

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0136
Expires: November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM-12671 012671
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name 0:33
2. Name of Operator Phillips Petroleum Company		7. Unit or CA Agreement Name and No. San Juan 29-6 Unit
3a. Address 5525 Highway 64, NBU 3004, Farmington, NM 87401	3b. Phone No. (include area code) 505-599-3454	8. Lease Name and Well No. SJ 29-6 Unit #98M
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface Unit I, 1850' FSL & 790' FSL EL		9. API Well No. 30-037-26458
At proposed prod. zone Same as above		10. Field and Pool, or Exploratory Basin DK and Blanco MV
14. Distance in miles and direction from nearest town or post office* 22 miles east of Blanco		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 26, T29N, R6W
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 790'	16. No. of Acres in lease 713.18 acres	12. County or Parish Rio Arriba
17. Spacing Unit dedicated to this well DK-320 S/2 & MV-320 E/2	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 29-6 #43A - @ 1000'	13. State NM
19. Proposed Depth 7818'	20. BLM/BIA Bond No. on file ES0048	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6421' (unprepared groundlevel)	22. Approximate date work will start* 3rd Qtr. 2000	23. Estimated duration 1 month

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

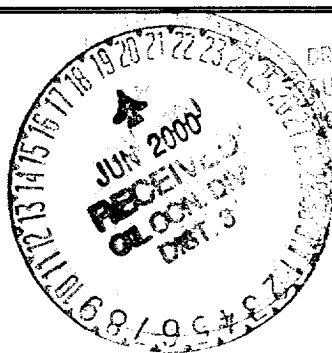
25. Signature <i>Patsy Clugston</i>	Name (Printed/Typed) Patsy Clugston	Date 5/17/00
Title Sr. Regulatory/Proration Clerk		
Approved by (Signature) <i>/s/ Jim Lovato</i>	Name (Printed/Typed)	Date JUN 15 2000
Title Office		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on Reverse)

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.



DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS.

Revised October 18, 1999

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

200 MAR 17 AM 9:33 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAN	
' API Number 30039-26458	' Pool Code 71599
' Pool Name Basin Dakota	
' Property Code 009257	' Property Name SAN JUAN 29-6 UNIT
' OGRID No. 017654	' Operator Name PHILLIPS PETROLEUM COMPANY
' Well Number 98M	
' Elevation 6421'	

¹⁰ Surface Location


UI. or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
I	26	29N	6W		1850'	SOUTH	790'	EAST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

[illegible]

" Dedicated Acres	" Joint or Infill	" Consolidation Code	" Order No.
320 S/2	I	U	

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

16	S89°50'E	5277.36'	
5280.00'			
N00°03'E	Section 26		
FEE	98'	FEE	NM-012671 713.18 acres 98m 790' 1850'
	S89°51'E	5276.04'	N00°03'E

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Patsy Clugston

Signature _____

Patsy Clugston

Printed Name _____

Sr. Regulatory/Proration Clerk

Title _____

May 12, 2000

Date _____

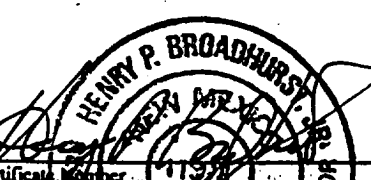
18 SURVEYOR CERTIFICATION

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.

04/26/2000

Date of Survey _____

Signature and Seal of Professional Surveyer: _____



District I
P.O. Box 1980, Hobbs, NM 88241-1980
District II
111 South First, Artesia, NM 88210
District III
1000 Rio Hrazon Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-10
Revised October 18, 1995
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

200 MAY 17 11 09:38

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30039-26458 'API Number	72319 'Pool Code	Blanco Mesaverde 'Pool Name
009257 'Property Code	SAN JUAN 29-6 UNIT 'Property Name	
017654 'OGRID No.	PHILLIPS PETROLEUM COMPANY 'Operator Name	
		98M 'Well Number
		6421' 'Elevation

