(conoco) NSL 3/30/98

Mid-Continent Region Exploration/Production

March 6, 1998

Mr. Michael Stogner
New Mexico Oil conservation Division
2040 S. Pacheco
Santa Fe. New Mexico 87504

RE: Application for Non- Standard Location Warren Unit # 127 API # 30-025-33194 Lea County, NM Conoco Inc. 10 Desta Drive, Suite 100W Midland, TX 79705-4500 (915) 686-5400



Dear Mr. Stogner,

The proposed recompletion and test of the Seven Rivers formation in this well requires a non-standard location order. This well has been filed as a Wildcat Pool test due to the distance of two miles to the nearest Eumont Gas well. The well is located in Section 28, T-20-S, R-38-E, Lea County, New Mexico. The currently producing DK abo West Pool completion is at sub-economic rates. All other formations, know to be productive, are being produced by twin producers. The notice of intent was approved February 19, 1998.

As a wildcat well, following statewide rule 104 for Gas wells, this wellbore is non-standard in relationship to the distance to the southern section boundary. The well is located 330' FSL & 660 FEL of Section 28. No other wells in this section are at sub-economic rates to test the Seven Rivers structural high in the southeast quarter section of Section 28. Utilization of the No. 127 wellbore will prevent economic waste by allowing access to test the Seven Rivers potential in the Conoco Warren Unit.

The offset operator plat shows the operators that could be affected by this non-standard location. Conoco, Inc. Is the only offset operator. A non-standard location order is requested based on the reasons given. If there are any further questions concerning this application please call me at (915) 686-5798.

