

DATE IN 4/12/01	SUSPENSE 5/2/01	ENGINEER MS	LOGGED BY MW	TYPE NSL
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110641543

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -

**ADMINISTRATIVE APPLICATION COVERSHEET**

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

- [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
- [DD-Directional Drilling] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

REC'D

APR 12 2001

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Directional Drilling  
 NSL     NSP     DD     SD

Check One Only for [B] and [C]

- [B] Commingling - Storage - Measurement  
 DHC     CTB     PLC     PC     OLS     OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX     PMX     SWD     IPI     EOR     PPR

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or  Does Not Apply

- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE** - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox		Regulatory Agent	4/06/01
Print or Type Name	Signature	Title	Date



Mid-Continent Region  
Exploration/Production

Conoco Inc.  
10 Desta Drive, Suite 100W  
Midland, TX 79705-4500  
(915) 686-5400

April 6, 2001

Mr. Michael Stogner  
New Mexico Oil Conservation Division  
1220 S. Saint Francis Drive  
Santa Fe, New Mexico 87504

**Application for Nonstandard Location Warren Seven Rivers (96812) pool:**

**Warren Unit # 132  
Section 28, T-20-S, R-38-E, K  
2180' FSL & 2200' FWL  
API # 30-025-33485  
Warren Seven Rivers Recomplete  
Lea County, New Mexico**

Dear Mr. Stogner,

Conoco respectfully requests your approval of this administrative application for a nonstandard location order for the proposed Seven Rivers recomplete of the Warren Unit # 132. This well will be in the Warren Seven Rivers pool (96812) established January 1999.

There are no special Warren Seven Rivers pool rules; therefore this well is subject to the spacing required in the statewide rules of a 160-acre gas proration unit. The well is 460' FNL and 440' FEL of the SW ¼ of Section 28, less than the required 660'. Please reference the attached C-102 plat.

This well was drilled and completed in October 1996 as a San Andres well. The well has produced 18, 971 BO and 35,434 MCF. Currently the Warren Unit # 132 is producing 4 BOPD and 15 MCFGPD. Conoco proposes to recomplete this well to the Seven Rivers and temporarily abandon the uneconomic San Andres zone. The Warren Unit # 132 has good Seven Rivers reservoir development existing behind pipe as indicated on the attached open hole porosity logs. Good reservoir continuity is also evident between the Warren Unit # 132 well and the offset Warren Unit # 127 Seven Rivers gas well located in Section 28, T-20-S, R-38-E, 330' FSL & 660' FEL in the SE ¼, NSL Order # 3971. The Warren Unit # 132 wellbore is in good condition. Recompleting this well would take advantage of an existing wellbore and eliminate the necessity of drilling a new wellbore to access the Seven Rivers reserves.

The Warren Unit #132 wellbore encroaches to the interior north and east SW 1/4 section lines of Section 28 of the Conoco operated Warren Unit. There was an Initial Warren Unit Eumont Participating Area established based on the commerciality of the Warren Unit # 127 in the Warren Seven Rivers gas pool. Upon the proposed completion of the Warren Unit #132, the Initial Eumont Participating area will be expanded to include the 160-acre proration unit of the Warren Unit # 132. Exxon is the only offset operator, NE ¼, ¼ Section 32. Please see attached evidence that they have been sent a copy of this application by certified mail.

In order to prevent waste, Conoco respectfully requests your approval of this nonstandard location application for the Warren Unit # 132. If you have any additional questions regarding this application please contact me at (915) 686-5798.

Sincerely,

  
Kay Maddox  
Regulatory Agent - Conoco

CC: New Mexico Oil Conservation Division - Hobbs

District 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

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

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

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-33485		2 Pool Code 96812		3 Pool Name Warren Seven Rivers Gas ( 96812)	
4 Property Code 003122		5 Property Name Warren Unit			6 Well Number #132
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 3524

