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

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

State of New Mexico
Energy, Minerals and Natural Resources Departme...

# OIL CONSERVATION DIVISION

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

Form C-101
Revised 1-1-89

API NO. ( assigned by OCD on New Wells) 30-025-32438

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. NM-015221

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:
DRILL [X] RE-ENTER [ ] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well:
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. Lease Name or Unit Agreement Name: Santa Fe

2. Name of Operator: Phillips Petroleum Company

8. Well No. 135

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

9. Pool name or Wildcat: Vacuum Drinkard

4. Well Location
Unit Letter L : 1743 Feet From The South Line and 808 Feet From The West Line

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

| 10. Proposed Depth | 11. Formation | 12. Rotary or C.T. |
|---|---|---|
| 8150' | Drinkard | Rotary |

| 13. Elevations (Show whether DF, RT, GR, etc.) | 14. Kind & Status Plug. Bond | 15. Drilling Contractor | 16. Approx. Date Work will start |
|---|---|---|---|
| 3984' GL (Unprepared) | Blanket | NA | Upon approval |

17. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|---|---|---|---|---|---|
| 12-1/4" | 8-5/8" | 24# | 1500 | 650 sx C tail W/200 sx C | Surface |
| 7-7/8" | 5-1/2" | 15.5# | 8150' | 250 sx H FB 200 sx H/5200'&7000' | |

2nd Stage:500 sx C FB 150 sx C/Surface

OPER OGRID NO. 017643
PROPERTY NO. 009140
POOL CODE 62110
EFF. DATE 3-1-94
API NO 30-025-32438

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., Reg. Affairs DATE 2/25/94

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

(This space for State Use)

APPROVED BY Orig. Signed by Paul Kautz Geologist TITLE DATE MAR 01 1994

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

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Fee Lease – 3 copies

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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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| Operator | Lease | Well No. |
|---|---|---|
| PHILLIPS PETROLEM CO. | SANTA FE | 135 |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| L | 31 | 17 SOUTH | 35 EAST NMPM | LEA |

Actual Footage Location of Well:
1743 feet from the SOUTH line and 808 feet from the WEST line

| Ground Level Elev. | Producing Formation | Pool | Dedicated Acreage: |
|---|---|---|---|
| 3984' | Drinkard | Vacuum Drinkard | 40 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 37.42

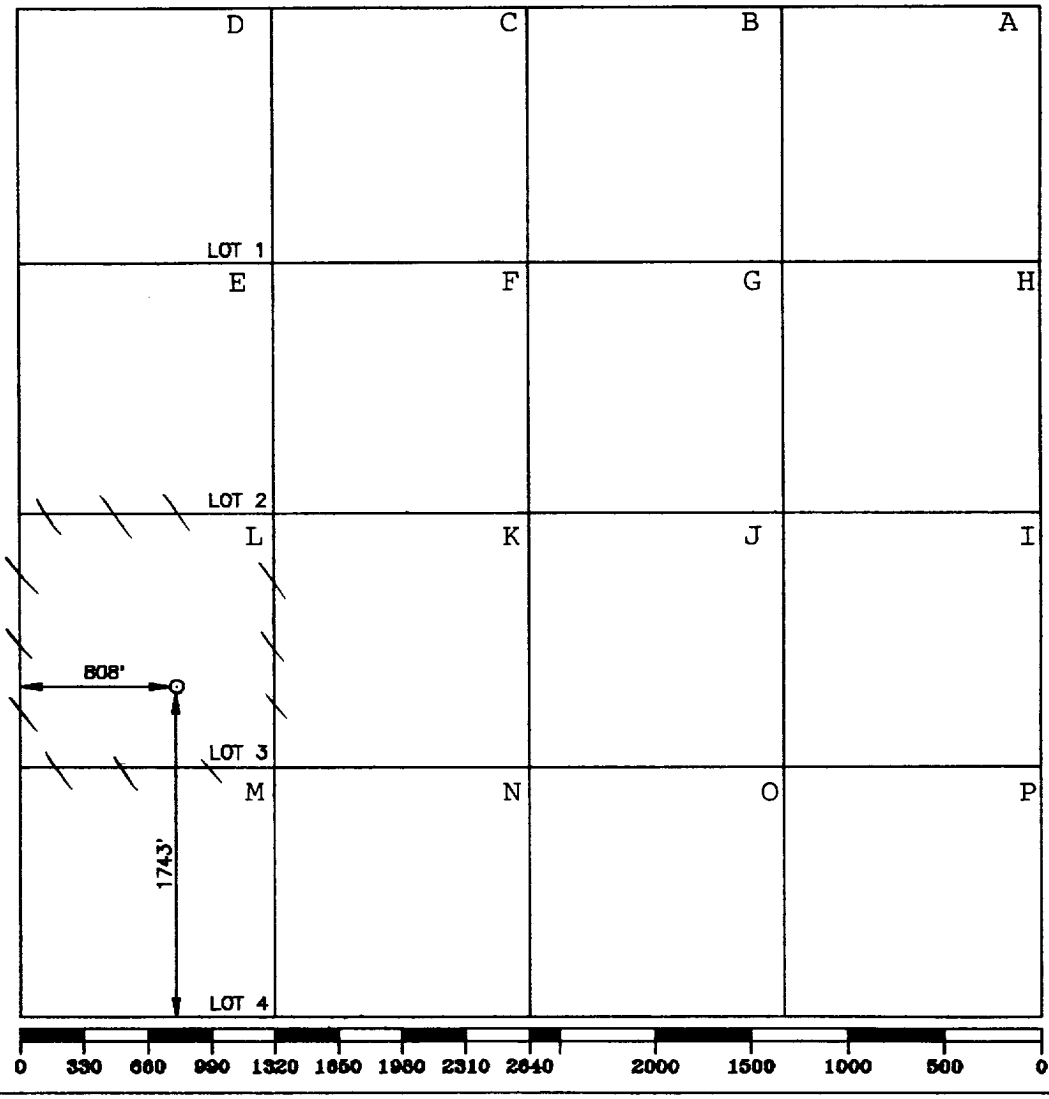
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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

