

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

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

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

API NO. (assigned by OCD on New Wells) 3D-025-32333
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. NM-015221

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL ☒ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☐		7. Lease Name or Unit Agreement Name Santa Fe
b. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		
2. Name of Operator Phillips Petroleum Company		8. Well No. 133
3. Address of Operator 4001 Penbrook Street, Odessa, TX 79762		9. Pool name or Wildcat Undesignated (Drinkard)
4. Well Location Unit Letter <u>0</u> : <u>435</u> Feet From The <u>South</u> Line and <u>1930</u> Feet From The <u>East</u> Line		

Section 31 Township 17-S Range 35-E NMPM Lea County

10. Proposed Depth 8100'		11. Formation Drinkard	12. Rotary or C.T. Rotary
13. Elevations (Show whether DF, RT, GR, etc.) 3968.2' GR	14. Kind & Status Plug. Bond Blanket	15. Drilling Contractor NA	16. Approx. Date Work will start Upon Approval

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#	1525'	1200 Sx. "C"	Surface
12-1/4"	8-5/8"	24 & 32#	5200'	1400 Sx C Tailw/150sx C Surf.	
7-7/8"	5-1/2"	15.5#	8100'	350 sx C	4700'
Tail w/				200 Sx. C	7000'

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 Supv. Regulatory Affairs DATE 12-03-93

TYPE OR PRINT NAME L. M. Sanders (915) TELEPHONE NO. 368-1488

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ TITLE _____ DATE DEC 08 1993

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 4 copies
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

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

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P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Artec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

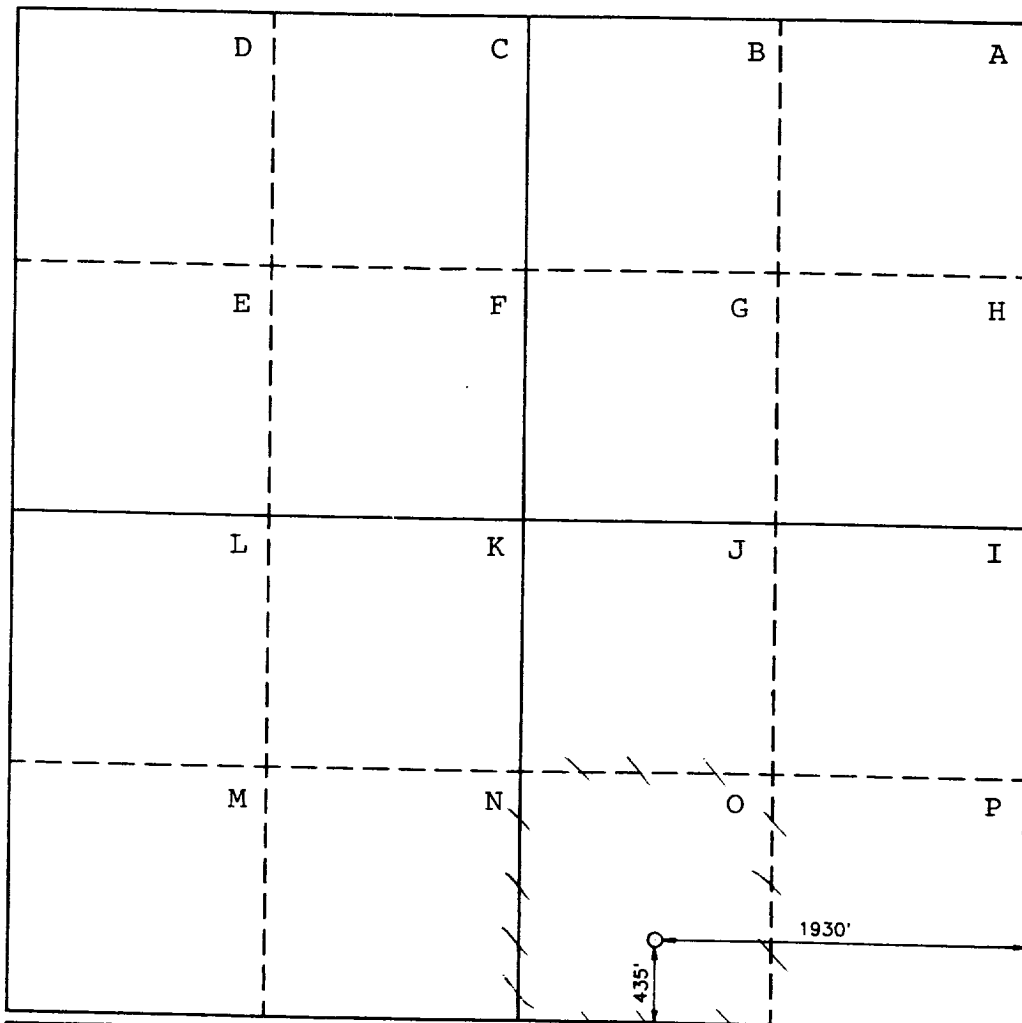
All Distances must be from the outer boundaries of the section