Sincerely

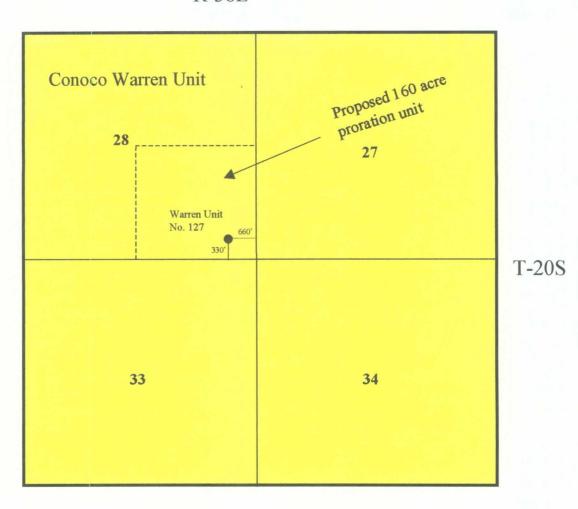
Kay Maddox

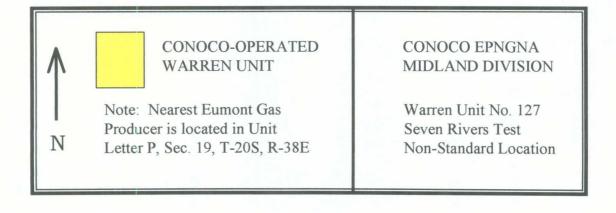
Regulatory Agent

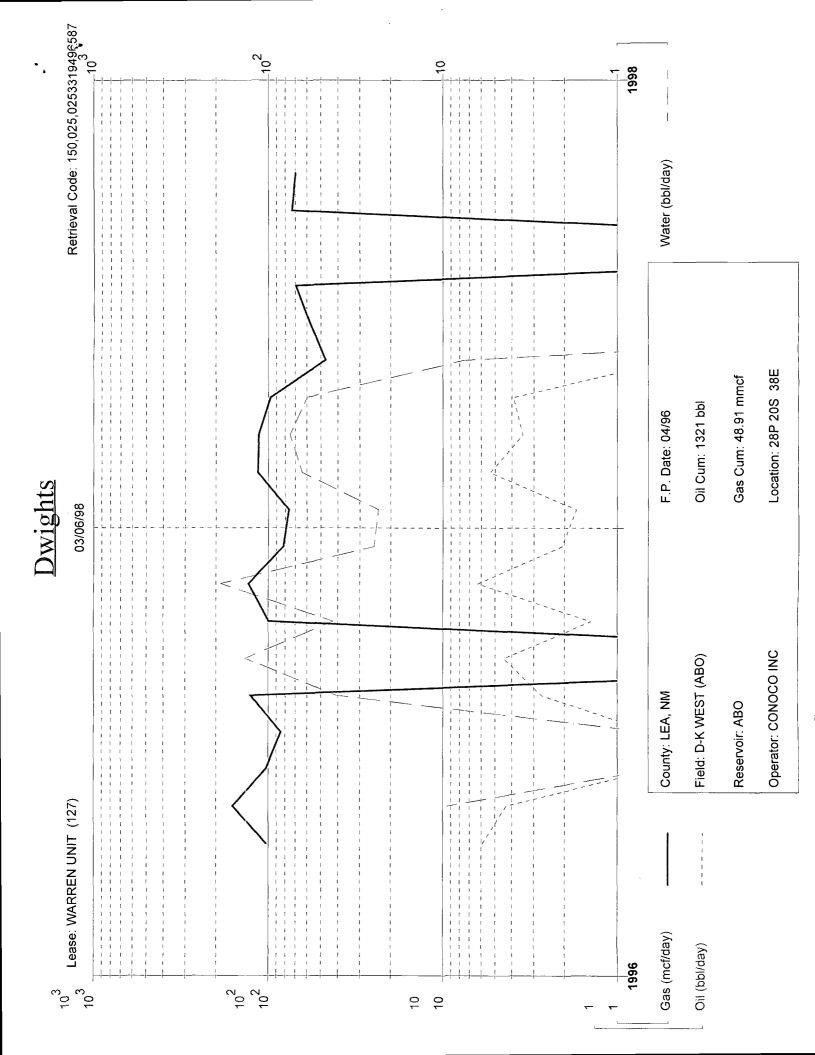
cc: Oil Conservation Division - Hobbs

William J Lemay, Director - OCD, Santa Fe

R-38E







Distract I PO Box 1980, Hobbs. NM 88241-1980

State of New Mexico Energy, Minerals & Natural Resources Department

Revised February 21, 1994 instructions on back

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

PO Box 2088, Santa Fe. NM 87504-2088

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

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# **UNITED STATES**

N.M. Oil Cons.

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	Budget Bureau No. 1004-0135
	Expires: March 3 1,1993

lune 1990)	DEPARTMENT OF THE BUREAU OF LAND M		P.O. LOX 1980 Hobbs, NM 88241	5. Lease Desi	res: March 3   ,1993 gnation and Seriai No.
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1. Type of Well Oil Gas Well Well 2 Name of Operator	Other			8. Well Name	and No.
3. Address and Telephone No.	NOCO INC. FE. 100W, MIDLAND, TX. 79	705-4500 (915)	686-5424		o. 60-025-33194 Pool, or Exploratory Area
4. Location of Well (Footage	Sec., T. R. M. or Survey Description) Section 28, T-20-S, 330' FSL & 66	R-38-E, P 0' FEL		11. County or	Lea
TYPE OF SU	PPROPRIATE BOX(s) TO IN	IDICATE NATU	TYPE OF ACTION		HER DATA
13 Describe Proposed or Comp give subsurface location	icted Operations (Clearly state all pertinent do	r all markers and zones p	on ack pair asing lates, including estimated date of starti pertinent to this work.)*	New Co Non-Ro Water S Convers Dispos (Noie: Repon Completion or	of Plans instruction intine Fracrunng ibut-Off sion to Injection e Water results of multiplecompition on WdI Recompletion Report and Log form.) ork. If well is directionally drilled,
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Conditions of approval if	any: EAR, PONCA, COST ASST, FILE RO				

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 junsdiction.

histrict 1 PO Box 1980, Hobbs. NM 88241-1980 State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

Revised February 21, 1994 instructions on back

District II PO Drawer DD, Artesia, NM 88211-0719 District III

Submit to Appropriate District Office State Lease - 4 Copies

1000 Rio Brazos Rd. Aztec, NM 87410

Fee Lease - 3 Copies

AMENDED REPORT

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

### WELL LOCATION AND ACREAGE DEDICATION PLAT

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Plat. 11 PO Box 1980, Hobbs, NM 88241-1980 Patrict II

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-104 Revised February 10, 1994 Instructions on back Submit to Appropriate District Office

N Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

Distract III 1900 Rio Brazos	ı Rd., Aztoc,	, NM 87410	***	Santa I	PO Box Fe, NM	2088 <b>875</b> ()4	-2088			محسوي ر .	<b>.</b>	5 Copie	
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1980. Hobbs, NM 88241-1980