Printed Name
L. M. Sanders

Position
Supv., Reg. Affairs

Company
Phillips Petroleum Co.

Date
2/25/94

### 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 supervison, and that the same is true and correct to the best of my knowledge and belief.*

Date Surveyed
JANUARY 20, 1994

Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL SURVEYOR

Certificate No. JOHN W. WEST 676
RONALD J. EIDSON 3239
GARY L. JONES 7977

94-11-0143

PROPOSED CASING & CEMENTING PROGRAM

Santa Fe Well No. 135

8 5/8" 24 lb/ft J-55 Surface Casing Set at 1500' - 12 1/4" Hole:

Lead: 650 sx Class "C" + 4% Gel + 2% $CaCl_2$. TOC = Surface.

| | |
|---|---|
| Slurry Weight: | 13.5 ppg |
| Slurry Yield: | 1.72 $ft^3$/sx |
| Water Requirement: | 9.06 gals/sx |

Tail: 200 sx Class "C" + 2% $CaCl_2$. TOC = 1200'.

| | |
|---|---|
| Slurry Weight: | 14.8 ppg |
| Slurry Yield: | 1.32 $ft^3$/sx |
| Water Requirement: | 6.3 gals/sx |

5 1/2" 15.5 lb/ft J-55 Production Casing Set at 8150' - 7 7/8" Hole:

Set Stage Tool at 5200'.

1st Stage:

Lead: 250 sx Halliburton Light Premium (Class "H") + 3% Salt. TOC = 5200'.

| | |
|---|---|
| Slurry Weight: | 12.8 ppg |
| Slurry Yield: | 1.84 $ft^3$/sx |
| Water Requirement: | 9.9 gals/sx |

Tail: 200 sx Class "H" + 0.4% Halad 344 + 0.3% Halad 322. TOC = 7000'.

| | |
|---|---|
| Slurry Weight: | 15.6 ppg |
| Slurry Yield: | 1.18 $ft^3$/sx |
| Water Requirement: | 5.2 gals/sx |

2nd Stage: WOC 6 hrs between stages.

