

Submit to Appropriate -
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

file

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

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

RECEIVED

AUG 20 1991

API NO. (assigned by OCD on New Wells)
30-015-26815
5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
NM-V-3605

7. Lease Name or Unit Agreement Name
Molly State

8. Well No.
1

9. Pool name or Wildcat
Livingston Ridge (Delaware)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:
DRILL ☒ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☐

b. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
PHILLIPS PETROLEUM COMPANY

3. Address of Operator
4001 Penbrook St., Odessa, Texas 79762

4. Well Location
Unit Letter C : 660 Feet From The North Line and 1980 Feet From The West Line
Section 1 Township 22-S Range 31-E NMPM Eddy County

10. Proposed Depth
8500'

11. Formation
Delaware

12. Rotary or C.T.
Rotary

13. Elevations (Show whether DF, RT, GR, etc.)
3563' (unprepared)

14. Kind & Status Plug. Bond
Blanket

15. Drilling Contractor
Advise Later

16. Approx. Date Work will start
upon approval

17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	54.5#	400'	700 ck C	Surface
12-1/4"	8-5/8"	24#	3500'	100 sk C & tail 200 sk C	Surface
7-7/8"	5-1/2"	15.5# & 17#	8500'	1st stage 600 sk C Neat	6000'
				2nd stage 200 sk C	3000'
				Tail 600 sk C Neat	5000'

BOP EQUIPMENT SERIES 900, 3000# WP (see attached schematic)

Mud Program Attached

*Part ID-1
8-30-91
New Line & API*

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 2/23/92
UNLESS DRILLING UNDERWAY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. Supervisor,
SIGNATURE L. M. Sanders TITLE Regulation and Proration DATE 8/19/91
TYPE OR PRINT NAME L. M. Sanders (915) 368-1667
TELEPHONE NO.

(This space for State Use) ORIGINAL SIGNED BY
MIKE WILLIAMS
APPROVED BY SUPERVISOR, DISTRICT II TITLE DATE AUG 23 1991

CONDITIONS OF APPROVAL, IF ANY:

NOTIFY N.M.O.C.D. IN SUFFICIENT
TIME TO WITNESS CEMENTING THE
13 3/8-8 5/8-5 1/2 CASING

Submit to Appropriate
District Office
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Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

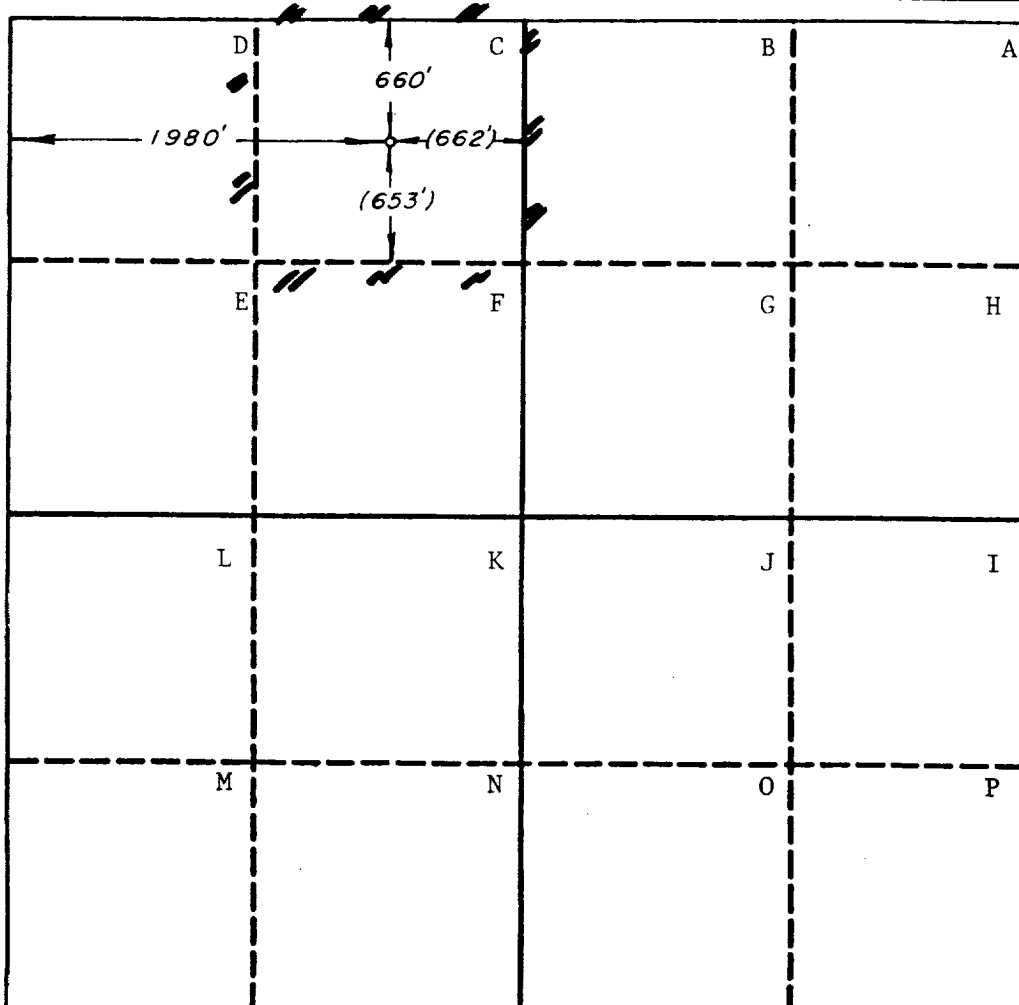
Operator PHILLIPS PETROLEUM COMPANY			Lease MOLLY STATE		Well No. #1
Unit Letter C	Section I	Township 22-SOUTH	Range 31-EAST	County NMPM EDDY	

