

Submit to Appropr. late  
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

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

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

API NO. (assigned by OCD on New Wells)

302 025-32067

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

A-1320

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 ☐

7. Lease Name or Unit Agreement Name

East Vacuum Gb/SA Unit

2. Name of Operator

Phillips Petroleum Company

8. Well No.

020

Tract 3202

3. Address of Operator

4001 Penbrook Street, Odessa, Texas 79762

9. Pool name or Wildcat

Vacuum Gb/SA

4. Well Location

Unit Letter P : 1158 Feet From The South Line and 850 Feet From The East Line

Section 32 Township 17-S Range 35-E NMPM Lea County

10. Proposed Depth  
4900'

11. Formation  
San Andres

12. Rotary or C.T.  
Rotary

13. Elevations (Show whether DF, RT, GR, etc.)  
3955.9' GL

14. Kind & Status Plug. Bond  
Blanket

15. Drilling Contractor  
NA

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 |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 12-1/4"      | 8-5/8"         | 24#             | 1575'         | 1000 sx 'C'     | Surface  |
| 7-7/8"       | 5-1/2"         | 15.5#           | 4900'         | 400 sx 'C'      | Surface  |
|              |                |                 | Tail w/       | 300 sx. 'C'     | 4000'    |

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

TITLE Supv. Regulatory Affairs DATE 06-23-93

TYPE OR PRINT NAME - M. Sanders

(915)  
TELEPHONE NO. 368-1488

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR

APPROVED BY

TITLE

DATE

JUL 20 1993

CONDITIONS OF APPROVAL, IF ANY:

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OIL CONSERVATION DIVISION

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

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

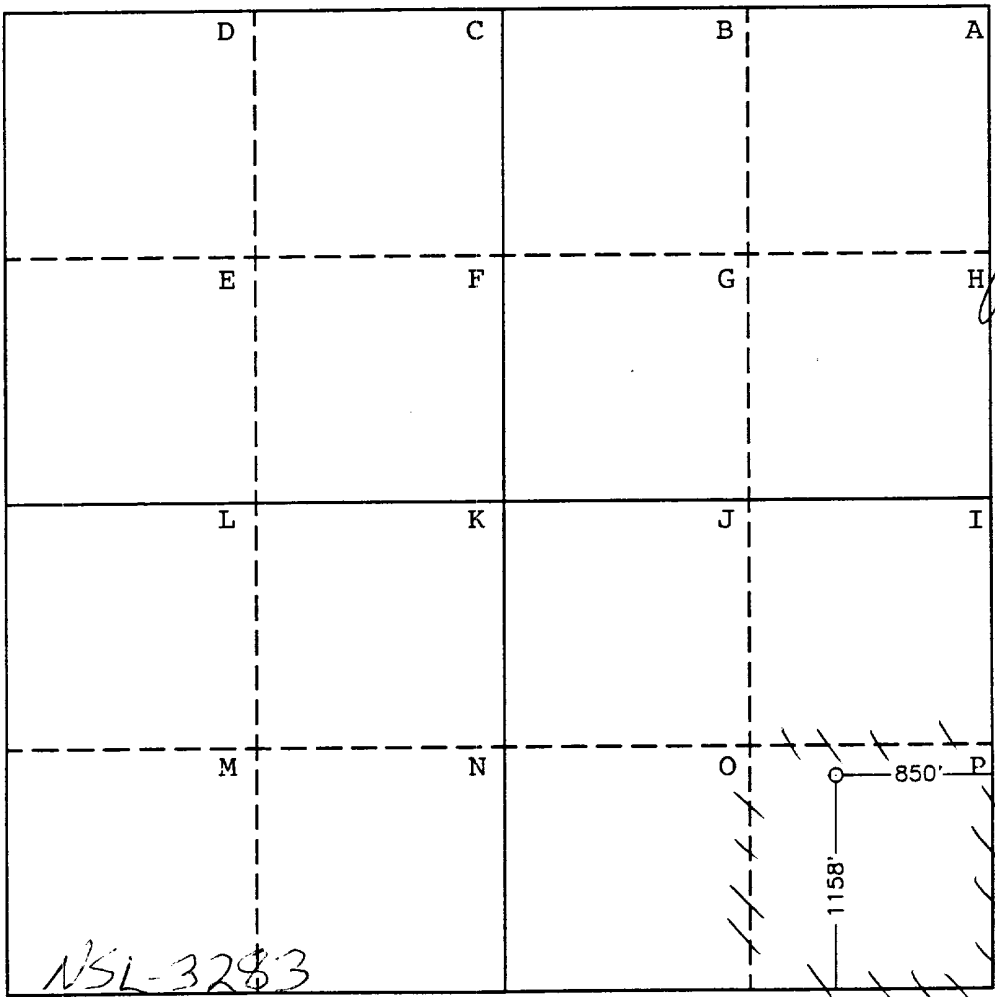
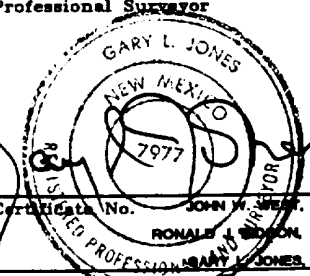
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------|
| Operator<br>PHILLIPS PETROLEUM COMPANY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |                      | Lease<br>EAST VACUUM Gb/SA 3202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | Well No.<br>020                |
| Unit Letter<br>P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Section<br>32                     | Township<br>17 SOUTH | Range<br>35 EAST<br>NMPM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | County<br>LEA |                                |
| Actual Footage Location of Well:<br>1158 feet from the SOUTH line and 850 feet from the EAST line                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                |
| Ground Level Elev.<br>3955.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Producing Formation<br>San Andres |                      | Pool<br>Vacuum Gb/SA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               | Dedicated Acreage:<br>40 Acres |
| <p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>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).</p> <p>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.?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation _____</p> <p>If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.) _____</p> <p>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.</p> |                                   |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |                      | <b>OPERATOR CERTIFICATION</b><br><br>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.<br><br>Signature _____<br>Printed Name<br>J. M. Sanders<br>Position<br>Supv., Reg. Affairs<br>Company<br>Phillips Petroleum Co.<br>Date<br>June 23, 1993                                                                                                                                                                                                                                   |               |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                      | <b>SURVEYOR CERTIFICATION</b><br><br>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.<br><br>Date Surveyed<br>MAY 3, 1993<br><br>Signature & Seal of Professional Surveyor<br><br>Certificate No. JOHN W. WEST. 878<br>RONALD J. SUTTON. 8236<br>GARY L. JONES. 7977<br>93-41-0780 |               |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                |