Lead: 500 sx Halliburton Light Premium Plus (Class "C") + 3% Salt. TOC = Surface.

| | |
|---|---|
| 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 Required: | 6.2 gal/sx |

PROPOSED MUD PROGRAM

Santa Fe Well No. 135

| DEPTH | MUD WEIGHT | VISCOSITY | FLUID LOSS | CL PPM | %SOLIDS | ADDITIVES |
|---|---|---|---|---|---|---|
| Surf - 1500' | 8.6-9.0 ppg | 32-34 sec/1000 cc | - | - | - | Native Solids |
| 1500' - 7400' | 10.0-10.2 ppg | 28-32 sec/1000 cc | - | Saturated | - | Native Solids |
| 7400' - 8150' | 10.0-10.2 ppg | 32-36 sec/1000 cc | 12 - 15 cc | Saturated | - | Starch |

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

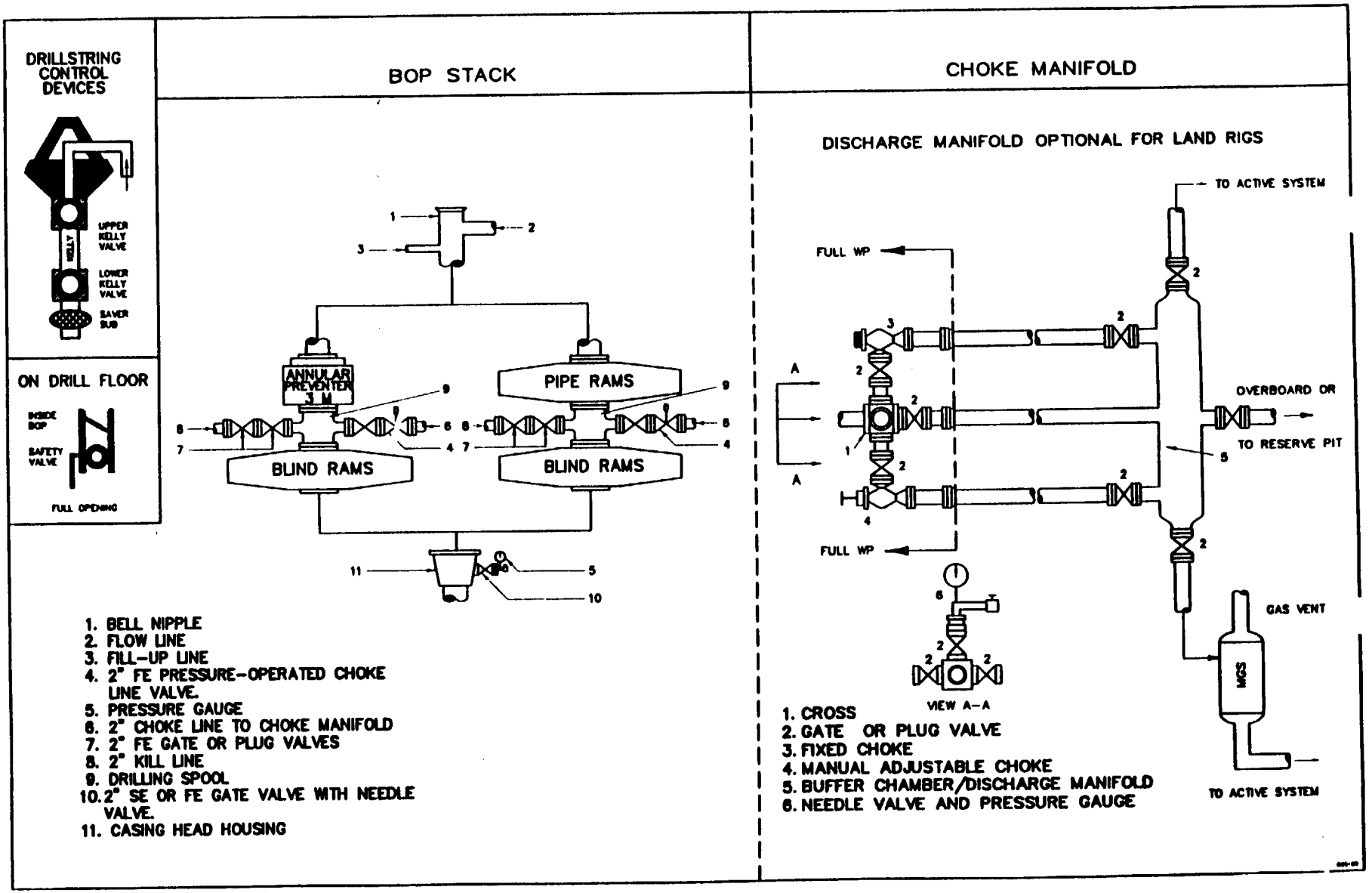



*Fig. 2.4. Class 2 BOP and Choke Manifold.*