10 Surface Location

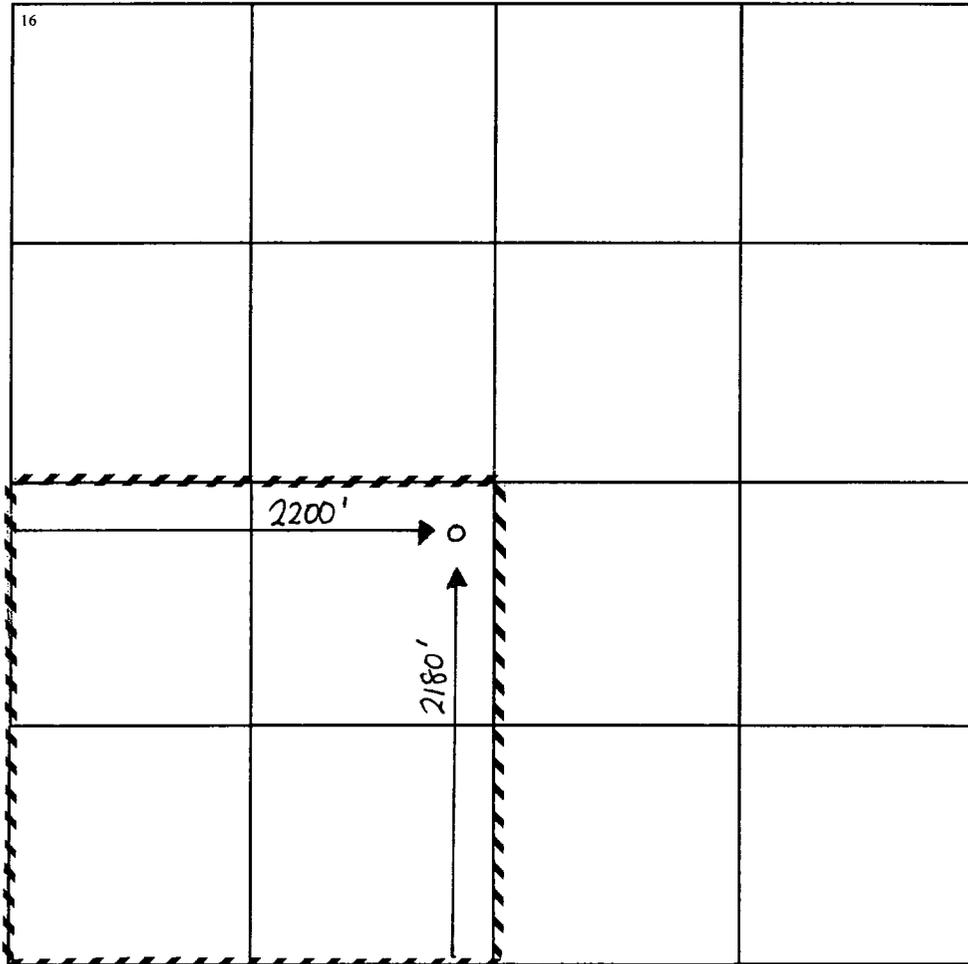
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	28	20S	38E		2180	South	2200	West	Lea

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 160	13 Joint or Infil	14 Consolidation Code	15 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**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Kay Maddox*  
Signature  
Kay Maddox