10 Surface Location

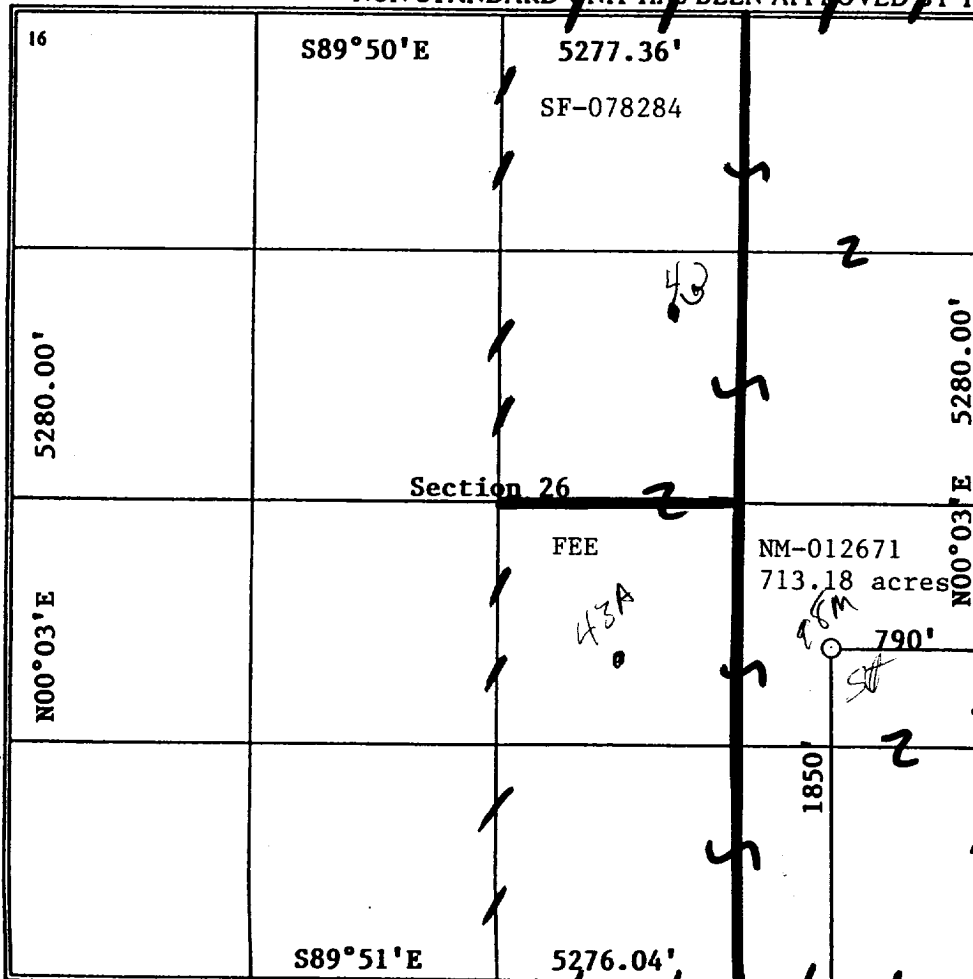
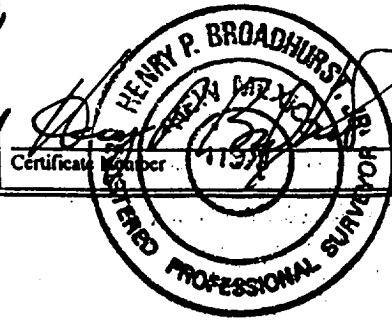
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	26	29N	6W		1850'	SOUTH	790'	EAST	RIO ARriba

11 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
I									

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320 E/2	I	U	

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

16	S89°50'E	5277.36'		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature: <u>Patsy Clugston</u> Printed Name: Patsy Clugston Title: Sr. Regulatory/Proation Clerk Date: May 12, 2000
5280.00'				18 SURVEYOR CERTIFICATION 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. Date of Survey: 04/26/2000 Signature and Seal of Professional Surveyer: 
N00°03'E		FEE NM-012671 713.18 acres		
	S89°51'E	5276.04'		