State of New Mexico

ON SIVE STORY, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back

PO Drawer DD, Artesia, NM \$8211-0719

Submit to Appropriate District Office

Certificate Number

State Lease - 4 Copies Fee Lease - 3 Copies

1000 Rio Brazos Rd., Azice, NM \$7410; District IV PO Box 2088, Santa Fc, NM 87504-2088

OIL CONSERVATION DIVISION PO Box 2088

AMENDED REPORT

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35. LIST OF ATTACH	MENTS		<del>\</del>	JUL 131	J3U	<u> </u>		
Logs & Inc	clination	////	/					
36. I bereby certify	that the foregoing	and attaches wito	rmation is comp	lete and correct	as determine	d from s	ill available rec	cords
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	nn E. Ritch	16						

\*(See Instructions and Spaces for Additional Data on Reverse Side)

dummary of Por	ROUS ZONES: (Sh	erval tested, cus	dummary of Porous Zones: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	38. GEOL	GEOLOGIC MARKERS	,
FORMATION	ТОР	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP	P
				NAKR	MEAS. DEPSHO	TRUE VERT. DEPTH
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				Abo	6854	-3314
				Fusselman	7553	-4012
				Montoya	7710	-4169
				Simpson	8006	-4465
				McKee	8306	-4765
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				Ellenburger	8626	-5085
				Granite Wash	8682	-5141
				Basement	8722	-5181
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Conoco, Inc. Warren Unit #127

Perforated Abo 7408 - 7556', 3-11-96, 1 SPF, fraced 3-12-96 w/1500 gals 15% HCL, frac. 38,000 gals Spectra frac G-3500 w/45,000 # 20/40 sand. 3-14-96 set CIBP @ 7355'.



WELL

Warren Unit No. 127

**LOCATION** 

Sec. 28-20S-38E, Lea County, New Mexico

**OPERATOR** 

Conoco, Inc.

10 Desta Drive, Suite 100W Midland, Texas 79705-4500

**DRILLING CONTRACTOR** 

Exeter Drilling Company

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @	<b>Depth</b>	Degrees @	Depth	Degrees @ Depth
3/4	198	4 1/2	8,386	
1/2	401	4 3/4	8,447	
1/2	914	4 3/4	8,509	
1/2	1,408	3 3/4	8,604	
3/4	1,919	3 1/2	8,784	
2 1/4	2,386			
2 1/4	2,576			
1 1/4	2,724			
1 1/4	2,957			
1	3,428			
3/4	4,196			
1/2	4,666			
3/4	5,166	<del> </del>		
1/2	5,638			
3/4	6,109			
3/4	6,609			
1/2	6,902			
1 1/4	7,394			
2 1/4	7,886			
4 3/4	8,262		•	
	<del></del>			

Drilling Contractor: EXETER DRILLING COMPANY

By:

Bob Lange

Drilling Manager Southern Division

Subscribed and sworn before me this 8th day of January, 1996.

DAPHNE R. WATSON
NOTARY PUBLIC
State of Texas
Comm. Exp. 03-22-97

Daphne R. Watson Notary Public

Commission Expires: March 22, 1997

District I PO Box 1980, Hobbs, NM 88241-1980 District II

PO Drawer DD, Arteste, NM 88211-9719 District [[]

1000 Rio Brusso Rd., Astoc. NM 87418 District IV

PO Box 2081, Santa Fe, NM 87564-2088

Form C-104 Revised February 10, 1994 Instructions on back Submit to Appropriate District Office 5 Copies

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

State of New Munico
Energy, Minorals & Natural Bassieus Departu

			Conoco,	Inc.				RECEIVED 005073				
			TME dWE Ad DESIGNATE	HAS BELOW. II	L AON DO	100W THE POOL: ( NOT CONCUE	16 JU	5 AM 8	3 52 W			
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i er loi ne.	Section	Township	Numge	Let.ide	Fee from t	he North	out Line	Fast from the	Same West has	Conaty		
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024650	Wa	rren Pe	troleum		2	817459	G	Sec.	28, T-20-	S, R-38-E		
		O. Box (	67 <u>New M</u> ex	ico 882		· · · · · · · · · · · · · · · · · · ·						
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IV. Produced Water  POD ULTE Lecring and Description												
						100 VLSTR LA		•				
07741 . <b>Well</b>		tion Data	<del></del>			Sec. 20,	1-20-5	-S, R-38-E				
	pud Date		Mendy D	)ale	<del></del>	TD OT		" PETD	* Perforetions			
12.	-2-95		415					05061	7239 - 7339'			
	M Hole Size N Casing & Tubing Size					784 '		8506'	,			
	- / - **	t 		Casing & Tubi		3784 '	N Depth S	4	* S4	39 - 7339 t		
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7-			H	Callag & Tubi 8-5/8"		3784'	3705		• s. 1	39 - 7339'		
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### FOX 88241-1980