Printed Name  
Regulatory Agent

Title  
Regulatory Agent

Date  
April 6, 2001

Date

**18 SURVEYOR CERTIFICATION**

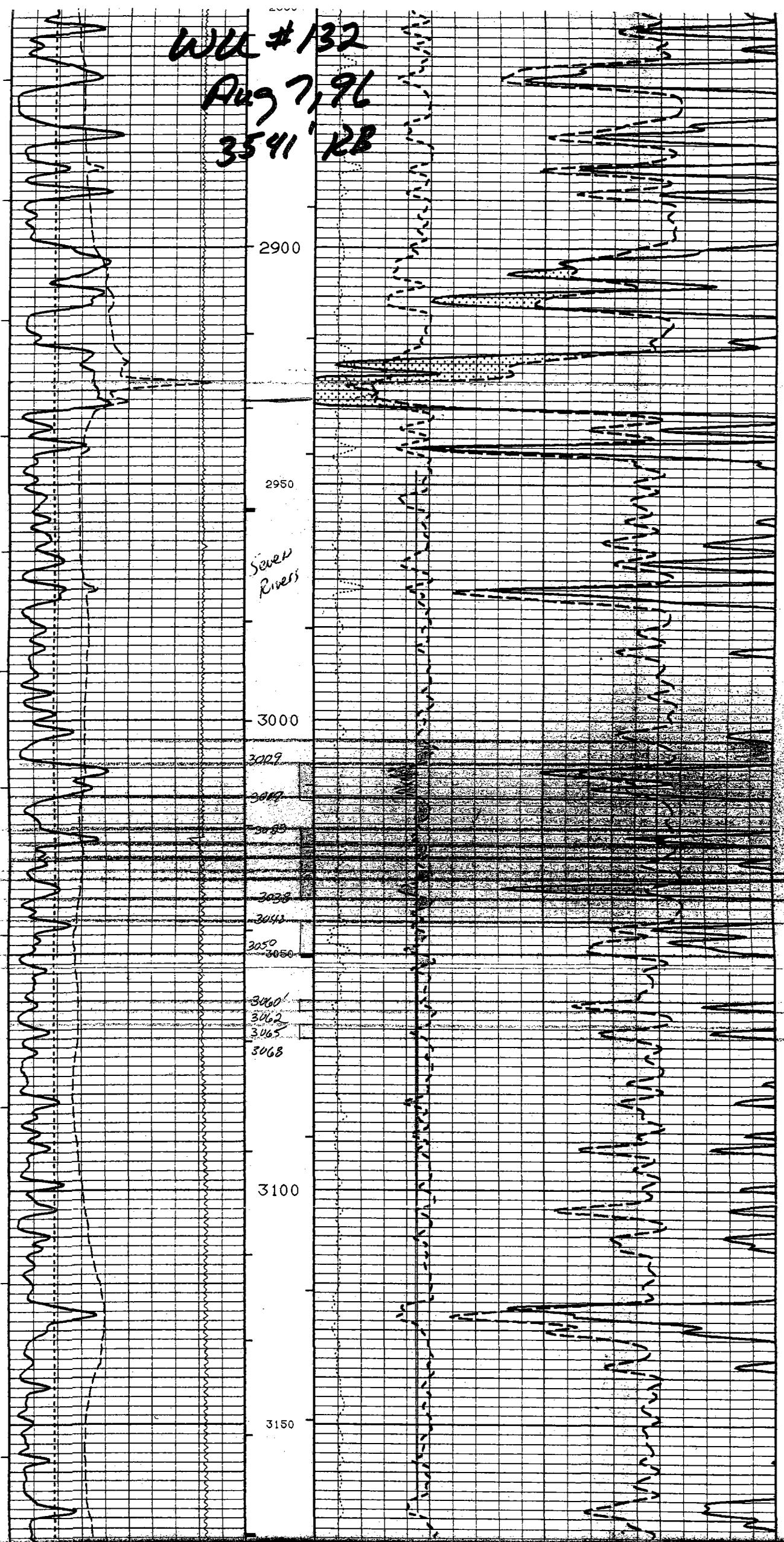
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

WU # 132  
Aug 7, 96  
3541' RB



2900  
2950  
Sewer Rivers  
3000  
3028  
3019  
3015  
3038  
3042  
3050  
3050  
3060  
3062  
3065  
3068  
3100  
3150

WARREN UNIT BOUNDARY

BLINEBRY-TUBB PARTICIPATION AREA  
2nd AMENDMENT

LOWER YESO - LEONARD DRINKARD P/A  
3rd ENLARGEMENT

SIMPSON - MCKEE SAND ZONE P/A  
4th ENLARGEMENT

BLINEBRY PARTICIPATION AREA  
AFTER 24th AMENDMENT

GRAYBURG / SAN ANDRES P/A  
1st ENLARGEMENT

INITIAL EUMONT PA



DATE: 6/7/00

DRAWN BY: glg

CHECKED BY:

APPROVED BY:

SCALE: 1" = 2640'

STATE PLANE COORDINATES REFERRED TO

NAD27 - NEW MEXICO EAST

STATE PLANE COORDINATES

ZONE - 3001

**conoco** EPNGNA  
MIDLAND DIVISION

WARREN UNIT

LEA COUNTY  
NEW MEXICO

STATE AP COUNTY DRAWING  
30 \ 025 WARR-UNT

CONOCO INC. OFFICE  
10 DESTA DRIVE WEST  
MIDLAND, TEXAS 79705

April 6, 2001

Notification to Offset operator of :