Operator PHILLIPS PETROLEUM CO.			Lease SANTA FE		Well No. 133
Unit Letter O	Section 31	Township 17 SOUTH	Range 35 EAST	County LEA	
Actual Footage Location of Well: 435 feet from the SOUTH line and 1930 feet from the EAST line					
Ground Level Elev. 3968.2'	Producing Formation Drinkard	Pool Undesignated (Drinkard)	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.



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

Supv., Reg. Affairs

Company

Phillips Petroleum Co.

Date

December 3, 1993

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

NOVEMBER 30, 1993

Signature & Seal of
Professional Surveyor

GARY L. JONES
NEW MEXICO
7977
Cert. No. 7977
JOHN W. WATKINS 676
RONALD W. BROWN 3230
GARY L. JONES 7977

93-11-2408

PROPOSED CASING & CEMENTING PROGRAM

Santa Fe Well No. 133

13 3/8" 54.5 lb/ft J-55 Surface Casing Set at 1525' - 17 1/2" Hole:

Circulate to surface with 1200 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 J-55 Intermediate Casing Set at 5200' - 12 1/4" Hole:

Lead: 1400 sx Class "C" 65/35 Poz + 6% Bentonite + 3% Salt.

Slurry Weight:	12.8 ppg
Slurry Yield:	1.85 ft ³ /sx
Water Requirement:	9.9 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 lb/ft J-55 Production Casing Set at 8100' - 7 7/8" Hole:

Lead: 350 sx Class "C" 65/35 Poz + 6% Gel + 3% Salt. Desired TOC = 4700'.

Slurry Weight:	12.8 ppg
Slurry Yield:	1.85 ft ³ /sx
Water Requirement:	9.9 gals/sx

Tail: 200 sx Class "C" 50/50 Poz + additives as required. Desired TOC = 7000'.

Slurry Weight:	14.6 ppg
Slurry Yield:	1.15 ft ³ /sx
Water Required:	5.0 gal/sx

PROPOSED MUD PROGRAM

Santa Fe Well No. 133

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	CL PPM	%SOLIDS	ADDITIVES
Surf - 1525'	8.6-9.0 ppg	32-34 sec/1000 cc	-	-	-	Native Solids
1525' - 5200'	10.0-10.2 ppg	30-32 sec/1000 cc	-	Saturated	-	Native Solids
5200' - 7400'	8.5-8.8 ppg	28-30 sec/1000 cc	-	-	-	
7400' - 8100'	8.5-8.8 ppg	32-36 sec/1000 cc	12 - 15 cc	-	-	Starch/Drispac+

Note: Losses may be encountered at approximately 6200'. Pump LCM sweeps and keep pipe moving.

