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Form 3160-3		i s	1, O. B.	BUBMIT IN (Other inst	PLICATE	ronm a	PPROVED .	
(Jaly 1992)		ITED STATE		a fan de la compañía reverse	e exte)	Expires: Feb	1004-0136 mary 28, 1995	
		NT OF THE I			• • •	5. LEASE DEBIGNATIO	ON AND BERIAL NO.	
		OF LAND MANA			9-96	6. IF INDIAN, ALLOT		
APPL	ICATION FOR	PERMIT TO	DRIL	OR DEEPEN	l		THE OF TRIBE NAME	
		DEEPEN				7. UNIT AGREEMENT	NAMB	
WELL						8. FARM OR LEASE NAME		
NAME OF OPERATOR				(915) 686-6	(540	Warren Unit	No. 138	
CONOCO, INC.	).	<u> </u>		(71) 000-0		30-25-		
10 Desta Dr	Sta 100W. Midl	and, TX 7970	5			10. PIBLD AND POOL	. OR WILDCAT	
LOCATION OF WELL ( At surface	Ste 100W, Midl Report location clearly	and in accordance w	ith any S	tate requirements.*)		Warren Grayt	ourg-SA	
	1980′ FSL &					11. SEC., T., B., M., C AND SUEVET OB	ABEA	
At proposed prod. z	1980' FSL &	660' FWL	1			Sec. 27, T-1		
	AND DIRECTION FROM		ST OFFIC	21		12. COUNTY OR PAR:		
						Lea	NM	
15. DISTANCE FROM PRO LOCATION TO NEARE	st .		16. NO	). OF ACRES IN LEASE		OF ACRES ASSIGNED HIS WELL		
	rig. unit line, if any)					4(	0	
18. DISTANCE FROM PR TO NEAREST WELL, OR APPLIED FOR, ON 1	DRILLING, COMPLETED.			OPOSED DEPTH		ARY OR CABLE TOOLS		
	whether DF, RT, GR, etc.	······	4	7501		22. APPROX. DATE WORK WILL START*		
3538′ GR		•				2/1/97		
23.	······	PROPOSED CAS	SING AN	D CEMENTING PROG	RAM			
SIZE OF HOLE	ORADE, SIZE OF CASING	WEIGHT PER	FOOT	SETTING DEPTH		QUANTITY OF CE	YENT	
12-1/4"	8-5/8" K-55	24#		420 '	350	circ.	FSS	
7-7/8"	5-1/2" K-55	15.5#		4750	960	circ C	329	
the drilling 1. Well Loca 2. Proposed 3. Cementing 4. Surface U 5. EXHIBIT A 6. EXHIBIT B 7. EXHIBIT C 8. EXHIBIT D 9. BOP and C 10. H2S Drill 11. Surface L An archeologi The undersign concerning op and as covere		n the follow Dedication P ne Road Map t Layout Specification Plan & Diagr ment letter be ordered applicable t ted on the 1 File No. ES-0	ing a lat ( as (2 am for t erms, eased 0085.	ttachments: C-102) - Unor OPER.OGR PROPERTY POOL CODE diadEfm:DATE APINO. his location conditions, land or port	thodox 1 10 NO NO NO SO SO And forw stipulat ion ther	ocation filed 5073 3122 343 343 3797 5-33857 ardec when co ions, and res eof, as descr	With NMGCD	
deepen directionally, give p 24.		entions and measured an	d true verti	Conservation	preventer program	n, if any.		
	deral or State office us							
	y							
PERMIT NO Application approval do CONDITIONS OF APPRO	es not warrant or certify that t WAL, IF ANY:	he applicant holds legal o	r equitable	APIROVAL DATE	bject lease which	would entitle the applicant	to conduct operations them	
APPROVED BY	ig. Scd.) Armando a		LE AC	71.29 ADM, On Reverse Side	MINERAL	B DATE	· · · <del>/ )</del>	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