tosia, NM 88211-0719

Box 2088, Santa Pe, NN 87504-2088

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

Form C-1

Revised February 21, 19 Instructions on ba

Submit to Appropriate District Off:

State Lease - 4 Copi Fee Lease - 3 Cop:

AMENDED REPO:

OIL CONSERVATION DIVISION
OIL CONSERVATION DIVISION
FOR BOX 2088
ON NM 87410 RECEIVED Santa Fe, NM 87504-2088 Brasos Rd., Asteo, NM 87410 RECEIVED

AM 8 52

WELL LOCATION AND ACREAGE DEDICATION PLAT

	7 Manaber 25-331												
*Property	Code 3122				•	-				·	-	٠,٣	Tell Number
						REN I							127
'OGRID :	No. 5073				•	rator Na						•	Elevation
						oco,			,				3524'
				31	Surface	e Lo	catior	1					
UL or lot mo.	Section	Township	Range	Lot Idn	Feet from	the N	orth/Sout	h line	Fee	from the	East/Ver	rt line	County
Р	28		38-E.	•	330		SOUTH 660 E						LEA
		11 B	ottom	Hole	Location								
UL or lot no.	Section	Township	Range	Lot ldn	Feet from t	the N	orti./Sout	h line	Feet	from the	Bast/Ve	st line	County
Dedicated Acre	an laint	or Infill "Co	meolidation	Code   "C	order No.	!							<del></del>
40	301111	u		Code	order No.								
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Form 3160-5

(June 1990)

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993 Expires: March 31, 1993

Expires: March 31, 1993

Expires: March 31, 1993

L	C 0	316	95B

											_	. –	
this	form for	proposals	to	drill	or	to	deepen	or	reentry	to	а	different	reservoir.

BUREAU OF LAND MANAGEMENT	Expires: March 31, 1993  Lease Designation and Serial No.
SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals	LC 031695B 6. If Indian, Allottee or Tribe Name
SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
Type of Well  X Oil Gas Well Well Other  Name of Operator	8. Well Name and No. Warren Unit Well # 127
CONOCO INC.  Address and Telephone No.  (915) 684 - 6381  10 DESTA DR. STE 100W, MIDLAND, TX. 79705 (915) 686 - 5424	9. API Well No. 30-025-33194 10. Field and Pool, or Exploratory Area
Location of Well (Footage, Sec., T., R., M., or Survey Description)  SURFACE: 330' FSL & 660' FEL of Section 28, T-20S, R-38E  TD: Same	Warren McKee 11. County or Parish, State  LEA, NM

#### CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12

TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment P&A	Change of Plans
	Recompletion	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	X Other Set Intermediate Casing	Dispose Water
		(Nate: Report results of multiple completion on Well
		Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

12-10-95 TD-3705' Ran 90 jts. 8-5/8" 32# K-55 casing to a total depth of 3705'. Cemented with a lead slurry of 1300 sx Class "C" lite w/10#/sx NaCl & 1/4# cello-flakes/sx, followed by the tail slurry of 200 sx Class "C" w/ 2% CaCl. Centralizers installed on middle of first joint and every 4th joint thereafter. Total 18 centralizers. Circulated 220 sx to pit. Plug down at 4:15 pm 12-10-95. BLM notified 0630 on 12-10-95.

J. Lara

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-								
14.	I hereby	certify	that	the	gregoing	As true	and &	orrec

Ann E. Ritchie

**REGULATORY AGENT** 

01-16-96

(This space for Federal or State office use)

Conditions of approval, if any

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.

