

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

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)

30-025-31746

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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 ☐

2. Name of Operator

Conoco Inc.

7. Lease Name or Unit Agreement Name

Comanche State (8)

3. Address of Operator

10 Desta Drive, Ste. 100W, Midland, Tx 79705

8. Well No.

1

9. Pool name or Wildcat

Hat Mesa Morrow

4. Well Location

Unit Letter 0 : 860 Feet From The South Line and 1980 Feet From The East Line

Section 8 Township 21S Range 33E NMPM Lea County

10. Proposed Depth

14550

11. Formation

Morrow

12. Rotary or C.T.

Rotary

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

GL 3864.2

14. Kind & Status Plug. Bond

15. Drilling Contractor

16. Approx. Date Work will start

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	61	500	525 sx	circ
11	8 5/8	32	5550	1210 sx	circ
7 7/8	5 1/2	17	14550	1300 sx	5000

This well is to be drilled as a Delaware oil producer. The following are attached:

1. Well Location and Acreage Dedication Plat
2. Proposed Well Plan Outline
3. Cementing Program Outline
4. BOP Specifications

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 W. Hoover*

TITLE

Sr. Conservation Coordinator

DATE

10/2/92

TYPE OR PRINT NAME

Jerry W. Hoover

(915) 686-6548

TELEPHONE NO.

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

DISTRICT SUPERVISOR

OCT 29 '92

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

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 1900, Hobbs, NM 88240

DISTRICT II

P.O. Drawer 55, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Artesia, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator CONOCO INC.			Lease COMANCHE STATE (8)		Well No. 1
Unit Letter 0	Section 8	Township 21 SOUTH	Range 33 EAST	County LEA	
Actual Footage Location of Well: 860 feet from the SOUTH line and 1980 feet from the EAST line					
Ground Level Elev. 3864.2'	Producing Formation Morrow		Pool Hat Mesa Morrow		Dedicated Acreage: 320 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, forced-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

Jerry W. Hoover

Position

Sr. Conservation Coordinator

Company

Conoco Inc.

Date

October 2, 1992

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

SEPTEMBER 26, 1992

Signature & Seal of  
Professional Surveyor

Certificate No.

JOHN W. WEST. 678

RONALD J. EIDSON. 3239

GARY L. JONES. 7977

92-11-1427

# PROPOSED WELL PLAN OUTLINE

WELL NAME **COMANCHE STATE 8 NO. 1**

LOCATION **SECTION 8, T-21S, R-33E**

TVD IN 1000'	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE DEPTH	FRAC GRAD	FORMATION PRESSURE GRADIENT	MUD WEIGHT & TYPE	DAYS
0					17-1/2"	13-3/8", 61# @ 500'			8.4 Native Mud	
1			Red Bed Problems			W/ 525 SX				
2		Top Rustler	Severe Salt Water Flow Possible H2S possible w/ waterflow		11"				10# Brine	
3										
4		Bottom of Salt Top Yates								
5			Lost Circulation into Captain Reef Possible if Reef development is good			8-5/8", 32# @ 5550'				12 & 13
6		Top Delaware	Cl required (120,000 ppm) due to swelling clays			W/ 1210 SX			Cut Brine	
7		Top Brushy Canyon			7-7/8"					
8				Logging: GR/ CNL-LDT GR/ DLL-MSFL						19
9		Top Bonespring								20 & 21
10										
11										
12		Top Wolfcamp								
13		Top Strawn Top Atoka Top Morrow		Logging: GR/ CNL-LDT GR/ DLL-MSFL GR/ BHC SONIC SIDEWALL CORES					Polymer for: MW 10ppg Vis 34 FL <10 FL <5	
14		Proposed TD 14550				5-1/2", 17#, LT&C W/ 1300 SX				50
15										
16										

DATE \_\_\_\_\_

WELL NAME: Comanche State 8 No. 1

LOCATION : 860' FSL & 1980' FEL, Sec. 8, T-21S, R-33E

### Casing Program

Surface 13 3/8 inch in 17 1/2 hole at 500 ft.  
Inter 8 5/8 inch in 11 hole at 5550 ft.  
Prod 5 1/2 inch in 7 7/8 hole at 14550 ft.