District 1 PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088

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

OIL CONSERVATION DIVISION

PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

Correct to best of my baller. DECEMBER 4, 1996 Date of Survey Signature and Seel of Freine Meet Surveyor:			WI	նեւ Լ(	JCATIO	N AND AC	CREAGE DEDI	CATION PL	AТ				
'Property Name       'Vergerty Name       'Vergerty Name         'ORER No.       'Operator Name       138         'ORER No.       'Operator Name       'Starstion         OOSO73       CONOCO INC.       3538'         ''Surface Location       ''Surface Location       ''Ule or ist no.       Section         ''L or ist no.       Section       Tormship       Range       Lot Id       Feet from the North/South line       Feet from the North/South line       Sect/Vest line       County         ''Dot to no.       Section       Tormship       Range       Lot Id       Feet from the North/South line       Feet from the North/South line       Feet from the North/South line       County         ''Dot to no.       Section       Tormship       Range       Lot Id       Peet from the North/South line       Feet from the North/South line       County         ''Dot or Infli       County       Range       Lot Id       Peet from the North/South line       Feet from the North/South line       Feet from the North/South line       County         ''Dot or Infli       County       Range       Lot Id       Peet from the North/South line       Feet from the North/South line       County         ''Dot or Infli       County       Range       Lot Id       Peet from the North/South line       Feet fro			957	96		ode	Warren Gr	Pool Na	San An	drep			
003127     WARREN UNIT     133       '008UD No.     '0perator Name     '28eration       005073     CONOCO INC.     3538'         ''Definition     Section     Tormship     Range     Lot life       L     20-S     38-E     If Feet from the North/South line     Feet from the Section     County         U. or lot no.     5ection     Tormship     Range     Lot life     Feet from the North/South line     Feet/West line     County         U. or lot no.     Section     Tormship     Range     Lot life     Feet from the North/South line     Feet/West line     County         "Bedicated Acres"     "foint or infill     Cossolidation Code     "Order No.     County     County         "Definition     MARCE     Unit Has BEEN APPROVED BY THE DIVISION     If OPERATOR CERTIFICATION         106     I'' OPERATOR CERTIFICATION         107     OPERATOR CERTIFICATION         108     I'' OPERATOR CERTIFICATION         109     I''' OPERATOR CERTIFICATION         100     I''' OPERATOR CERTIFICATION         101     I''' OPERATOR CERTIFICATION         102     I''' OPERATOR CERTIFICATION         103     I''' OPERATOR CORDINATOR         104			19/										
'Operator Name     'Iperator       005073     CONOCO INC.     35.38'       'Surface Location       UL or lot no.     Section     Township     Renge     Lot tim     Peet from the     Net/Yeart line     County       L     27     20-S     38-E     If Peet from the     North/South line     Peet from the     Ear/West line     County       L     27     20-S     38-E     If Peet from the     North/South line     Peet from the     Ear/West line     County       'Bottom Hole Location If Different From Surface       UL or lot no.     Section     Township     Renge     Lot lin     Peet from the     North/South line     Peet from the     Rar/West line     County       "Dedicated Acres     "Joint or Infill     "Cossolidation Code     "Order No.     Infill Peet from the     North/South line     Peet from the     Rar/West line     County       NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION       'OPERATOR CERTIFICATION       'Section       'Section       OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION       'Section       'Section <td "bottom="" "on="" (party="" 1°="" a="" all="" allowable="" approved="" assigned="" be="" been="" bottom="" by="" certification="" colspan="2" completion="" consolidated="" different="" division="" from="" has="" have="" hole="" if="" interests="" ist="" location="" no.="" non-standard="" operator="" or="" surface="" the="" this="" to="" ul="" unit="" until="" will="">Added Name       Issued for and marked area back       "OPERATOR CERTIFICATION       (Party colspan="2"&gt;Superifies       Issued for and colspan="2"&gt;Issued for an another area back of any booted any booted and any booted and any booted and any booted and any booted any booted and any booted and any booted and any booted any booted and any bo</td> <td></td> <td></td> <td><u>`</u></td> <td></td> <td></td> <td></td> <td colspan="5"></td>	Added Name       Issued for and marked area back       "OPERATOR CERTIFICATION       (Party colspan="2">Superifies       Issued for and colspan="2">Issued for an another area back of any booted any booted and any booted and any booted and any booted and any booted any booted and any booted and any booted and any booted any booted and any bo				<u>`</u>								
<sup>10</sup> Surface Location         UL or ist no.         27       20-S       38-E       Let Idn       Feet from the North/South line       Feet from the 660       WEST       LEA <sup>11</sup> Bottom Hole Location If Different From Surface         UL or ist no.       Section       Township       Range       Let Idn       Feet from the North/South line       Feet from the East/West line       County         "Bottom Hole Location If Different From Surface         UL or ist no.       Section       Feet from the Feet from the North/South line       Feet from the East/West line       County         "Bottom Hole Location If Order No.       No ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION       17 OPERATOR CERTIFICATION / Amby order that the information escatand herm is form and escatand herm is and escatand herm is form and escatand escatand and escatand herm is form and escatand her						_				•			
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<u>SR. CONSERVATION COORDINATOR</u> Title Date 18 SURVEYOR CERTIFICATION <i>I hareby certify that the real location above on this plat</i> <i>res plotted from field notes of actual surveys made by me</i> or under my supervision, and that the same is true and correct to best of my bellet. DECEMBER 4, 1996 Date of Survey Signature and Seal of Follow Materia Provents										<u>w. но</u>	OVER		
660' Bate 18 SURVEYOR CERTIFICATION 1 hereby cartify that the well location shown on this plat was plotted from field notes of sotual surveys made by me or under my supervision, and that the same is true and currect to best of my ballet. DECEMBER 4, 1996 Date of Survey Signature and Seal of Freithauthar Parteyor:													
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Certificate Number 8278								Certificate N					