Approved by

### Form 3160-5 (June 1990)

### UNITED STATES ON SERVE ON DIVISION DEPARTMENT OF THE INTERIOR RECEIVED

BUREAU OF LAND MANAGEMENT 29 APT 8 52

#### FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993
5. Lease Designation and Serial No.

Date

		LC 031695B	
SUNDRY NOTICES	AND REPORTS ON WELLS	6. If Indian, Allottee or Tribe Name	
Do not use this form for proposals to drill or to dee  Use "APPLICATION FOR PERMIT" for			
		7. If Unit or CA, Agreement Designation	
SUBINIT IN	TRIPLICATE		
. Type of Well			
X Oil Gas		8. Well Name and No.	
Well Well Other  Name of Operator		Warren Unit	
		Well # 127	
CONOCO INC. Address and Telephone No.			
10 DESTA DR. STE 100W, MIDLAND, TX. 79705 (	(915) 684 - 6381 (915) 686 - 5424	30-025-33194 10. Field and Pool, or Exploratory Area	
Location of Well (Footage, Sec., T., R., M., or Survey Description)	(310) 300 - 3424		
SURFACE: 330' FSL & 660' FEL of Section 28, T-205	S. R-38F	Warren McKee  11. County or Parish, State	
TD: Same	5,11,552		
		LEA, NM	
2. CHECK APPROPRIATE BOX(s) TO INDIC	CATE NATURE OF NOTICE, REPORT, OR	OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION		
Notice of Intent	Abandonment P&A	Change of Plans	
	Recompletion	New Construction	
X Subsequent Report	Plugging Back	Non-Routine Fracturing	
	Casing Repair	Water Shut-Off	
Final Abandonment Notice	Altering Casing	Conversion to Injection	
	X Other Spud & Surface Casing	Dispose Water	
		(Note: Report results of multiple completion on Well	
<ol> <li>Describe Proposed or Completed Operations (Clearly state all pertindirectionally drilled, give subsurface locations and measured and</li> </ol>	nent details, and give pertinent dates, including estimated date of d true vertical depths for all markers and zones pertinent to this w		
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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.

Approved by Conditions of approval, if any:

# N.M. OIL CONS. COMMISSION

. Form 3160-5 (June 1990)

## UNITED STATES

P.O. 3	OX 1980 MEXICO	38240
MC NOW THE	SION FORM APPRO Budget Bureau No. Expires: March	IVED 1004-0135
RECEIVED	C. L. D.	Cominal Nin

form 3160-5 June 1990)		TED STATES IT OF THE INTERIOR	THE GENSERY A NON DIV	Budget Bureau No. 1004-0135
		LAND MANAGEMENT	RECLIVED	Expires: March 31, 1993  5. Lease Designation and Serial No.
			ELTREES 29 AM 8	57 LC 031695B
Do not i	SUNDRY NOTICES	AND REPORTS ON W	Erra	6. If Indian. Allottee or Tribe Name
טט ווטנ נ	use this form for proposals to dr Use "APPLICATION FO	n or to deepen or reentry R PERMIT—" for such pr	1	
				7. If Unit or CA, Agreement Designation
	SIJBMIT	IN TRIPLICATE		
1. Type of W				
Oil Well				8. Well Name and No. Warren Unit No. 127
בי יישטטייי	Perator Inc.			9. API Well No.
3. Address ar	nd Telephone No. esta Dr. Ste 100W, Midlar			30-25-33194
	·			10. Field and Pool, or Exploratory Area Wildcat McKee
	FSL & 660' FEL	scription)	ŀ	11. County or Parish, State
Sec.	28, T-20S, R-38E			Lea. NM
		·		
12.	CHECK APPROPRIATE BOX	s) TO INDICATE NATU	RE OF NOTICE, REPORT	T, OR OTHER DATA
	TYPE OF SUBMISSION		TYPE OF ACTION	
	Notice of Intent	Abandonme	ent	Change of Plans
		Recomplete		New Construction
	Subsequent Report	Plugging B	ack	Non-Routine Fracturing
	Final Abandonment Notice	Casing Rep		Water Shut-Off Conversion to Injection
	Final Additionalities Notice	Altering Co	ising	Dispose Water
				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
	Proposed or Completed Operations (Clearly state all subsurface locations and measured and true vertice)			my proposed work. If well is directionally drilled,
•		a depute for an interact of the corner p		
It is   127 (a)	proposed to make the foll pproved 11/22/95):	owing changes in t	he drilling plan for	the Warren Unit No.
1. Ch	ange the intermediate hol (The same approved 8-5/8	e size from 12-1/4 B" casing will stil	" to an 11" hole. 1 be used)	
2. 100	00 sxs of cement will be (800 sxs lead & 200 sxs	used to circulate tail)	casing annulus to th	
These	-			CARE CARE
mese (	changes were verbally app	roved by Shannon S	haw by phone 11/29/9	J. 22
				(1)
				LTI -
		`.		
				e G
14. I hereby	certify that the foregoing is injuried correct		<del></del>	
Signed (	Jamy Wisoover	Tide Sr. Con	servation Coordinato	T Date 11/30/95
(This 960	co for Federal or State office use)			112/06
Approved	by Claned by Shannon I have as of approval, if any:	TitleTTRO	PLEUM ENGINEER	Date
Condidot	or approver, is any.			
Tide 19 ** 5	C. Compa 1001			The same false frameway or fraudulent systematic
11tte 18 U.S.	C. Section 1001, makes it a crime for any person	knowingly and willfully to make to a	my department or agency of the United S	takes any laise. Includes of franchise salutioning

