

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

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)

30-025-32054

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.
B-1502

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. Tract 0524
007

3. Address of Operator

4001 Penbrook Street, Odessa, TX 79762

9. Pool name or Wildcat

Vacuum Gb/SA

4. Well Location

Unit Letter F : 2100 Feet From The North Line and 1450 Feet From The West Line

Section 5 Township 18-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.)
3961.8' 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
17-1/2"	13-3/8"	54.5#	1575'	1000 sx "C"	Surface
*12-1/4"	9-5/8"	36#	3000'	500sx'C' Tail	w/150sx'C' Surf.
7-7/8"	5-1/2"	15.5#	4900'	400sx 'C' Tail	w/300sx'C' 4000'

TOC

*Intermediate casing will only be used if water flow encountered.

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

Jerry Sexton

TITLE Supv. Regulatory Affairs DATE 06-23-93

TYPE OR PRINT NAME J. M. Sanders

TELEPHONE NO. (915) 368-1488

(This space for State Use)

DISTRICT 1 SUPERVISOR

JUL 20 1993

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL - NONE

ORIGINAL SIGNED BY JERRY SEXTON

DISTRICT 1 SUPERVISOR

Submit to Appropriate
District Office
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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-88

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

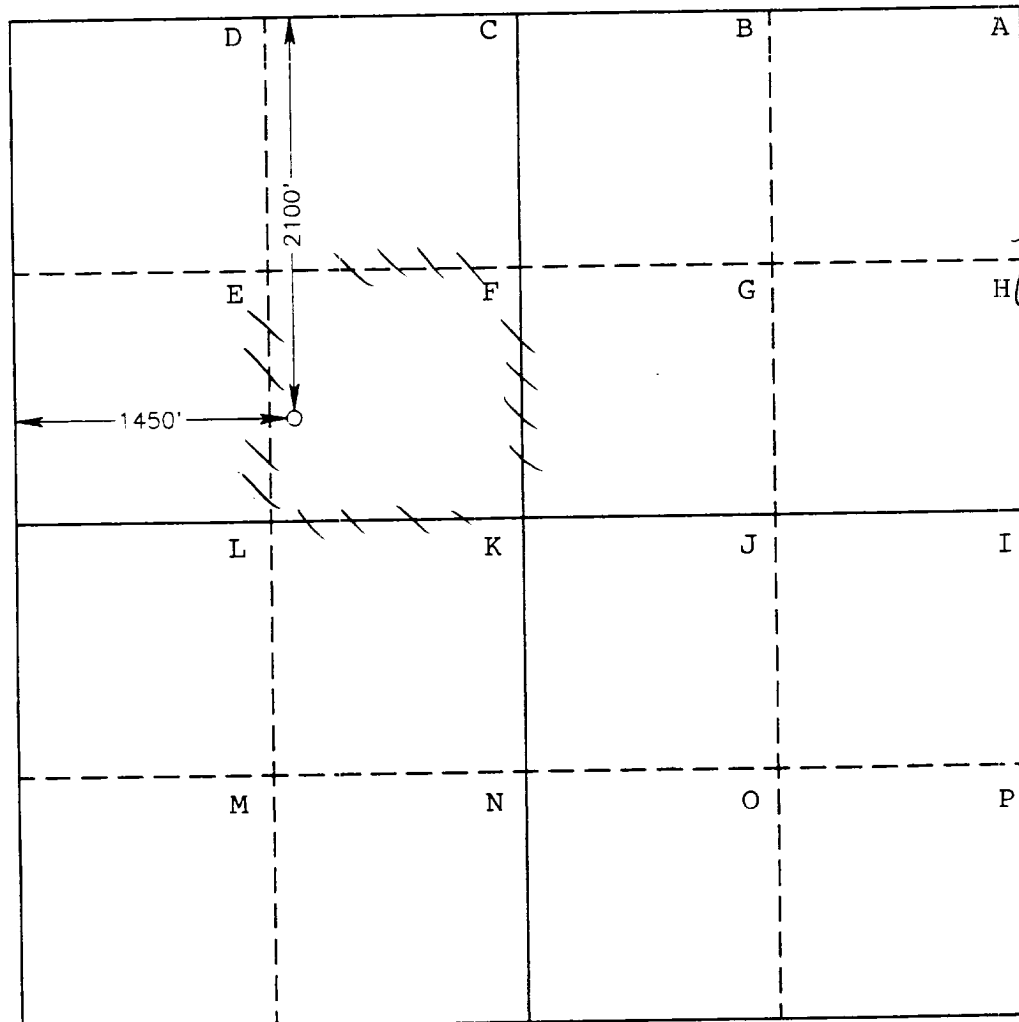
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator PHILLIPS PETROLEUM COMPANY			Lease EAST VACUUM Gb/SA UNIT TRACT 0524		Well No. 007
Unit Letter F	Section 5	Township 18 SOUTH	Range 35 EAST	County NMPM	LEA
Actual Footage Location of Well: 2100 feet from the NORTH line and 1450 feet from the WEST line					
Ground Level Elev. 3961.8'	Producing Formation San Andres		Pool Vacuum Gb/SA	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 information contained herein is true and complete to the best of my knowledge and belief.

Signature
L. M. Sanders
Position
Supv., Reg. Affairs
Company
June 23, 1993
Date

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
APRIL 2, 1993
Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
Certification No. JOHN W. WEST 676
RONALD W. ELLSON 3239
GARY L. JONES 7977
93-11-0512

PROPOSED CASING & CEMENTING PROGRAM

EVGSAU 0524-007

13 3/8" 54.5 lb/ft J-55 Surface Casing Set at 1575' - 17 1/2" Hole:

Circulate to surface with 1000 sx of Class "C" + 2% CaCl_2 .