### Cementing Program

#### Surface

Lead 525 sxs Class C Mixed at 14.8 ppg  
Additives 2% A-7 & 1/2 pps Cello Flake  
Tail        sxs Class        Mixed at        ppg  
Additives       

#### Intermediate (first stage)

Lead 180 sxs Class C lite Mixed at 12.6 ppg  
Additives 0.2% Sodium Metasilicate + 5 pps Gilsonite  
Tail 200 sxs Class C Mixed at 14.5 ppg  
Additives 0.2% Sodium Metasilicate  
Percent free water 0 Water loss 500 cc

#### (second stage)

Lead 630 sxs Class C lite Mixed at 12.75 ppg  
Additives 0.2% Sodium Metasilicate + 5 pps Gilsonite +  
Tail 200 sxs Class C Mixed at 14.5 ppg 10 pps Salt  
Additives 5 pps Gilsonite + 10 pps Salt  
Percent free water 0 Water loss 500 cc

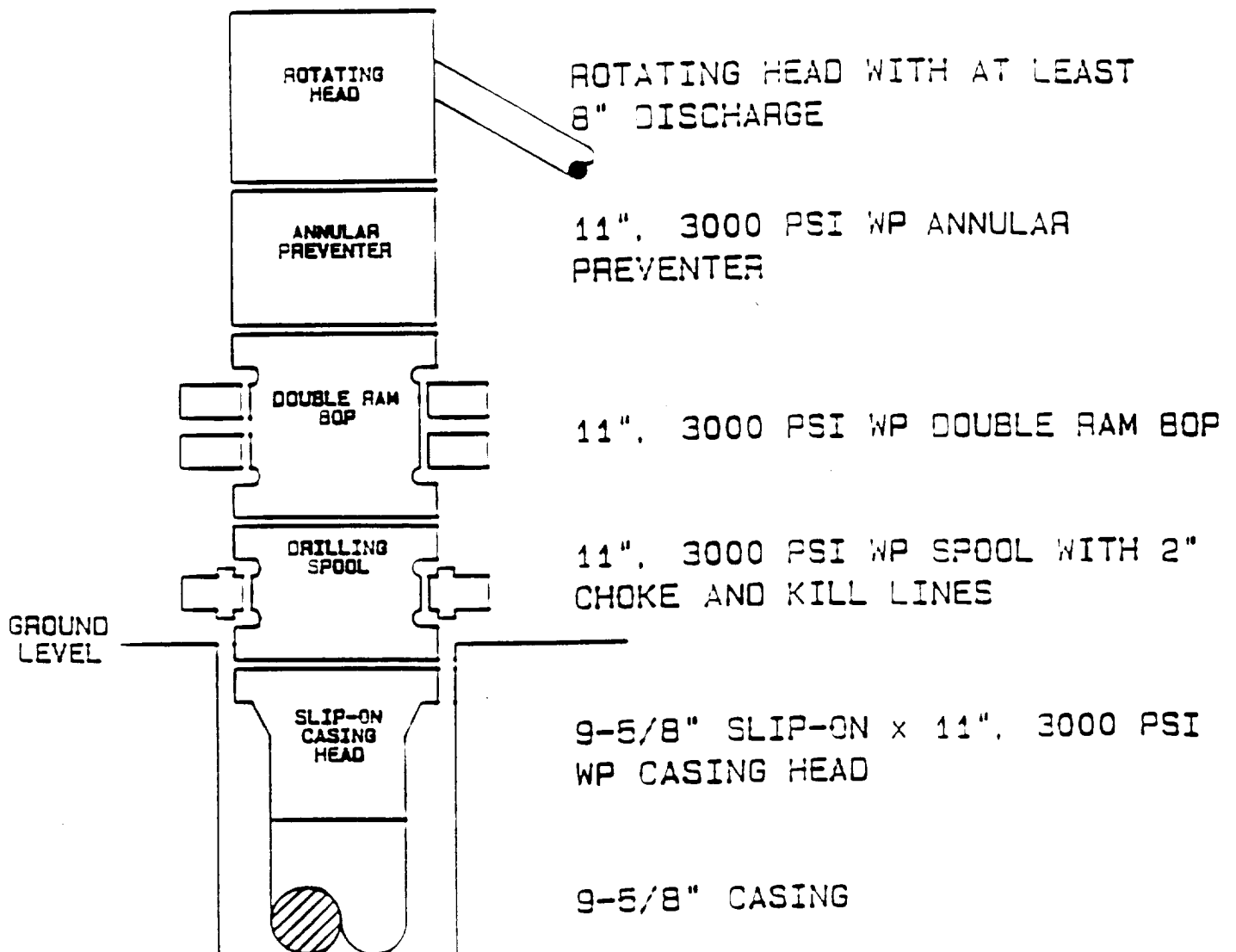
#### Production (first stage)

