# Submit to Appropriate

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 Revised 1-1-89

District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I P.O. Box 1980, Hobbs, NA DISTRICT II P.O. Drawer DD, Artesia, I DISTRICT III 1000 Rio Brazos Rd., Azze	1 88240 NM 88210	CONSERVATI P.O. Box 2 Santa Fe, New Mexic	2088	5. Ind	O. (assigned by OCI  30 0  licate Type of Lease  ST  te Oil & Gas Lease	25-31 <sup>-</sup> ate 🗵	s) 747 FEE [
APPLICAT	ION FOR PERMIT	TO DRILL, DEEPEN	, OR PLUG BAC	K /////			
la. Type of Work:				7. Le	ase Name or Unit Ag	reement Name	
DRILL b. Type of Well: OIL GAS WELL XX WELL	OTHER	DEEPEN SINGL		Co	omanche Si	tate (8)	
2. Name of Operator Conoco Inc.				8. We			
3. Address of Operator 10 Desta Driv	ve, Ste. 100W, 1	Midland, Tx 797	05		designated	Delaware	:
4. Well Location Unit Letter	. 660 Feet I	From The South	Line and	660	Feet From The	East	Line
Section 8	Town	ship 21S	Range 33E	NMPM	L	ea	County
		10. Proposed De 8950	//////////////////////////////////////	11. Formation Delawa	////////////// re	12. Rotary or Rotary	
13. Elevations (Show whether GL 385)	_	14. Kind & Status Plug. Box	nd 15. Drilling C	Contractor	16. Approx. I	Dete Work will	start
17.		ROPOSED CASING	AND CEMENT	PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	T SETTING DI	EPTH SACK	S OF CEMENT	, EST.	TOP
17 1/2	13 3/8	61	500	55	USX	circ	

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

5550

8950

1185 sx

625 sx

circ

5000

32

Well Location and Acreage Dedication Plat Proposed Well Plan Outline Cementing Program Outline BOP Specifications

8 5/8

51/2

11

7 7/8

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEED ZONE, GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.	PEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE
I hereby certify that the information above is and complete to the best of my knowledge as	Sr. Conservation Coordinator 10/2/92
TYPEOR PRINT NAME  Jerry W. Hoover	(915) 686–6548 <sub>TELEPHONE NO.</sub>
(This space for State Use)  ORIGINAL SIGNED BY JERRY SEXTON  APPROVED BY DISTRICT 1 SUPERVISOR  T	OCT 29'92
CONDITIONS OF APPROVAL, IF ANY:	Permit Expires 6 Months From Approval Date Unless Drilling Underway.

Submit to Appropriate District Office State Louis - 4 cepies Foe Lease - 3 copies

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

### OIL CONSERVATION DIVISION

DISTRICT | P.O. Bez 1880, Hobbs, NM 88240

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

DISTRICT II P.O. Drawer DD, Arteria, NM 00210

WELL LOCATION AND ACREAGE DEDICATION PLAT

DISTRICT III
1000 No Branes Rd., Asteo, NM 87410

All Distances must be from the outer boundaries of the section

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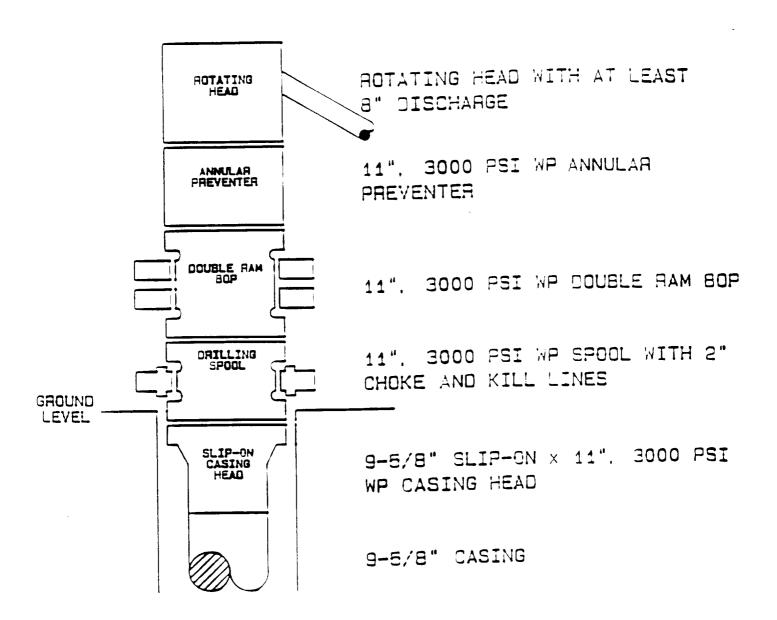
## PROPOSED WELL PLAN OUTLINE

