

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

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

API NO. (assigned by OCD on New Wells) <u>30-025-31682</u>
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B9642
7. Lease Name or Unit Agreement Name Chem State <u>9081</u>
8. Well No. 10
9. Pool name or Wildcat Tulk (Wolfcamp)

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 ☐
SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. Name of Operator

Phillips Petroleum Company

3. Address of Operator

4001 Penbrook St., Odessa, TX 79762

4. Well Location

Unit Letter L M: 1300 Feet From The South Line and 660 Feet From The West Line

Section 4 Township 15S Range 32E NMPM Lea County

10. Proposed Depth

10,100'

11. Formation

Wolfcamp

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DP, RT, GR, etc.)

GL 4321.2' (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"	48#	400'	700	Surface
12-1/4"	8-5/8"	24# & 32#	4200'	1350	Surface
7-7/8"	5-1/2"	15.5# & 17#	10100'	400 1st stage 650 2nd stage	8500' 3700'

Mud program & BOP schematic attached.
Unorthodox location set for hearing 8/6/92.

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.

SIGNATURE L. M. Sanders TITLE Supervisor, Reg. Affairs DATE 8/4/92

TYPE OR PRINT NAME L. M. Sanders

TELEPHONE NO. 368-1488

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE NOV 23 '92

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

M.L. appn by 8-1-92

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WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator PHILLIPS PETROLEUM COMPANY		Lease CHEM STATE		Well No. 10	
Unit Letter M	Section 4	Township 15 SOUTH	Range 32 EAST	County LEA	

Actual Footage Location of Well:

1300 feet from the SOUTH line and		660 feet from the WEST line	
Ground Level Elev. 4321.2	Producing Formation Wolfcamp	Pool Tulk (Wolfcamp)	Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P

660
1300

OPERATOR CERTIFICATION

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

Signature

L. M. Sanders

Printed Name

L. M. Sanders

Position Supervisor

Regulatory Affairs

Company

Phillips Pet. Co.

Date

8/4/92

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.

Date Surveyed

JULY 21, 1992

Signature & Seal of Professional Surveyor

Ronald J. Edson
REGISTERED LAND SURVEYOR
Certificate No. 876
JOHN W. WEST
RONALD J. EDSON 8238
GARY L. JONES 7977
92411-1021

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

PROPOSED CASING & CEMENTING PROGRAM

Chem State Well No. 10

13 3/8" 48 lb/ft H-40 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
Slurry Yield:	1.32 ft ³ /sx
Water Requirement:	6.3 gals/sx

8 5/8" 24 & 32 lb/ft K-55 Intermediate Casing Set at 4200' - 12 1/4" Hole:

Lead: 1200 sx Class "C" 65/35 Poz + 6% Bentonite + 5% Salt.

Slurry Weight:	13.2 ppg
Slurry Yield:	1.70 ft ³ /sx
Water Requirement:	8.8 gals/sx

Tail: 150 sx Class "C" Neat.

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 ft ³ /sx
Water Requirement:	6.2 gals/sx

5 1/2" 15.5 & 17 lb/ft K-55 & N-80 Prod. Casing Set at 10100' - 7 7/8" Hole:

Set stage tool at 8500'.

1st Stage: 400 sx Class "H" Neat. Desired TOC = 8500'.

Slurry Weight:	15.6 ppg
Slurry Yield:	5.2 ft ³ /sx
Water Requirement:	1.18 gals/sx

2nd Stage:

Lead: 500 sx Class "C" + 20% Diacel "D". Desired TOC = 3700'.

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

Tail: 150 sx Class "C" Neat.

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

PROPOSED MUD PROGRAM

Chem State Well No. 10

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	CL PPM	%SOLIDS	ADDITIVES
Surf - 400'	8.6-9.0 ppg	32-34 sec/1000 cc	-	-	-	Native Solids
400' - 4200'	10.0-10.2 ppg	30-32 sec/1000 cc	-	Saturated	-	Native Solids
4200' - 9000'	8.8-9.0 ppg	28-30 sec/1000 cc	-	-	-	
9000' - 10100'	9.2-9.5 ppg	34-40 sec/1000 cc	12 - 15 cc	-	-	Starch/Drispac+

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.