Actual Footage Location of Well:

660 feet from the NORTH line and 1980 feet from the WEST line

Ground level Elev. 3563'	Producing Formation LIVINGSTON RIDGE FED.	Pool Livingston Ridge (Delaware)	Dedicated Acreage: 40 Acres
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1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary). _____
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature <i>L. M. Sanders</i>
Printed Name L. M. SANDERS
Position Supervisor
REGULATION AND PRORATION
Company PHILLIPS PETROLEUM COMPANY
Date 8/19/91

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 knowledge and belief.

AUGUST 6, 1991

Date Surveyed
Signature & Seal of Professional Surveyor <i>John B. Harrison</i>
Certificate No. 4882

PROPOSED CASING & CEMENTING PROGRAM

MOLLY STATE WELL NO. 1

13 3/8" 54.5 lb/ft J-55 Surface Casing Set at 400' - 17 1/2" Hole:

Circulate to surface with 700 sacks of Class "C" + 2% CaCl_2 .

Slurry Weight:	14.8 ppg ₃
Slurry Yield:	1.32 ft ³ /sx
Water Requirement:	6.3 gals/sx

8 5/8" 24 lb/ft J-55 Intermediate Casing Set at 3500' - 12 1/4" Hole:

Lead: 1000 sx Class "C" 65/35 Poz + 6% Bentonite + 15 lb/sx Salt.

Slurry Weight:	13.2 ppg ₃
Slurry Yield:	1.92 ft ³ /sx
Water Requirement:	9.9 gals/sx

Tail: 200 sx Class "C" + 10 lb/sx salt.

Slurry Weight:	15.2 ppg ₃
Slurry Yield:	1.38 ft ³ /sx
Water Requirement:	6.3 gals/sx

5 1/2" 15.5 & 17 lb/ft J-55 Production Casing Set at 8500' - 7 7/8" Hole:

Set stage tool at approximately 6000'.

1st Stage: 600 sx Class "C" Neat. Desired TOC = 6000'

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 ft ³ /sx
Water Required:	6.3 gal/sx

2nd Stage:

Lead: 200 sx Class "C" + 20% Diacel "D". Desired TOC = 3000'.

Slurry Weight:	12.0 ppg ₃
Slurry Yield:	2.69 ft ³ /sx
Water Requirement:	15.5 gals/sx

Tail: 600 sx Class "C" Neat. Desired TOC = 5000'.

Slurry Weight:	14.8 ppg ₃
Slurry Yield:	1.32 ft ³ /sx
Water Requirement:	6.3 gals/sx

MUD PROGRAM

MOLLY STATE WELL NO. 1

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	CL PPM	% SOLIDS	ADDITIVES
Surf - 400'	8.3-9.0 ppg	28-36 sec/1000 cc	-	-	-	Native Solids
400' - 3500'	10.0 ppg	29-32 sec/1000 cc	-	Saturated	-	Native Solids
3500' - 4500'	8.3-9.5 ppg	28-36 sec/1000 cc	-	-	-	
4500' - 8500'	8.5-9.0 ppg	32-38 sec/1000 cc	15 cc or less	-	-	Gel/Driscap Plus

Remarks: Use DBX dripped into flowline 10-15' upstream from lower end if extra settling of solids is desired while circulating the reserve.