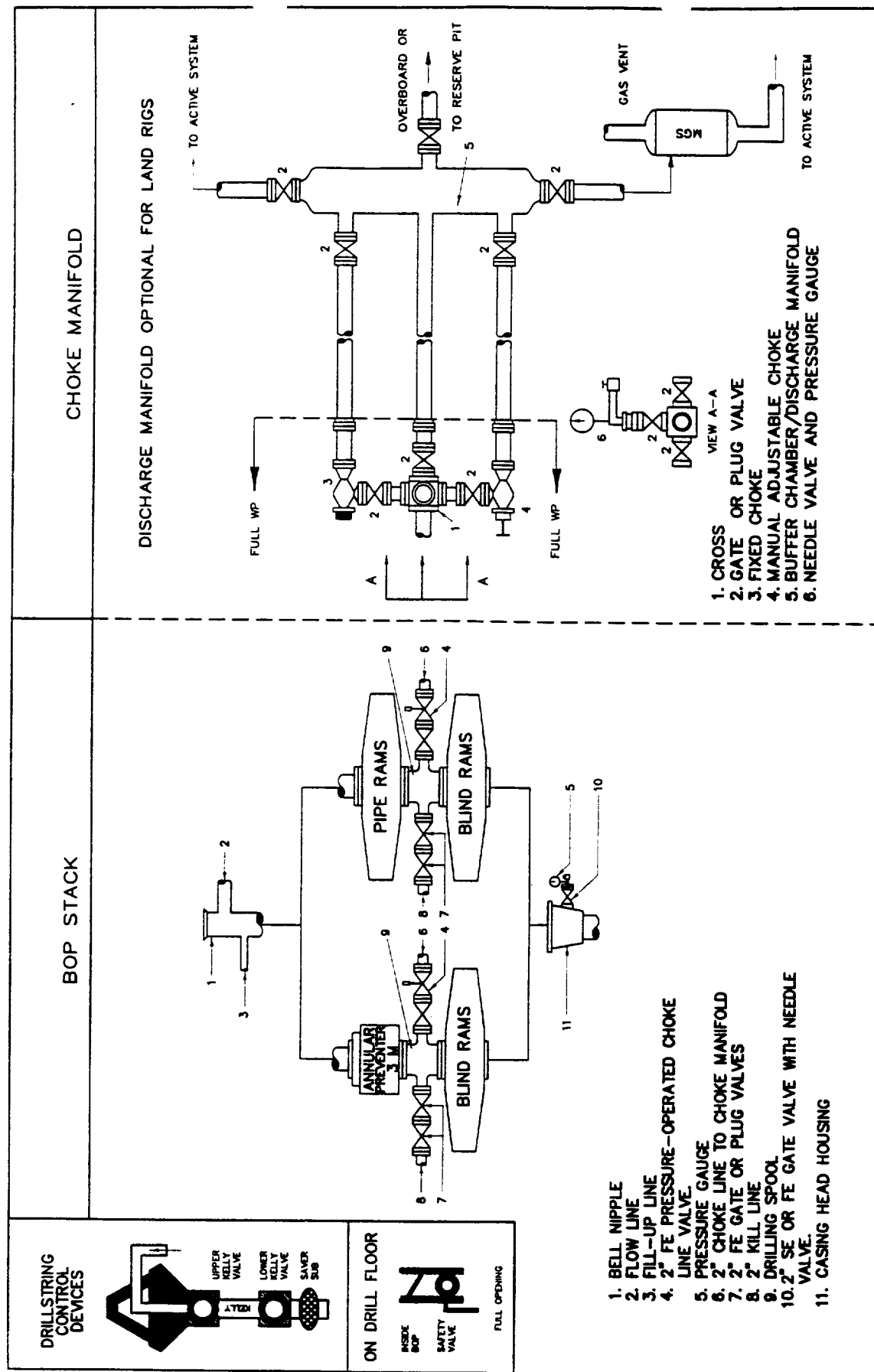


Fig. 2.4. Class 2 BOP and Choke Manifold.