

1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address POGO PRODUCING COMPANY P.O. BOX 10340 MIDLAND, TEXAS 79702-4345		OGRID Number 17891
Property Code 29782	Property Name MILLS "19"	API Number 30-025-35918
		Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
Lot 2	19	22S	32E		2080'	NORTH	330'	WEST	LEA

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County

Proposed Pool 1

LIVINGSTON RIDGE-DELAWARE (39360)

Proposed Pool 2

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code P	Ground Level Elevation 3597'
Multiple NO	Proposed Depth 8600'	Formation DELAWARE	Contractor UNKNOWN	Spud Date WHEN APPROVED

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
25"	20"	NA	40'	Redi-mix	SURFACE
17 1/2"	13 3/8"	48	800'	800 Sx.	SURFACE
11"	8 5/8"	32	4400'	1500 Sx.	SURFACE
7 7/8"	5 1/2"	17	8600'	1650 Sx.	SURFACE

Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17 1/2" hole to 800'. Run and set 800' of 13 3/8" 48# H-40 ST&C. Cement with 800 Sx. of Class "C" cement + 2% CaCl₂ + 1/2# Flocele/Sx. Circulate cement to surface.
3. Drill 11" hole to 4400'. Run and set 4400' of 8 5/8" 32# J-55 ST&C casing. Cement with 1500 Sx. of Class "C" cement + additives, circulate cement to surface.
4. Drill 7 7/8" hole to 8600'. Run and set 8600' of 5 1/2" casing as follows: 2500' of 5 1/2" 17# J-55 LT&C, 5100' of 5 1/2" 15.5# J-55 LT&C, 1000' of 5 1/2" 17# J-55 LT&C. Set DV tools at 6100' & 3700'±. Cement 1st stage with 650 Sx. of Class "H" cement + additives, 2nd stage cement with 600 Sx. of Class "C" cement + additives, 3rd stage cement with 400 Sx. of Class "C" cement + additives, circulate cement to surface.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Joe T. Janica</i>		ORIGINAL SIGNED BY	
Printed name: Joe T. Janica		Approved by: PAUL F. KAUTZ	
Title: Agent		PETROLEUM ENGINEER	
Date: 05/20/02		Approval Date: MAY 22 2002	
Phone: 505-391-8503		Expiration Date:	
Conditions of Approval:		Attached ☐	

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-35918	Pool Code 39360	Pool Name LIVINGSTON RIDGE-DELAWARE
Property Code 29782	Property Name MILLS "19"	Well Number 1
OGRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 3597'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	19	22-S	32-E		2080	NORTH	330	WEST	LEA