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PROPOSED CASING & CEMENTING PROGRAM

EVGSAU 3202-020

8 5/8" 24 lb/ft J-55 Surface Casing Set at 1575' - 12 1/4" Hole:

Circulate to surface with 1000 sx 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              |

5 1/2" 15.5 lb/ft J-55 Production Casing Set at 4900' - 7 7/8" Hole:

Lead: 400 sx Class "C" + 20% Diacel D + 3% Salt. Desired TOC = Surface.

|                    |                          |
|--------------------|--------------------------|
| Slurry Weight:     | 12.0 ppg                 |
| Slurry Yield:      | 2.79 ft <sup>3</sup> /sx |
| Water Requirement: | 16.1 gals/sx             |

Tail: 300 sx Class "C" Neat. Desired TOC = 4000'.

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

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# PROPOSED MUD PROGRAM

EVGSAU 3202-020

| DEPTH         | MUD WEIGHT    | VISCOSITY         | FLUID LOSS    | CL PPM    | % SOLIDS | ADDITIVES       |
|---------------|---------------|-------------------|---------------|-----------|----------|-----------------|
| Surf - 1575'  | 8.3-9.0 ppg   | 28-36 sec/1000 cc | -             | -         | -        | Native Solids   |
| 1575' - 4000' | 10.0 ppg      | 28-32 sec/1000 cc | -             | Saturated | -        | Native Solids   |
| 4000' - 4900' | 10.0-10.2 ppg | 32-38 sec/1000 cc | 20 cc or less | Saturated | -        | Starch/Drispac+ |