**Administrative Application for Nonstandard Location Warren Seven Rivers (96812) pool**

Warren Unit # 132  
Section 28, T-20-S, R-38-E, K  
2180' FSL & 2200' FWL  
API # 30-025-33485  
Warren Seven Rivers Recomplete  
Lea County, New Mexico

Z 740 467 739



**Receipt for  
Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to		Exxon Exploration
Street and No.		233 Ben Mar
P.O., State and ZIP Code		Houston, TX 77060-2544
Postage		\$
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt Showing to Whom & Date Delivered		
Return Receipt Showing to Whom, Date, and Addressee's Address		
TOTAL Postage & Fees		\$
Postmark or Date		

PS Form 3800, March 1993

**PI/Dwights PLUS on CD Scout Ticket**

Date: 4/5/2001  
Time: 12:21 PM

**132 WARREN UNIT**

State: NEW MEXICO  
County: LEA  
Operator: CONOCO INCORPORATED  
API: 30025334850000 IC: 300257028796  
Initial Class: D  
Target Objective: OIL  
Final Well Class: DO  
Status: OIL  
Field: WARREN  
Permit: on MAY 10, 1996

Abandonment Date:  
Projected TD: 4650 Formation: SAN ANDRES D  
Hole Direction: VERTICAL  
IP Summary: Oil Gas Water Top Form  
85 BPD 188 MCFD 258 BBL GRAYBURG

**Location**

Section, Twp., Range: 28 20 S 38 E  
Spot Code:  
Footage NS, EW: 2180 ~~FWL~~ 2200 FWL CONGRESS SECTION  
Surface remark:  
Principal Meridian: NEW MEXICO

Lat/Long: 32.5425600 / -103.1545300 TS

PBHL:

PHBL remark:

ABHL:

ABHL remark:

ABHL:

Location Narrative:

From Surface: TVD:  
Type Remark  
LOCATION 6 MI S NADINE, NM

**Dates and Depths**

Spud: JUL 31, 1996 Spud Date Code:  
TD: 4650 on  
LTD:  
PlugBack Depth: 4596  
Completed: OCT 17, 1996  
Formation @ TD: 453SADR Name: SAN ANDRES D  
Ref. Elevation:  
KB. Elevation:  
Ground Elevation: 3530 GR  
Contractor: CAPSTAR  
Rig Release Date: Rig # 8

**IP # 001**

Top Formation: GRAYBURG  
Base Formation: SAN ANDRES D  
Oil: 85 BPD Condst:  
Gas: 188 MCFD Water: 258 BBL  
Interval: 4000 - 4566 GROSS Method: PUMPING  
Duration of Test: 24 Hours Choke:  
Oil: Gravity: 39 GOR: 2212  
Prod Method: PERF  
Completed: O  
Perforations: Interval Cnt Type Shots/Ft Top Formation  
4000 - 4030 1 FT 453GRBG GRAYBURG  
4040 - 4050 1 FT 453GRBG GRAYBURG

**PI/Dwights PLUS on CD Scout Ticket**

Date: 4/5/2001  
Time: 12:21 PM

4064 -	4084	1 FT	453SADR	SAN ANDRES D
4478 -	4488	1 FT	453SADR	SAN ANDRES D
4512 -	4532	1 FT	453SADR	SAN ANDRES D
4556 -	4566	1 FT	453SADR	SAN ANDRES D

Treatments: 1 Interval: 4478 - 4566  
 Fluid: 34000 GAL FRAC Type: W  
 Additive:  
 Prop Agent: SAND 106000 LB  
 Formation Break Down Pressure:  
 Average Injection Rate:  
 Stages: Remarks: SWFR:ORIG TREATMENT CD

Treatments: 2 Interval: 4000 - 4084  
 Fluid: 2000 GAL ACID Type: A  
 Additive:  
 Prop Agent:  
 Formation Break Down Pressure:  
 Average Injection Rate:  
 Stages: Remarks: ACID:ORIG TREATMENT CD