RECE	Form 3160930 (501) 1969) ((egigety 9-331 RM 8 52 APPLICA	DEP	Prof. B. Saraha 1991	EFF. DATE	5073 3122 3270 27/95 25-3310	24 K	Modified NO60-316 3. LEASE DEEIG LC 0316951	Q-2 NATION AND SERIAL NO.
_	b. TTPE OF WELL OIL WELL HAME OF OPER	DRILL 🖾	DE OTHER	EPEN EINGLE	PLUG BA	PLB	Warren Un:	íť
ä	Conoco. In . ADDESS OF OF 10 Desta D	ERATOR Or. Ste 100W	, Midland, TX		(915) 686-6		9. WELL NO. 127	POOL OF VILOCAT
_	At proposed p	330 ′	FSL & 660' FE	L L	hit P	······································	11. 88C. 2. B. AND SURVEY Sec. 28,	M. 08 SLE. 108 AREA 1-205, R-38E
ī.	O. DISTANCE FEG LOCATION TO PROPERTY OR (Also to see	M PROPUGES* MEASEST LEASE LINE, FT. rest drig, unit line.		16. NO. OF A	TESS IN LEASE	70 1	Lea OF ACESS ASSIGNS INIS VELL	40
_	TO MEAREST OR APPLIED FOR	PRINCIPARE LOCATION OF THE LEASE, P. B. Whether D.F. R.	a Pleted.	9000		20. ROT	Rotary  22. APPLOX. 0.	ATE WOLL WILL START
<b>2</b>	ı.		PROPOS	ed casing and cemi	NTING PROGRA	JK		
-	HCLE \$12E   17-1/2"	CASING SIZE 13-3/8"	M: IGHT/FCOT 54.5#	<b>GRADE</b> (~35	THEAD ST&C	TYPE	400	440 sx/circ.
-	<u>12-1/4"</u> 7-7/8"	8-5/8" 5-1/2"	24# & 32# 1.7#	K-55 K-55/L-80	ST&C LT&C		3700 ′ 9000 ′	1735 to sur 1385 to 2500
	1. Well 2. Propos 3. Cemen 4. Surfa 5. EXHIE 6. EXHIE 7. EXHIE 10. BOP 11. H2S 12. Lette	Location and Sed Well Plating Programmer Use Plan IT A: Vici IT B: 7.5" IT C.1 - C. IT D: Stan Ind Choke Maderilling Open Programmer III Ind Constant Ind Constan	d Acreage Dedi an Outline mity and Lease Quadrangle To 4: Road, Pipel dard Rig Layou inifold Specifi erations Plan	po Map ine. and Elect	-102) ric line pi	lats Well	AREA EL L. T. CER	RECEIVED
\$0	ne. If proposal	is to drill or doe	Hoour	Sr. Con	t give data on parace locations a	ad Berry	NE BBE LINE THILL	proposed new productive il depths. Give blowout
	APPROVED ST	APPROVAL IP ANY:		717LE	werse Side	· · · · · · · · · · · · · · · · · · ·	APPROVAL SI	EQUIREMENTS AMO

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any dengerance of the

District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 68211-0719 District III 1000 Rio Brazos Rd., Astec, 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