## PROPOSED WELL PLAN OUTLINE

VELL NAME

#### WARREN UNIT NO. 138 1980' FSL & 660' FWL, SEC.27, T-20S, R-38E, LEA CO.

TVD	FORMATION	T	TYPE OF	т	CASING			FORMATION	·		<i></i>
IN	TOPS & TYPE	DRILLING	FORMATION	HOLE			FRAC	FORMATION PRESSURE	MUD		
1000' <u>VD</u>	ITPE	PROBLEMS	EVALUATION	SIZE	SIZE	DEPTH	GRAD	GRADIENT	WT 8.4	TYPE FRESH	DAY
		POSSIBLE HOLE ENLARGEMENT & SLOUGHING		12-1/4"	<b>8-5/8"</b> 24#, K-55, ST&C 350 sxs_circ	420''					
	RUSTLER 1430'			7-7/8"					10	BRINE STARCH	3
	BASE SALT 2546' YATES 2718'							LESS THAN 8.3			
	7-RIVERS 2976' QUEEN 3535'										5
	PENROSE 3718' GRAYBURG 3832'		H2S MONITOR ON @ 3500' No Mudloggers								8
	SAN ANDRES 4030'										
	TD = 4750'		No Openhole logs		5 1/2" 15.5#, K-55, LT&C 960 sxs, attempt to circulate	4750		BHP = 1400 psi			14
5											
6											and Roman at the
7											
8 🗖											
C'ATE	E	11 Nov., 1996									
APP		Joe Miller RESERVOIR ENGINEER									

APPROVED Roger Williamson DRILLING ENGINEER

#### Well Name : Warren Unit #138

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### Location : 1980' FSL & 660' FWL Sec 27, T-20S, R-38E, Lea County, New Mexico

#### Casing Program :

Surface	8 5/8"	casing	in	12 1/4"	Hole	at _	420	_ft.
Production	5 1/2"	_casing	in	7 7/8"	Hole	at _	4750	ft.

#### Cementing Program :

<u>Surface</u>											
Lead	250	sacks	Class C	Mixed at	13.7	ppg					
Additives	4% Gel +	2% A7P +	0.2% Sodium I	Metasilicate	3						
						-					
Tail	100	sacks	Class C	Mixed at	14.8	ppg					
Additives	2% A-7F	)				-					
						-					
<b>Production</b>											
Lead	460	sacks	Class C	Mixed at	12	ppg					
Additives	16% Gel	+ 3% Salt	+ 0.3% CD-32	+ 0.3% S	MS						
			· <u>,,,,,</u> ,,,			-					
Tail	500	sacks	Class C	Mixed at	14.8	ppg					
Additives	1.1% FL-	62 + 2% B/	A-90 + 3% Salt	+ 0.3% C	D-32						
	+ 0.2% SMS										
Free Water	0	%	Fluid Loss	80	cc/30 min						

#### SURFACE USE PLAN Conocolnc.

#### Warren Unit No.138

The following is required information concerning the possible effect which the drilling of this well may have on the environment, existing road sites, and surrounding acreage. A copy will be posted on the derrick floor so all contractors and sub-contractors will be aware of all items of this plan.

#### 1. Existing Roads

- A. The proposed well site is 1980' FSL & 660' FWL, Sec. 27, T-20S, R-38E, Lea County, New Mexico.
- B. Exhibit "A" is a Vicinity road and well map. Directions to the location are as follows:

From Hobbs go south 11 miles on Hwy. 18 to mile marker 39. Turn west for .8 miles to location.

- C. No improvement or maintenance is anticipated for the existing roads.
- 2. Planned Access Roads
  - A. No new access road will be required.
  - B. No turnout will be required.
  - C. No culverts will be required.
  - D. No gates, cattleguards, or fences will be required.

#### 3. Topographic Map and Well Location

A 7.5" quadrangle topo map of the area is included as Exhibit "B".

4. Additional Right-of-Ways

A pipeline right-of-way will be required. A plat for this right-of-way is attached as EXHIBIT C.

5. <u>Water Supply</u>

Fresh water will be secured from the City of Eunice and brine from McCasland's water station in Eunice. All water will be trucked from Eunice, north on highway 18. The route will go north 2/10 mile on highway 18 and then follow the above described route to location.

6. <u>Source of Construction Materials</u>

Caliche will come from the pit located in the SE/4 SE/4 Sec. 15, T-20S, R-38E.

# **BOP SPECIFICATIONS**