Treatments: 3 Interval: 4000 - 4084  
 Fluid: 26000 GAL FRAC Type: W  
 Additive:  
 Prop Agent: SAND 80000 LB  
 Formation Break Down Pressure:  
 Average Injection Rate:  
 Stages: Remarks: SWFR:ORIG TREATMENT CD

Remarks on IP Test # 001 COMMINGLED 15% NEFE

**Casing, Liner, Tubing**

Casing	8 5/8 IN @	450 w/	350 sx
Casing	5 1/2 IN @	4650 w/	780 sx
Tubing	2 7/8 IN	@	4290 TUBING

**Drilling Journal**

Narrative: AUG 01, 1996 DRLG 530  
 Narrative: AUG 09, 1996 4650 TD, WOCT  
 Narrative: SEP 27, 1996 4650 TD, PB 4596, TSTG

**Formations and Logs**

Log # 1	GR @	-						
Log # 2	CCL @	-						
Top Formation	Measured	Top	Base	Base	Source	Lith-	Age	
	Depth	TVD	Depth	TVD		ology	code	
YATES	2672				LOG		453	
SEVEN RIVERS	2933				LOG		453	
QUEEN	3499				LOG		453	
PENROSE /PENROSE-SKELLY	3650				LOG		453	
GRAYBURG	3848				LOG		453	
SAN ANDRES D	4058				LOG		453	

**Dwights Energydata Narrative**

Accumulated through 1997

IP: (Grayburg/San Andres 4000-4566) P 85 BOPD grav 39; 188 MCFGPD; 258 BWPD  
 Perfs: 4478-4566 (lwr San Andres )  
 Perfs: w/1 SPF @ 4478-4488, 4512, 4532, 4556-4566 - frac w/34000 gal Spectra

**PI/Dwights PLUS on CD Scout Ticket**

Date: 4/5/2001  
Time: 12:21 PM

**Dwights Energydata Narrative**

Perfs: G3500 94000# 16/30 sd 18000# 16/30 resin coated sd  
Perfs: 4000-4084 (Grayburg/upr San Andres )  
Perfs: w/1 SPF @ 4000-4030, 4040-4050, 4064-4084 - acid w/2000 gal 15% NEFe  
Perfs: HCl - frac w/26000 gal Spectra G3500 60000# 16/30 sd 16000# resin  
Perfs: coated sd  
Dwights number: T4763430

**Operator Address**

Street or PO Box:

City:

State, Zip: ,

Country:

Phone:

Fax:

E-Mail:

Agent Name:

Agent Code:

Agent Remark: JERRY HOOVER;SR CONS COORD;;;;;;

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**OPERATOR'S COPY**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
**CONOCO INC.**

3. Address and Telephone No.  
**10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424**

4. Location of Well (Footage, Sec., T. R. M. or Survey Description)  
**Section 28, T-20-S, R-38-E, ~~N~~ K  
 2180' FNL & 2200' FWL  
 S**

5. Lease Designation and Serial No.  
**LC 031695B**

6. If Indian, Allinee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Warren Unit #132**

9. API Well No.  
**30-025-33485**

10. Field and Pool, or Exploratory Area  
**Warren Seven Rivers (96812)**

11. County or Parish, State  
**Lea Co., NM**

**CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Repon <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracrunng <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Repon results of multiple completion Well Completion or Recompletion Report and Log form.)</small>

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.)\*

Conoco proposes to recomplete this well to the Seven Rivers using the following procedure:

- MIRU. POOH with pumping equipment.
- RIH with RBP and set at approximately 3,700'. (San Andres will be evaluated at a future date)
- Selectively perforate the Seven Rivers as follows at 1 SPF from 3,009 -3,068'.
- Acidize with 3,500 gals 15% HCL, diverting with 45 ball sealers. Pump in at 5-8 BPM.
- Correlate all perfs to BPB Comp Photo Density/CNL log dated Aug. 7, 1996.
- Test the Seven Rivers for productivity.
- Notify area operator. Report production volumes, fluid levels, and pressures during a 2-3 week period.