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

If water flow encountered - 9 5/8" 36 lb/ft J-55 Intermediate Casing at 3000' - 12 1/4" Hole. If no water flow encountered, switch to 7 7/8" hole and drill to TD:

Lead: 500 sx Class "C" + 20% Diacel D + 3% Salt. Desired TOC = Surface.

Slurry Weight:	12.0 ppg
Slurry Yield:	2.79 ft ³ /sx
Water Requirement:	16.1 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

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 ³ /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 ³ /sx
Water Requirement:	6.3 gals/sx

PROPOSED MUD PROGRAM

EVGSAU 0524-007

DEPTH	MUD WEIGHT	VISCOSITY	FLUID LOSS	CL PPM	% SOLIDS	ADDITIVES
Surf - 1575'	8.3-9.0 ppg	28-36 sec/1000 cc	-	-	-	Native Solids
If water flow encountered: 1575' - 3000'	10.0 ppg	28-32 sec/1000 cc	-	Saturated	-	Native Solids
3000' - 4000'	8.5-9.0 ppg	28-32 sec/1000 cc	-	Cut Brine	-	
4000' - 4900'	8.5-9.0 ppg	32-38 sec/1000 cc	20 cc or less	Cut Brine	-	Starch/Drispac+
If water flow not encountered: 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+

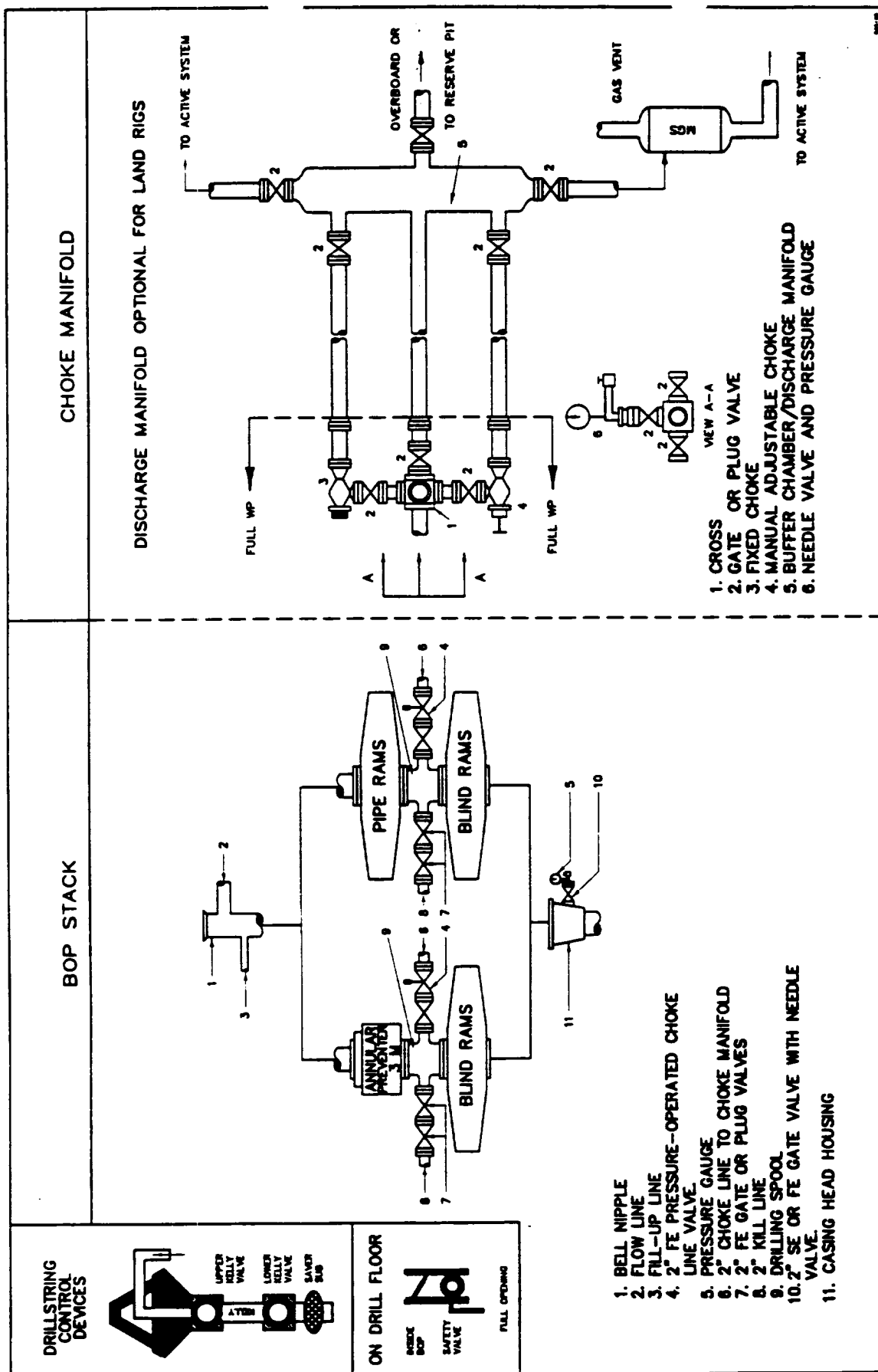


Fig. 2.4. Class 2 BOP and Choke Manifold.