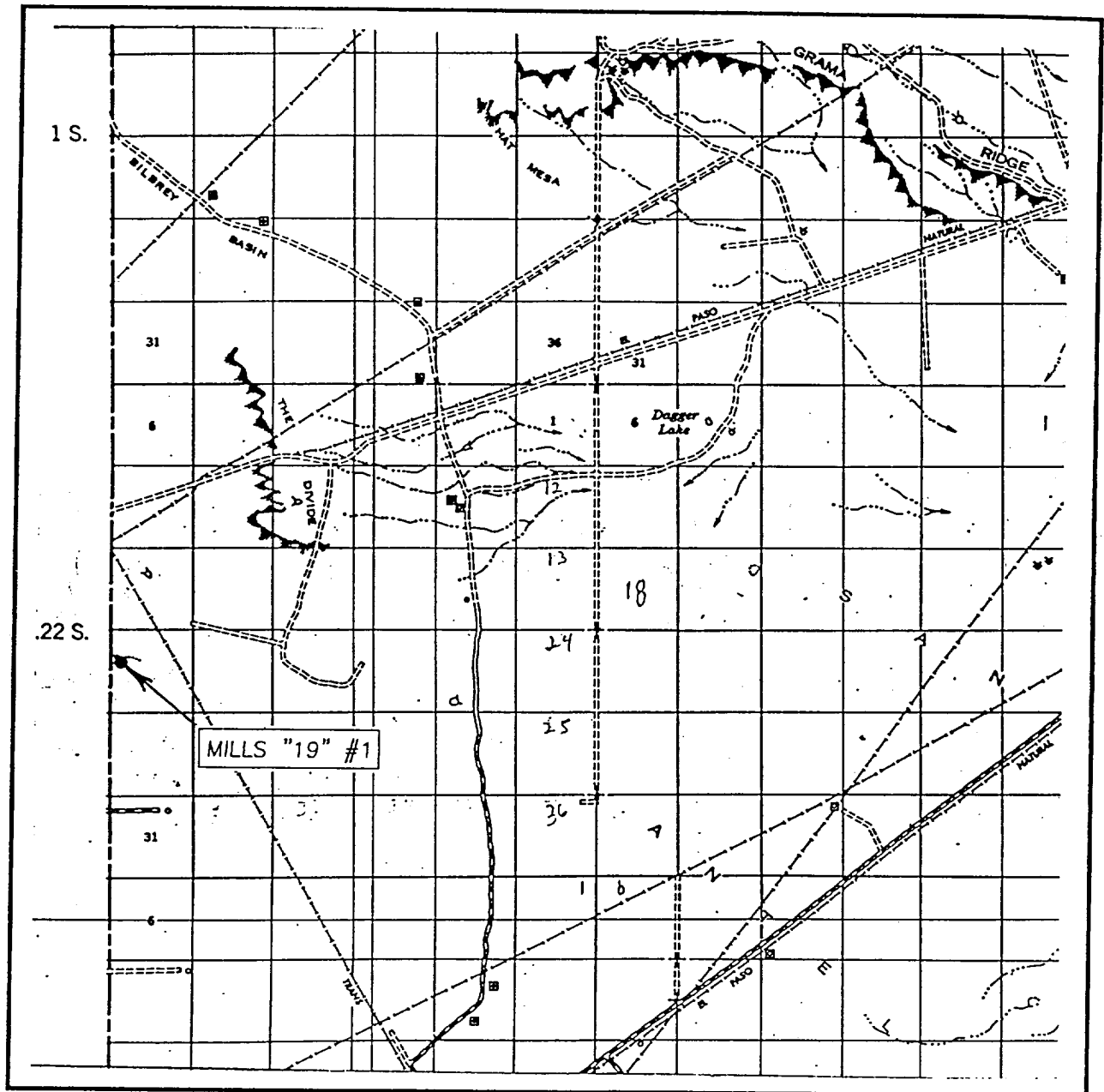
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 1 2080' 44.70 AC LOT 2 330' 44.75 AC LOT 3 44.79 AC LOT 4 77.84 AC	OPERATOR CERTIFICATION <i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature Joe T. Janica Printed Name Agent Title 05/20/02 Date	
	SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> MAY 15, 2002 Date Surveyed A.W.B. Signature & Seal of Professional Surveyor Certificate No. RONALD J. EDSON 3239 GARY EDSON 12641	

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 19 TWP. 22-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2080' FNL & 330' FWL