PHILLIPS PETROLEUM COMPANY

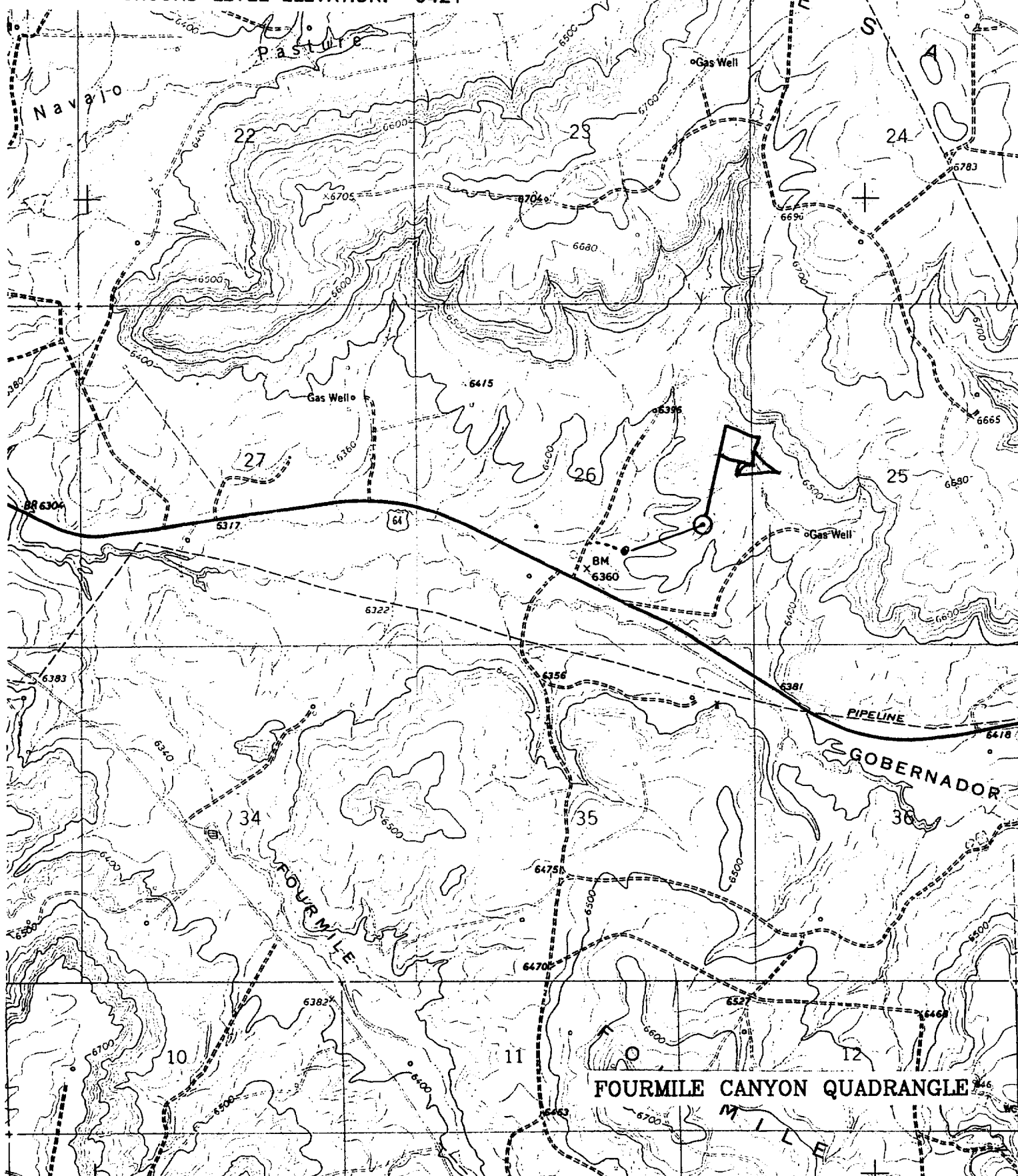
SAN JUAN 29-6 UNIT No. 98M

1850' FSL, 790' FEL

SE/4 SEC. 26, T-29-N, R-06-W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

GROUND LEVEL ELEVATION: 6421'



Casing Design Worksheet

Surface Casing

Size	Grade	#/foot	Collapse	Yield	Tensile	Coupling	Length	Weight
9-5/8"	J-55	36	2020	3520	423	ST&C	320	11,520

Intermediate Casing

Size	Grade	#/foot	Collapse	Yield	Tensile	Coupling	Length	Weight
7"	J-55	20	2270	3740	254	ST&C	3,743	74,860
								-
								-
								-
Total Weight								74,860

Production Casing

Size	Grade	#/foot	Collapse	Yield	Tensile	Coupling	Length	Weight
4-1/2"	I-80	11.6	6360	7780	212	LT&C	7,818	90,689
								-
								-
								-
Total Weight								90,689

Casing Parameters

Tensile

$SF_t = \text{Tensile} / ; \text{Must Exceed 1.8 for Dry or 1.6 for Bouyant}$

9-5/8"	Surf.	423000 /	11,520	=	36.7
7"	Int.	254000 /	74,860	=	3.4
4-1/2"	Prod.	212000 /	90,689	=	2.3

Collapse

$SF_c = \text{Collapse} / (\text{Maximum Formation Pressure}) \text{ or } (\text{Mud Gradient X T. V. D.}); \text{Must Exceed 1.125}$

9-5/8"	Surf.	2020 /	160	=	12.6
7"	Int.	2270 /	1300	=	1.7
4-1/2"	Prod.	6360 /	3000	=	2.1

Burst

$SF_b = \text{Burst} / (\text{Maximum Formation Pressure}) \text{ or } (\text{Mud Gradient X T. V.D.}); \text{Must Exceed 1.0}$

9-5/8"	Surf.	3520 /	160	=	22.0
7"	Int.	3740 /	1300	=	2.9
4-1/2"	Prod.	7780 /	3300	=	2.4

B.O.P. Requirement - (Maximum Formation Pore Pressure) or (Mud Weight X 0.05195 x T. V. D.) - 0.22 X T.V.D.