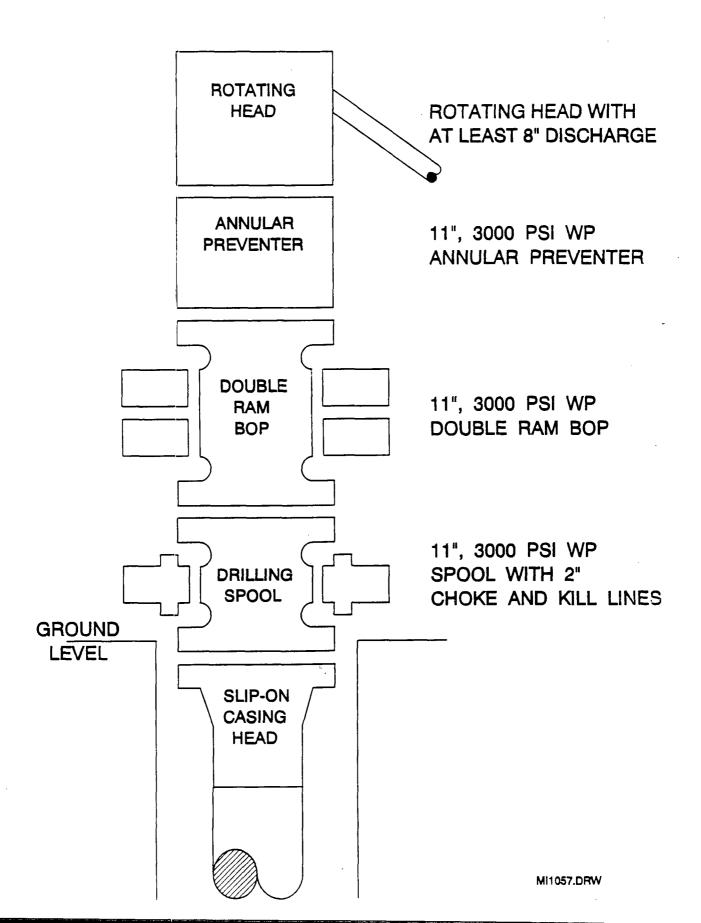
Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

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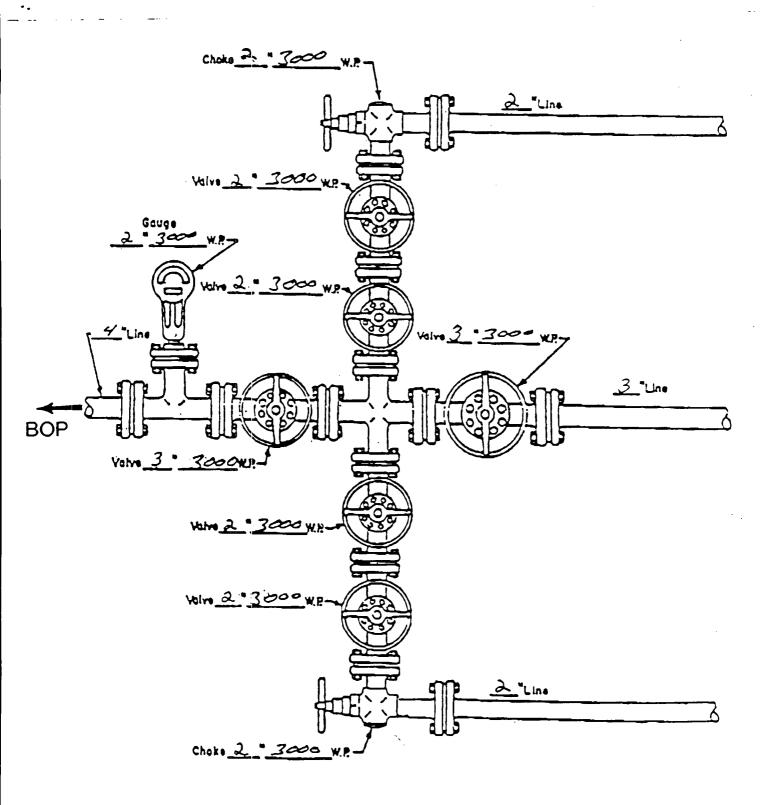
AMENDED REPORT