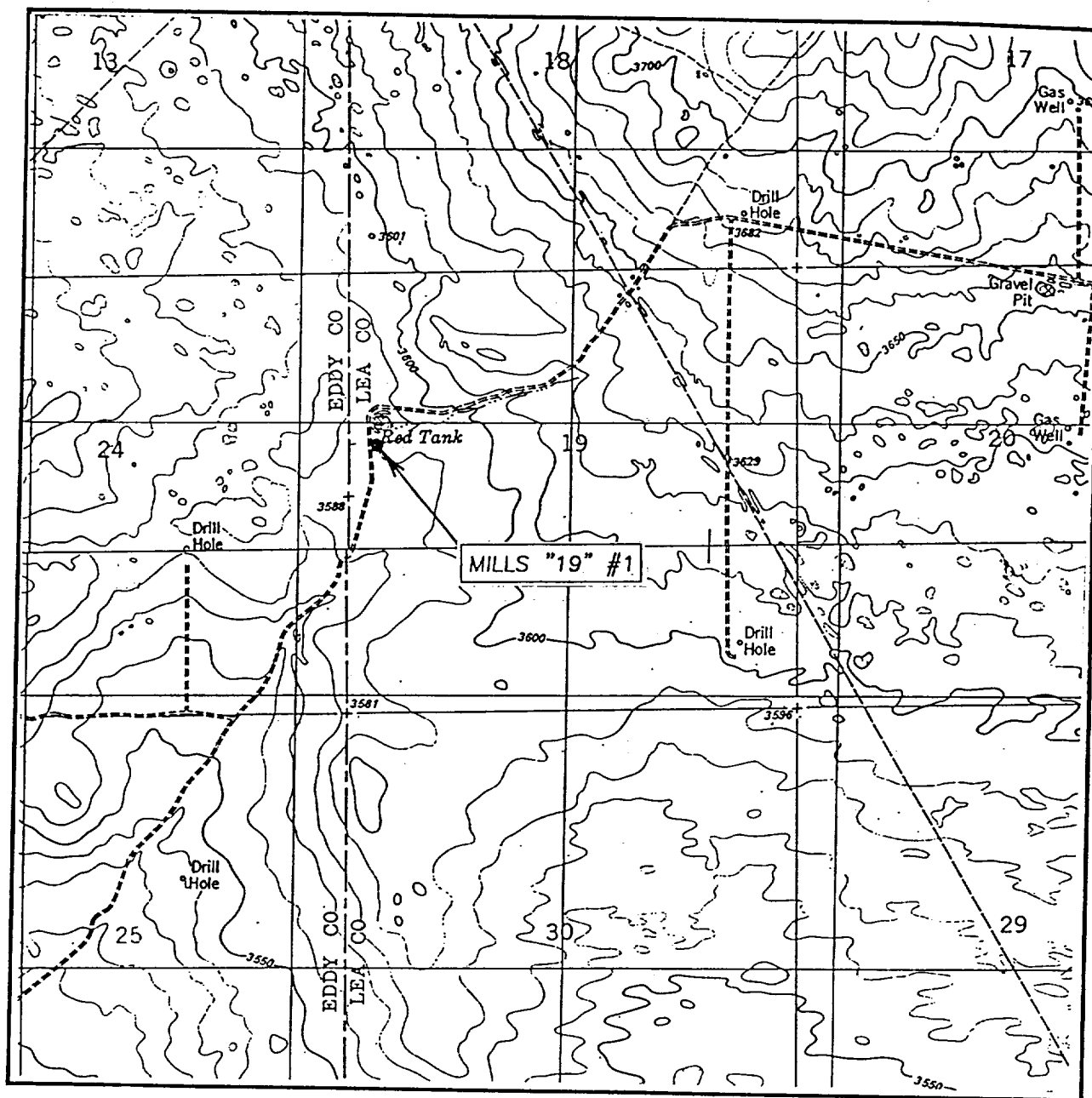
ELEVATION 3597'

OPERATOR POGO PRODUCING COMPANY

LEASE MILLS "19"

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'
BOOTLEG RIDGE, N.M.
THE DIVIDE, N.M.

SEC. 19 TWP. 22-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2080' FNL & 330' FWL