3,000

Excess Cement Volumes

Surface	110%
Intermediate	110%
Production	N.A.

Note: Cement volume calculations are stored in the computer log.

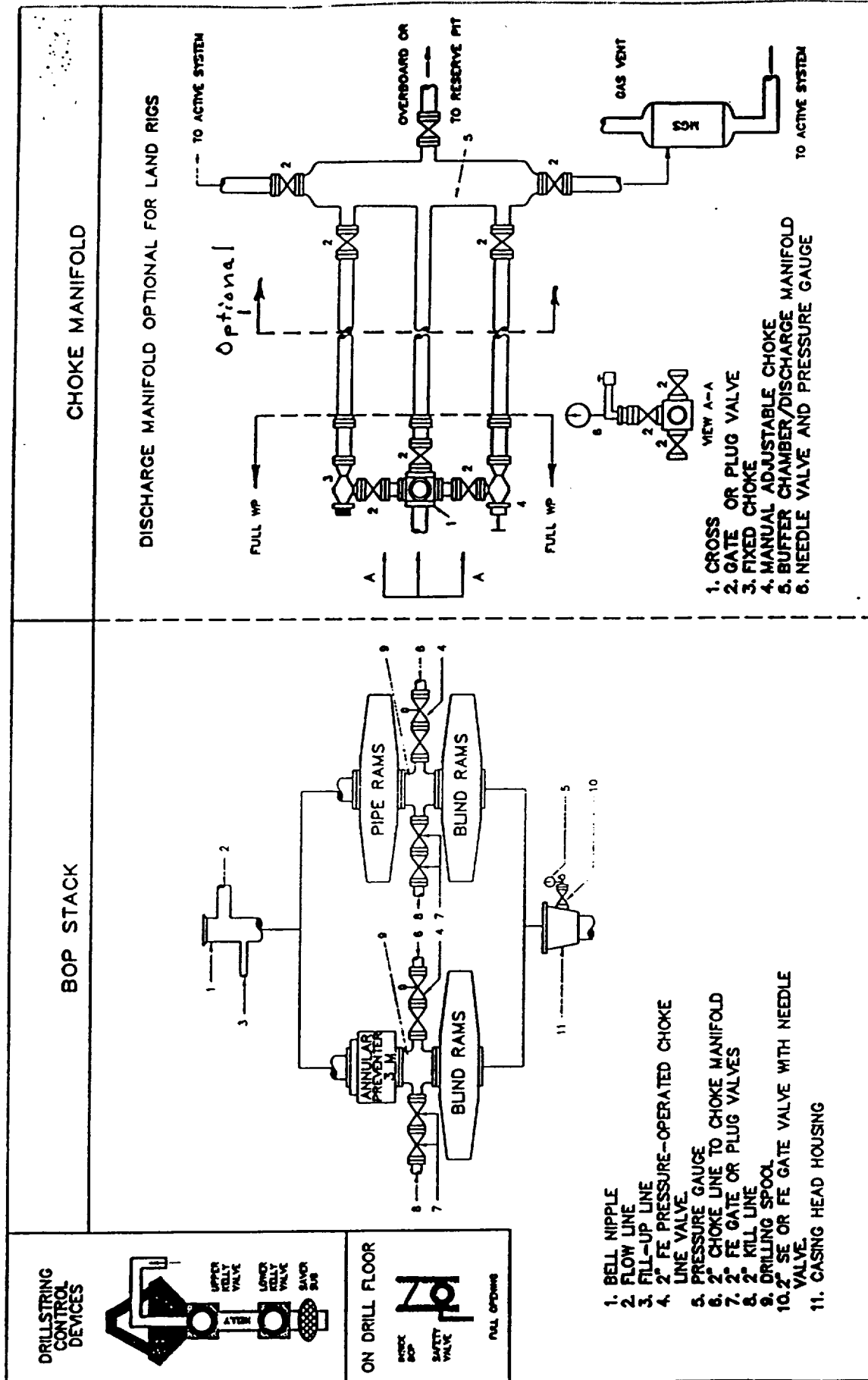


Fig. 2.4. Class 2 BOP and Choke Manifold.