		W	ELL LO	CATIO	N AND AC	REAGE DEDI	CATION PI	TAL				
	7 Number 25- 3	3194	6	1 Pool C	ode	Warren	Pool N	ame				
Property				-	Property WARREI	y Name		*Well Number				
'OGRID	No. 5073				*Operato	r Name		Elevation 3524'				
	<u> </u>			1	<sup>0</sup> Surface							
VL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County		
Р	28	20-S	38E		330	SOUTH	660	EAS	ST	LEA		
		11	Bottom	Hole	Location I	Different F	rom Surfac	ce		:		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County		
<sup>2</sup> Dedicated Acr	as "Joint	or Infill "	Consolidation	n Code	Order No.	1		1				
NO ALLOW.	ABLE W					ION UNTIL ALL BEEN APPROVE			EEN CO	NSOLIDATED		
16							I hereby cer true and construe and construe and construe Signature  Printed Na SR. CO Title  Date  18 SUR I hereby cer was plotted or under my	JERRY  MERCA  JERRY  MODE  NSERVAT  10/2  VEYOR  ttty that the man field note a supervision, a sect of my bell-  OCTOBE	W. HOO TION CO 0/95  CERT rell location as of actual and that the	OORDINATOR  IFICATION shown on this plat surveys made by me same is true and		
						660 02	Signature		827	WILLIAM SON THE SON TH		

### **BOP SPECIFICATIONS**



### CHOKE MANIFOLD DIAGRAM



MANIFOLD

⊠ Monuel

☐ Hydraulic

### **H2S DRILLING OPERATIONS PLAN**

### I. Hydrogen Sulfide Training

All contractors and subcontractors employed by Conoco will receive or have received training from a qualified instructor within the last twelve months in the following areas prior to commencing drilling operations on this well.

- 1. The hazards and characteristics of hydrogen sulfide (H2S)
- 2. Safety precautions
- 3. Operations of safety equipment and life support systems.

In addition, contractor supervisory personnel will be trained or prepared in the following areas:

- 1. The effect of H2S on metal components in the system, especially high tensile strength tubulars are to be used.
- 2. Corrective action and shut-down procedures when drilling or reworking a well, blowout prevention and well control procedures, if the nature of work performed involves these items.
- 3. The contents and requirements of the contingency plan when such plan is required.

All personnel will be required to carry documentation of the above training on their person.

### II. H2S EQUIPMENT AND SYSTEMS

### 1. Safety Equipment

The following safety equipment will be on location:

- A. Wind direction indicators as seen in attached diagram.
- B. Automatic H2S detection alarm equipment (both audio and visual).
- C. Clearly visible warning signs as seen on the attached diagram. Signs will use the words "POISON GAS" and "CAUTION" with a strong color contrast.
- D. Protective breathing equipment will be located in the dog house and at briefing areas as seen in the attached diagram.

### 2. Well Control Systems

### A. Blowout Prevention Equipment

Equipment includes but is not limited to:

- a. pipe rams to accomodate all pipe sizes
- b. blind rams
- c. choke manifold
- d. closing unit
- e. flare line and means of ignition

#### B. Communication

The rig contractor will be required to have two-way communication capability. Conoco will have either land-line or mobile telephone capabilities.

### C. Mud Program

The mud program has been designed to minimize the volume of H2S circulated to surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers when appropriate will minimize hazards when penetrating H2S bearing zones.

#### D. Drill Stem Tests

There are no drill stem tests proposed for this well.

### III. WELL SITE DIAGRAM

A complete well site diagram including the following information is attached:

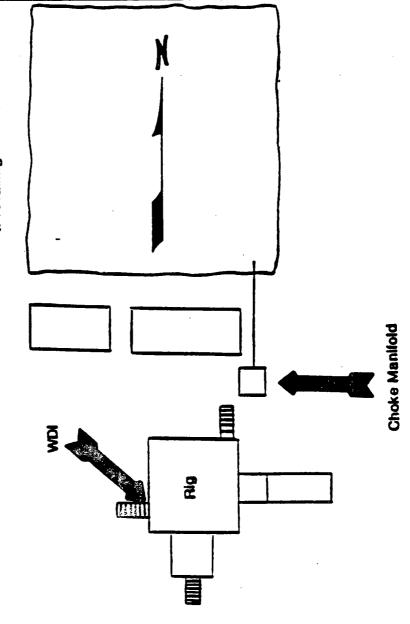
- 1. Rig orientation
- 2. Terrain
- 3. Briefing areas
- 4. Ingress and egress
- 5. Pits and flare lines
- 6. Caution and danger signs
- 7. Wind indicators and prevailing wind direction



H2S Safety Contractor

(Prevailing winds are SW to NE) Terrain is flat, and covered with native grasses Two of the three WDI (wind direction indicator) locations will be utilized

> Muster Area No. 1 Contractor Quarters Conoco Quarters



Muster Area No. 2