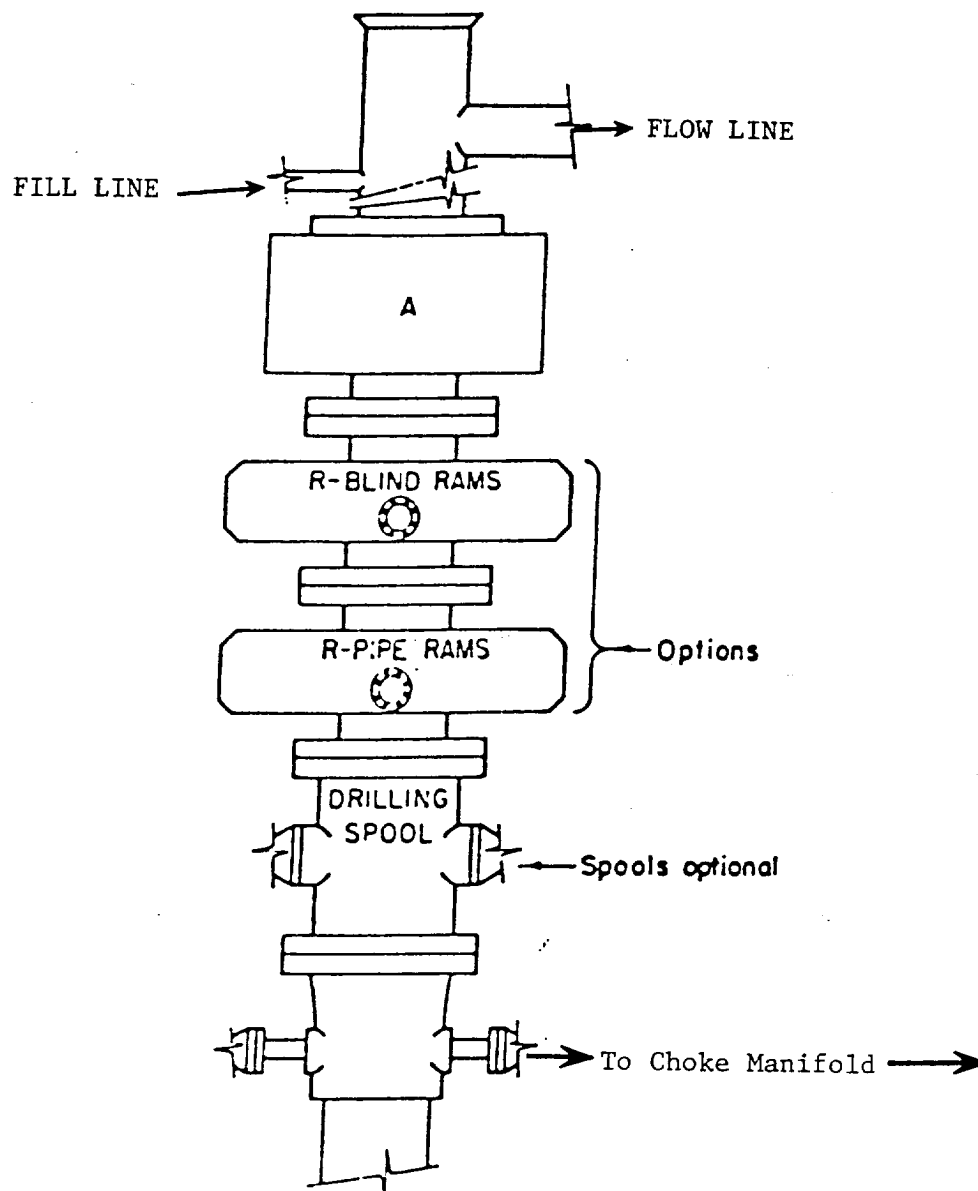
ELEVATION 3597'

OPERATOR POGO PRODUCING COMPANY

LEASE MILLS "19"