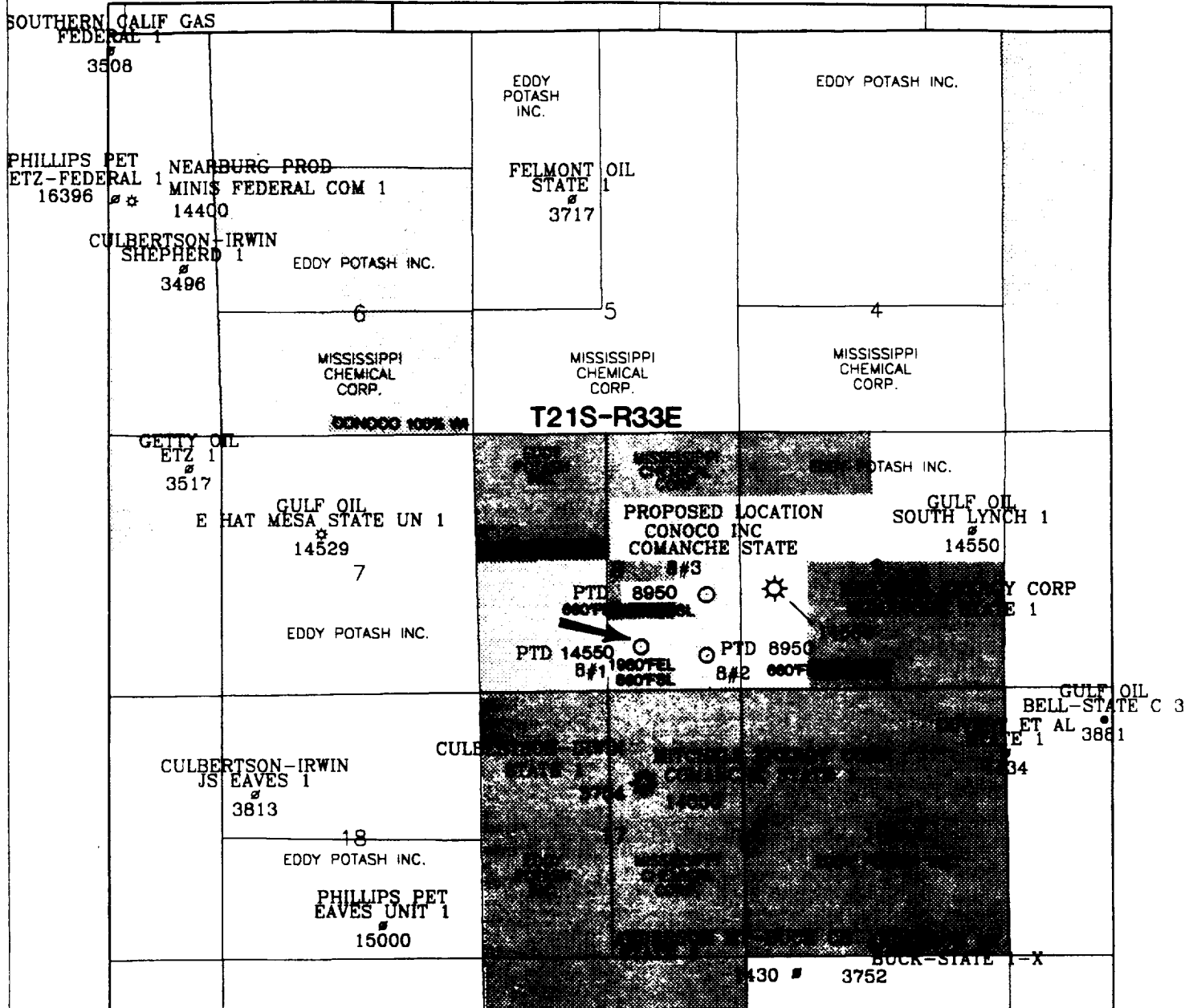
Lead 370 sxs Class C lite Mixed at 12.6 ppg  
Additives 0.2% Sodium Metasilicate + 5 pps Gilsonite  
Tail 300 sxs Class H Mixed at 15.6 ppg  
Additives 0.8% FL-62 + 0.3% CO-32 + 0.2% Sodium Metasilicate  
Percent free water 0 Water loss 250 cc

#### (second stage)

Lead 535 sxs Class C lite Mixed at 12.6 ppg  
Additives 0.2% Sodium Metasilicate  
Tail 100 sxs Class H Mixed at 15.6 ppg  
Additives 0.2% Sodium Metasilicate  
Percent free water 0 Water loss 500 cc

## BOP SPECIFICATIONS





FEET 0 5000 FEET



CONOCO		
MIDLAND DIVISION		
PERMIT PLAT		
COMANCHE ST. 8#1, #2, & #3		
SEC 8 T21S-R33E		
LEA COUNTY, NEW MEXICO		
R. BAILEY		28-SEP-92