5	=	301	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	301	psia	(h)
P_t = (h) + (f)	=	301	psia	(i)
Wellhead casing shut-in pressure (Dwt) 712	psig + 12 =	724	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 712	psig + 12 =	724	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	724	psia	(l)
Flowing Temp. (Meter Run) 42 °F + 460	=	502	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	362	psia	(n)

FLOW RATE CALCULATION

Q = [redacted] (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\text{[redacted]}}{\text{[redacted]}} = \text{[redacted]}\right)^{*}$ = [redacted] MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{393,280}{433,600}\right]^n$ 187 × 0.92 = 172 MCF/da.

SUMMARY

P_c =	724	psia
Q =	187	Mcf/day
P_w =	[redacted]	psia
P_d =	362	psia
D =	172	Mcf/day

Company [redacted]
By [redacted]
Title [redacted]
Witnessed by [redacted]
Company [redacted]

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JAN 17 1957
OIL CON. COM.
DIST. 3

* 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	
			Friction negligible			

OK

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