The Mud Engineer shall include on each test report the materials used for the previous 24 hr. period. Twice weekly mail copies of the test reports to:

A. C. Sewell
4001 Penbrook
Odessa, Texas 79762

Send two copies of the Well Recap (Final Cost & Engineering Summaries) to A. C. Sewell at the above address.

FIELD PRACTICES AND STANDARDS

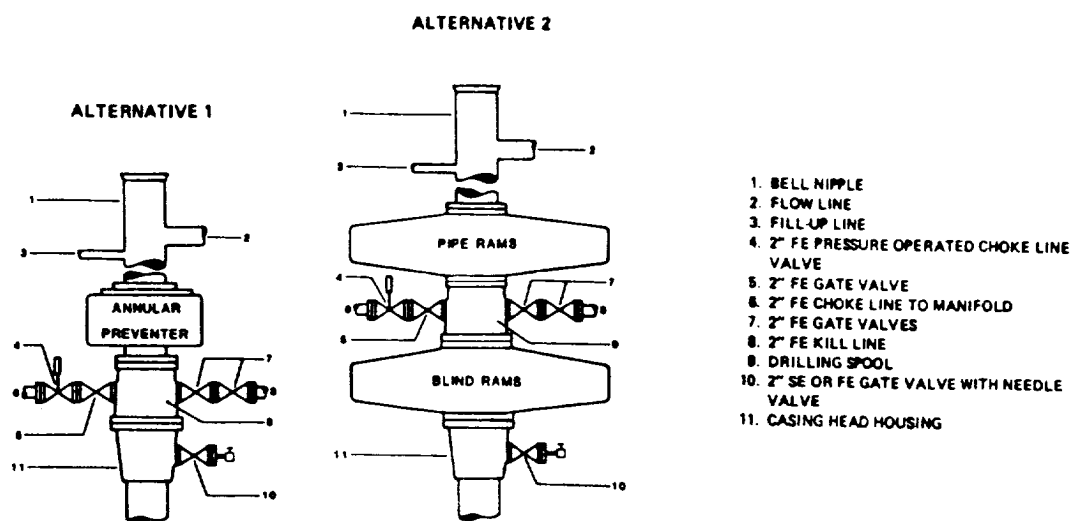


Figure 7-9. Standard Hydraulic Blowout Preventer Assembly
(2 M or 3 M Working Pressure) Alternative 1

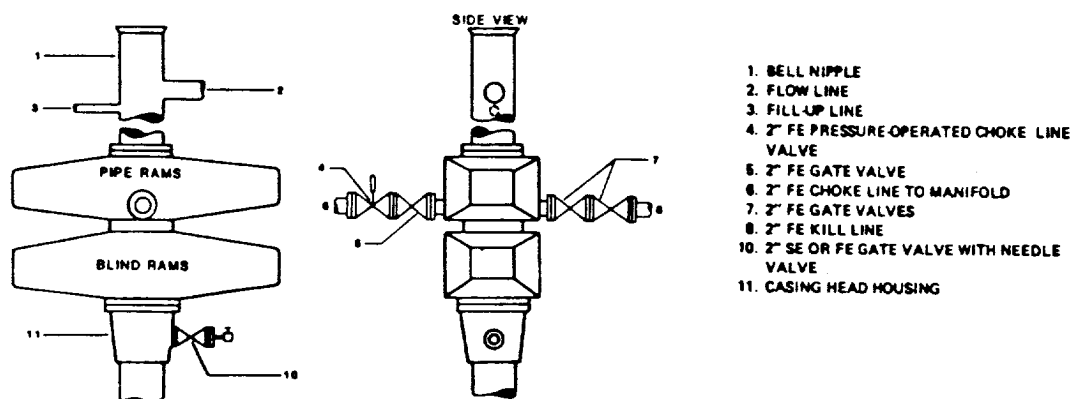


Figure 7-10. Standard Hydraulic Blowout Preventer Assembly
(2 M or 3 M Working Pressure) Alternative 3 (without Drilling Spool)