

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

State of New Mexico  
Ent. , 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)	30-025-31680
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	B9642
7. Lease Name or Unit Agreement Name	Chem State 9081
8. Well No.	8
9. Pool name or Wildcat	6042.0 Tulk(Wolfcamp)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>					
b. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>					
2. Name of Operator Phillips Petroleum Company 017643					
3. Address of Operator 4001 Penbrook St., Odessa, Texas 79762					
4. Well Location Unit Letter O : 1150 Feet From The South Line and 1450 Feet From The East Line					
Section 4 Township 15-S Range 32E NMPM Lea County					
10. Proposed Depth 10100'		11. Formation Wolfcamp		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) GL 4310.7' (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	8500'
				650 2nd stage	3700'

Mud program and 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 Regulatory 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.

7732 app'd by 8/9/92

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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. 8
Unit Letter O	Section 4	Township 15 SOUTH	Range 32 EAST	NMPM	County LEA
Actual Footage Location of Well: 1150 feet from the SOUTH line and 1450 feet from the EAST line					
Ground Level Elev. 4310.7'	Producing Formation Wolfcamp		Pool Tulk (Wolfcamp)		Dedicated Acreage: 40 Acres

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 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

1150'

1450'

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 Regulatory Supervisor, Affairs

Company Phillips Pet. Co.

Date

8/4/92

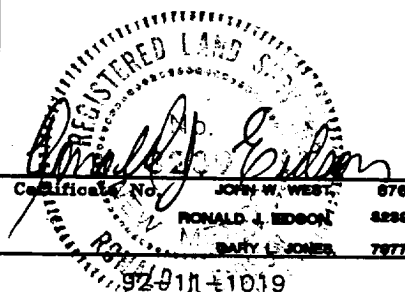
SURVEYOR CERTIFICATION

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



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

## PROPOSED CASING & CEMENTING PROGRAM

Chem State Well No. 8

### 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%  $\text{CaCl}_2$ .

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 ft <sup>3</sup> /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 <sup>3</sup> /sx
Water Requirement:	8.8 gals/sx

Tail: 150 sx Class "C" Neat.

Slurry Weight:	14.8 ppg
Slurry Yield:	1.32 ft <sup>3</sup> /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'.

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

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

2<sup>nd</sup> Stage:

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

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

Tail: 150 sx Class "C" Neat.

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

RECEIVED

AUG 06 1992

OLD HOBBS OFFICE

# PROPOSED MUD PROGRAM

Chem State Well No. 8

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.

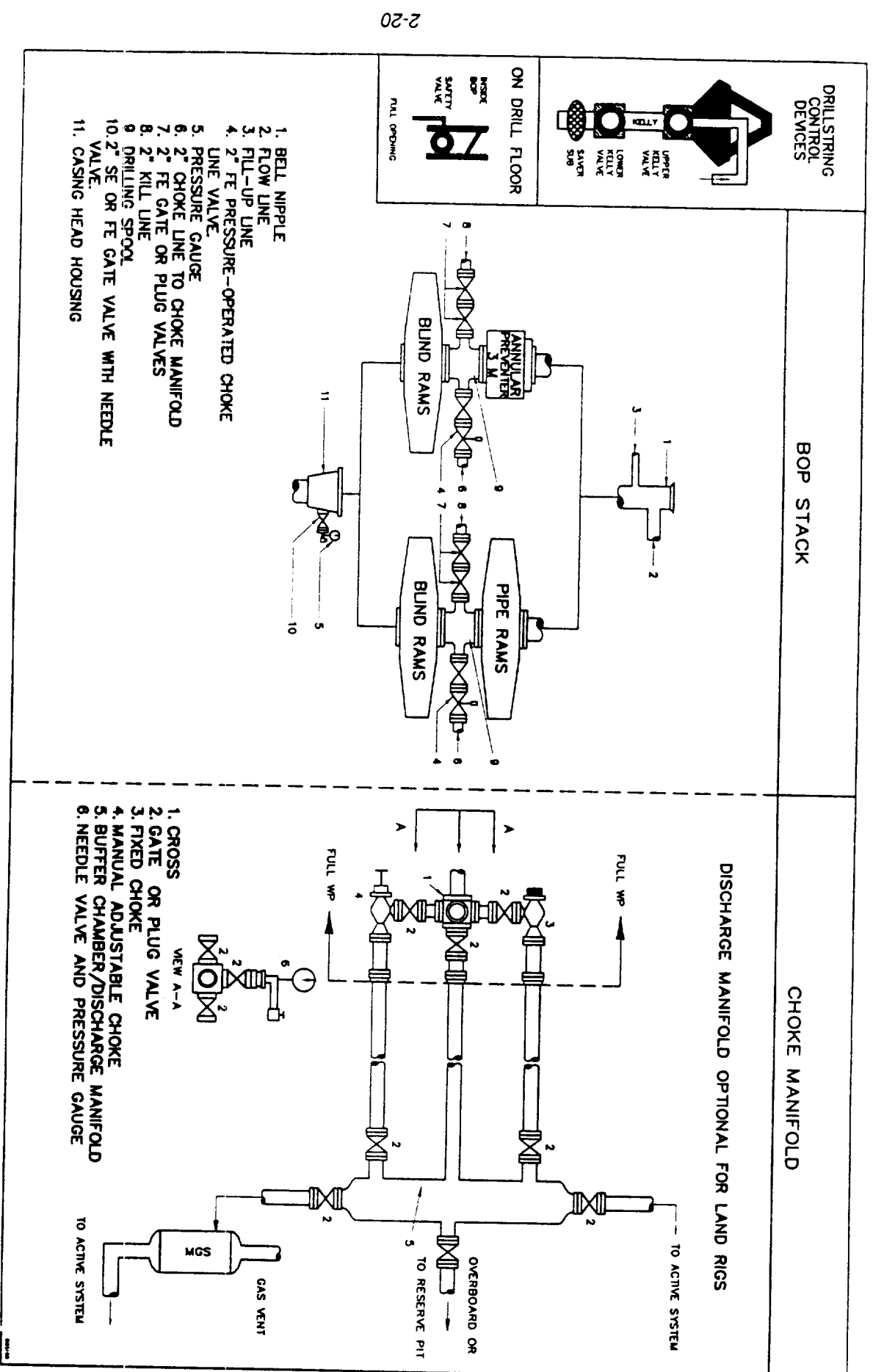


Fig. 2.4. Class 2 BOP and Choke Manifold.