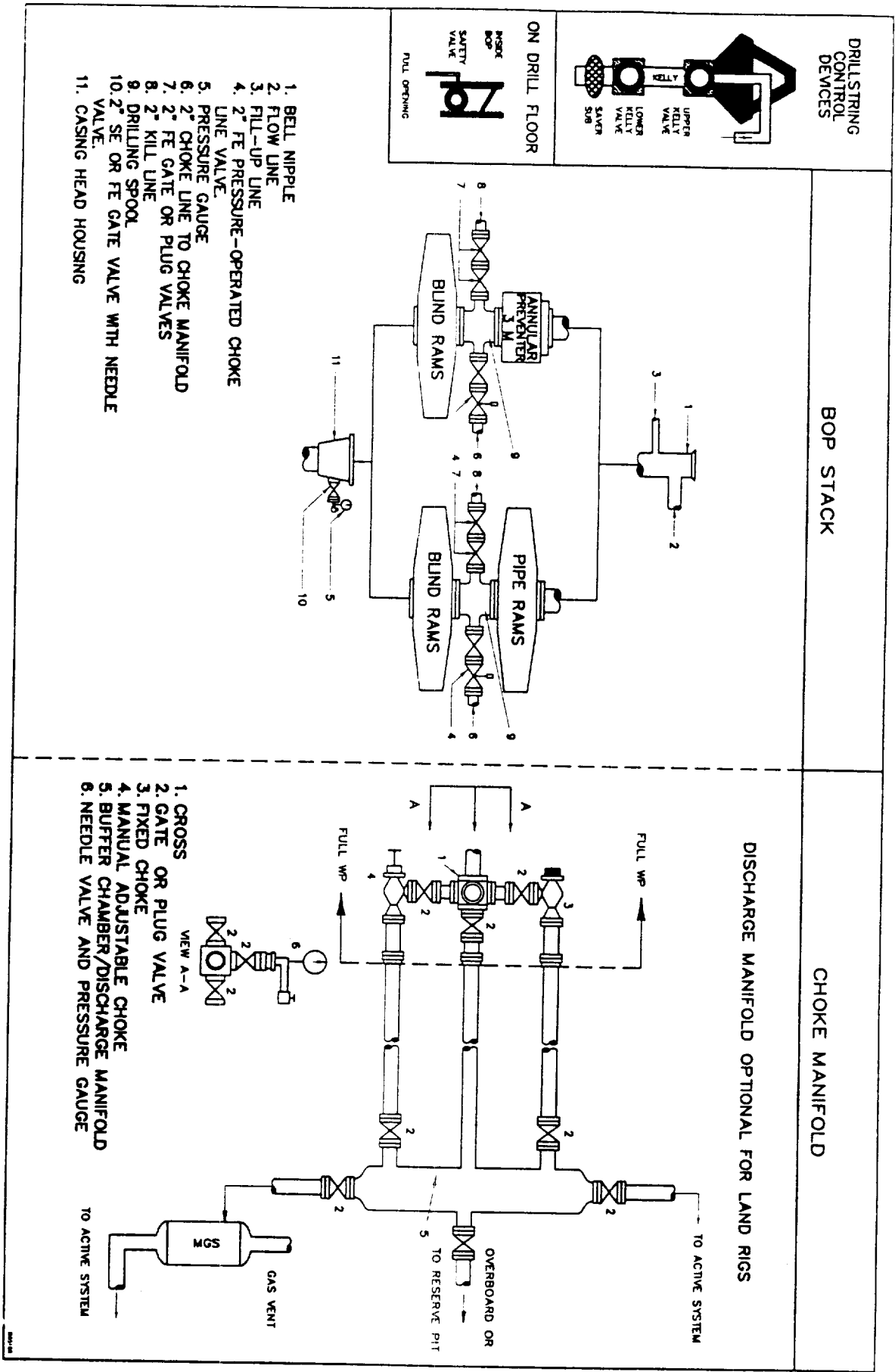


Fig. 2.4. Class 2 BOP and Choke Manifold.