U.S.G.S. TOPOGRAPHIC MAP
BOOTLEG RIDGE, & THE DIVIDE, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117



ARRANGEMENT SRRA

900 Series
3000 PSI WP

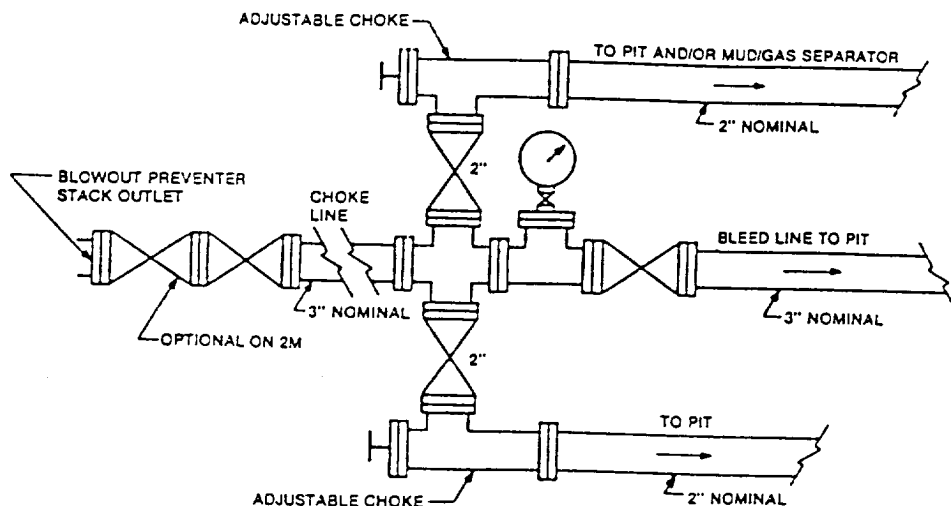


FIGURE K4-1. Typical choke manifold assembly for 2M and 3M rated working pressure service — surface installation.

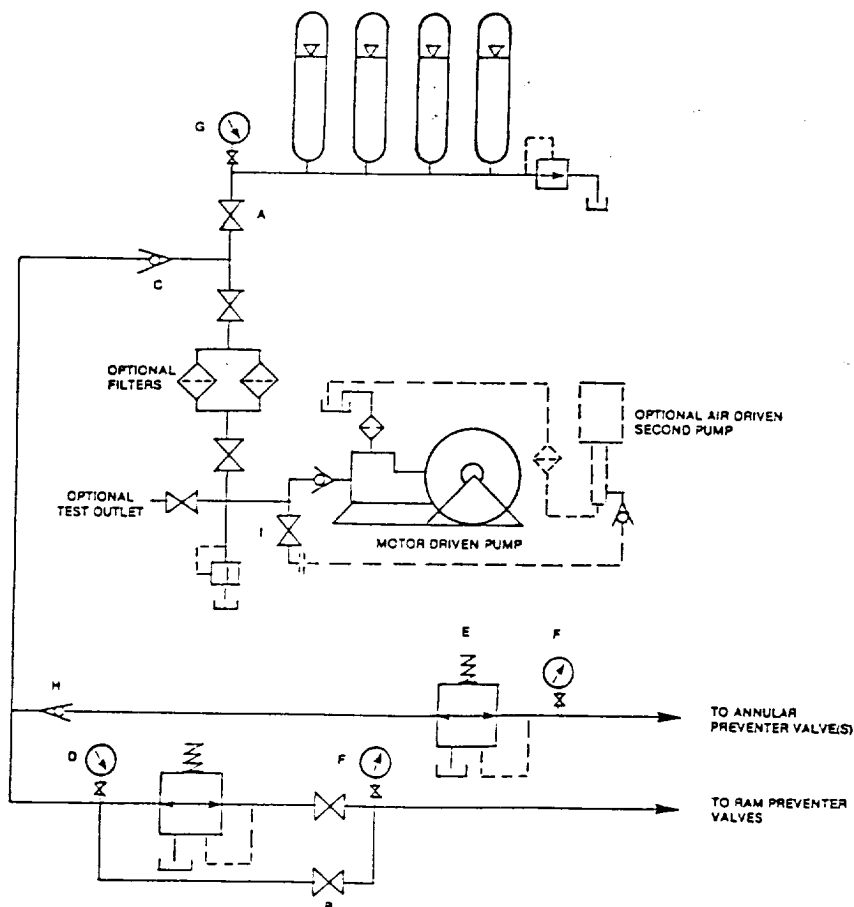


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.