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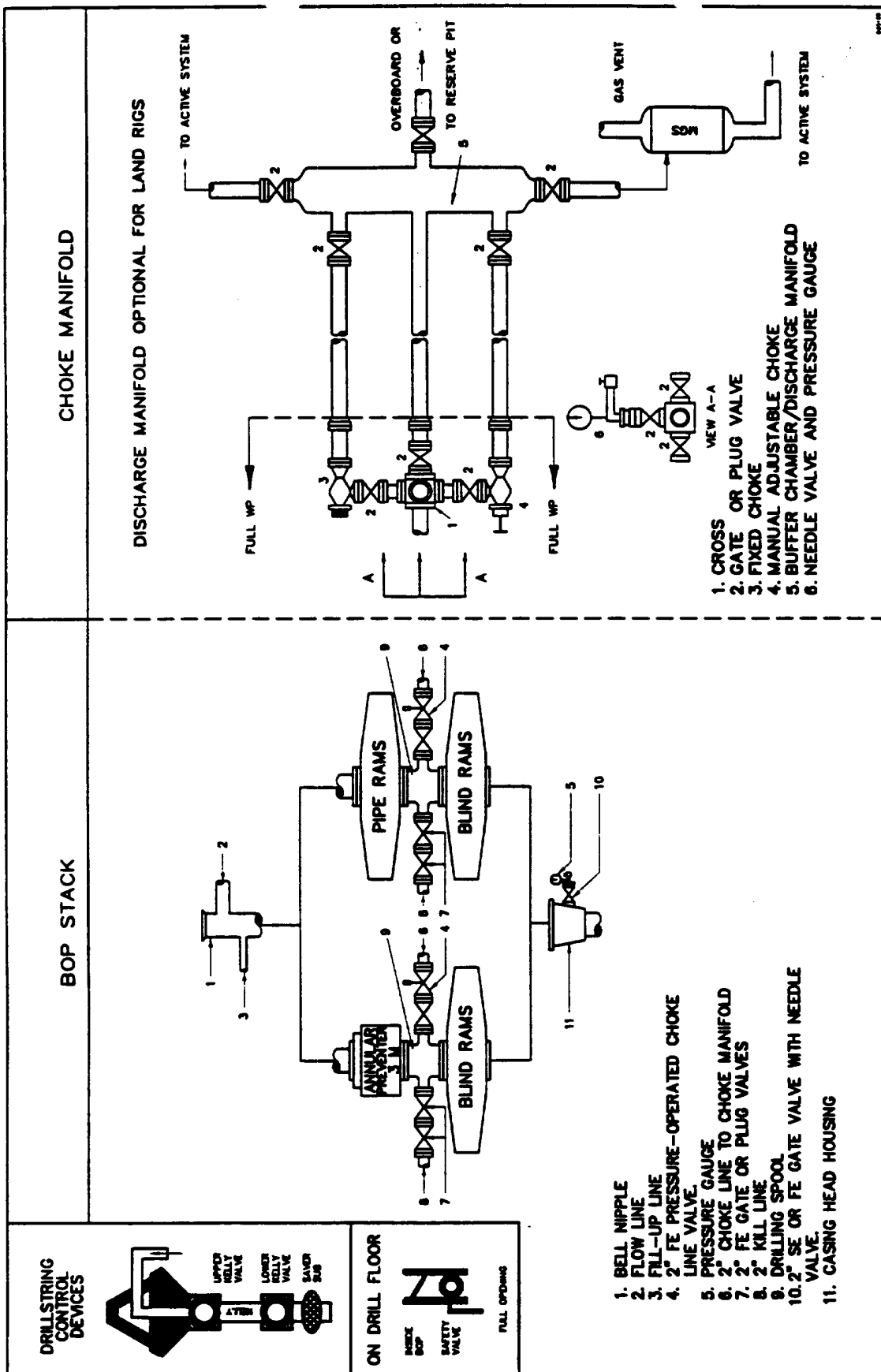


Fig. 2.4. Class 2 BOP and Choke Manifold.

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R - 34 - E

E  
-  
35  
-  
R

**NOTE 4-Digit Tract No  
(Tract No preceded by Sec No)**

**EAST VACUUM GRAYBURG - SAN ANDRES UNIT**

|                       |                                  |             |
|-----------------------|----------------------------------|-------------|
| G F 22731             | 7,025 3 Ac                       | Eff 12-1-78 |
| Grayburg - San Andres | 4050 - 5050'                     |             |
| PPCo                  | 30.999355% Ph I - 29.29786% Ph 2 |             |
| Composite             | 007714010002960824%              |             |

11-10-93  
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