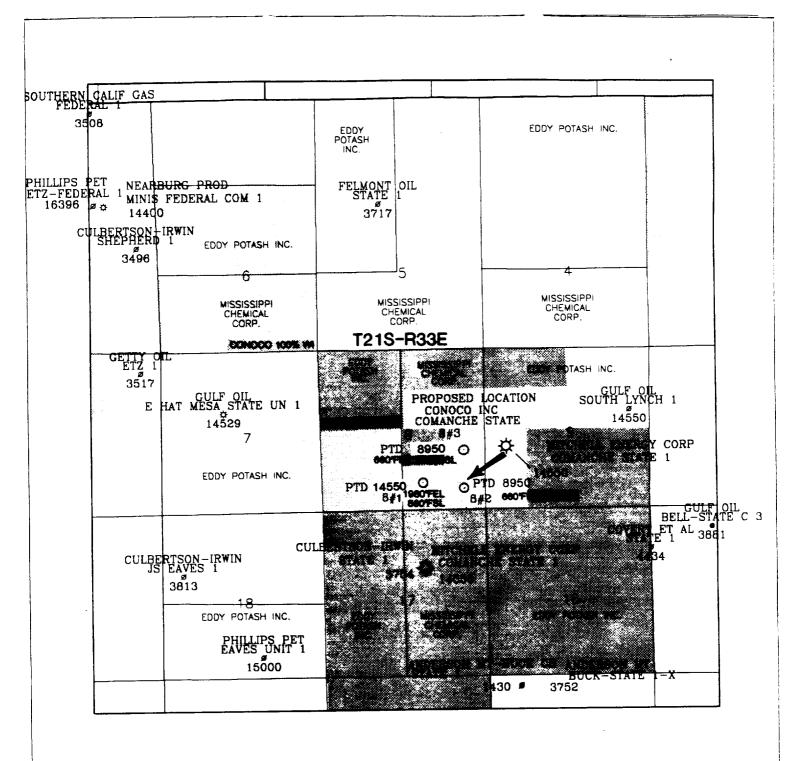
WELL NAME COMANCHE STATE 8 NO. 2

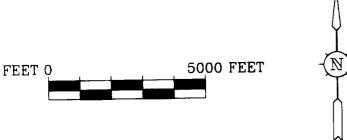
LOCATIO	١ .	SECTION 8,	T-21S, R-33E								
TVD		FORMATION		TYPE OF		CA	SING		FORMATION	MUD	
IN		TOPS &	DRILLING	FORMATION	HOLE		OFDTU	FRAC	PRESSURE	WEIGHT &	DAVO
1000'	MD	TYPE	PROBLEMS	EVALUATION	SIZE	SIZE	DEPTH	GHAD	GRADIENT	TYPE	DAYS
0					17–1/2"	13_3(8' 6	1# @ SOO		}	8.4 Native Mud	
						W/550 SX	1#@:500* [	ļ		0.4 Mative Mad	
			Red Bed Problems								
1	L										
											1
1 .		Top Rustler	Severe Salt Water Flow Possible		11"						
2	-		H2S possible w/ waterflow								
										10# Brine	
3	-										
		Bottom of Salt Top Yates									
4				: ]							
			Lost Circulation into Capitain Reef Possible if Reef development is good			İ					
			Possible if reet descripement is good					ļ			
5						9_5/8" 3	2#@\$\$\$B	İ			12 & 13
1		Top Delaware	Cl required (120,000 ppm) due to			W/ 1185	2#@5550' SX	<del>                                     </del>			12.5
			swelling clays							Cut Brine	
6	<u> </u>					•		ļ			
					7-7/8"			1			1 1
1 -		To Bouch Comme	<u> </u>		/-//8"						
7		Top Brushy Canyon									
-		1		Logging:	1						1
8	-	-		GR/ CNL-LDT							ļ
		1		GR/ DLL-MSFL		1					19
	<u> </u>	Top Bonespring		GR/BHC SONIC SIDEWALL CORES	ļ						1 1
9		Proposed TD		DIPMETER	<u> </u>	5-1/2", 1	7#, LT&C				20 & 21
						W/ 625 S	iX				
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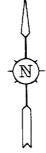
WELL NAME: Comanche State 8 No., 2
LOCATION: 660' FSL & 660' FEL, Sec. 8, T-21S, R-33E
Casing Program
Surface $\frac{13}{8}$ $\frac{3/8}{5}$ inch in $\frac{17}{12}$ hole at $\frac{500}{5550}$ ft. Prod $\frac{5}{1/2}$ inch in $\frac{17}{7}$ $\frac{1/2}{7}$ hole at $\frac{5550}{8950}$ ft.
Cementing Program
Surface
Lead 250 sxs Class C Mixed at 13.3 ppg Additives 6% Gel. 2% A-7 & 1/4 pps Cello Flake Tail 200 sxs Class C Mixed at 14.8 ppg Additives 2% A-7 & 1/4 pps Cello Flake
Intermediate (first stage)
Lead 240 sxs Class C lite Mixed at 12.6 ppg Additives 0.2% Sodium Metasilicate & 5 pps Gilsonite Tail 200 sxs Class C Mixed at 14.5ppg Additives 5 pps Gilsonite Percent free water 0 water loss 500 cc
(second stage)
Lead 985 sxs Class C litrixed at 12.75ppg  Additives 0.2% Sodium Metasilicate + 5 pps Gilsonite + 5 pps Gilsonite + 5 pps Gilsonite + 10% salt  Additives 5 pps Gilsonite + 190 CaCl  Percent free water 0 water loss 500cc
Production (first stage)
Lead 325 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% CD-32 + 0.2% Sodium Metasilicate Percent free water 0 Water loss 250 cc
(second stage)
Lead sxs Class Mixed at ppg Additives Tail sxs Class Mixed at ppg Additives
Percent free water Water losscc

# BOP SPECIFICATIONS









## CONOCO

MIDLAND DIVISION

PERMIT PLAT COMANCHE ST. 8#1, #2, & #3 SEC 8 T21S-R33E LEA COUNTY, NEW MEXICO

> R. BALSAM - 28 -SEP-92