14. I hereby certify that the foregoing is true and correct

Signed Kay Maddox Title - Regulatory Agent (915) 686-5798 Date February 27, 2001

(This space for Federal or State office use)

Approved by Alexis C. Swaboda Title PETROLEUM ENGINEER Date MAR 6 2001  
 Conditions of approval if any:

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

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.

\*See Instruction on Reverse Side

KEE

W.D. BURGER  
LC-031670 (B)

018642

018642

018642

WARREN UNIT

W.D. BURGER  
LC-031670 (B)

20

018642

W.D. BURGER  
LC-031670 (B)

018642

21

032310

WU #28

WU #77

WU #78

WU #81

WU #27

WU #63

WU #62

WU #61

WU #43

W.D. BURGER  
LC-031670 (B)

WU #419

W.D. BURGER  
LC-031670 (B)

C.M. CONE  
LC-061983

W.D.  
LC-1

WU #128

WU #51

WU #7

32°33' N  
103°10' W

WU #50

WU #114

WU #10

WU #116

32°33' N  
103°08' W

WU #98

WU #36  
BURGER

WU #123

W.D. BURGER  
LC-031670 (B)

019406

WU #47

W.D. BURGER  
LC-031670 (B)

019406

W.D.  
LC-1

WU #23

WU #115

WU #94

WU #133

WU #112

WU #111

WU #9

WARREN UNIT  
BATTERY 5

29

28

WU #22

WU #3

WU #52

WU #117

WU #140

WU #35

WU #132

WU #108

WU #8

WU #96

WU #131

WU #122

WU #110

WU #30

WU #138

WU #308

WU #25

WU #86

BHL #128

WU #118

WU #119

WU #113

WU #100  
GLORIETTA

WU #95

WU #26

WU #41

D.M. WARREN  
LC-031695 (B)

WU #24 SW

D.M. WARREN  
LC-031695 (B)

019406

D.M. W  
LC-031

WU #84

WU #21

WU #99

WU #29

WU #130

WU #97

WU #34

32°32' N  
103°10' W

WU #91

WU #212

WU #19

WU #213

WU #214

W

WU #80

WU #18

WARREN UNIT  
BATTERY 1

90

WU #38

32

33

WU #209

WU #208

WU #207

WU #76

WU #17

WU #18

WU #75

WU #202

WU #203

WU #204

WU #93

WU #16

WU #15

WU #14

WU #12

Exxon  
HBP

D.M. WARREN



CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

04/30/01 13:35:11  
OGOMES -TQLN  
PAGE NO: 1

Sec : 28 Twp : 20S Rng : 38E Section Type : NORMAL

D 40.00  Federal owned  A	C 40.00  Federal owned  A	B 40.00  Federal owned  A	A 40.00  Federal owned  A
E 40.00  Federal owned  A A	F 40.00  Federal owned  A A	G 40.00  Federal owned  A A	H 40.00  Federal owned  A A

PF01 HELP    PF02            PF03 EXIT    PF04 GoTo    PF05            PF06  
PF07 BKWD   PF08 FWD      PF09 PRINT   PF10 SDIV     PF11            PF12

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

04/30/01 13:35:14  
OGOMES -TQLN  
PAGE NO: 2

Sec : 28 Twp : 20S Rng : 38E Section Type : NORMAL

L 40.00	K 40.00	J 40.00	I 40.00
Federal owned	Federal owned	Federal owned	Federal owned
A C	A A	A A	A A
M 40.00	N 40.00	O 40.00	P 40.00
Federal owned	Federal owned	Federal owned	Federal owned
A	A	A A	A A C A

PF01 HELP    PF02            PF03 EXIT    PF04 GoTo    PF05            PF06  
PF07 BKWD   PF08 FWD      PF09 PRINT   PF10 SDIV     PF11            PF12

CMD : ONGARD 04/30/01 13:36:21  
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TQLN

API Well No : 30 25 33485 Eff Date : 10-03-1996 WC Status : A  
Pool Idn : 96343 WARREN;GRAYBURG-SAN ANDRES  
OGRID Idn : 5073 CONOCO INC  
Prop Idn : 3122 WARREN UNIT

Well No : 132  
GL Elevation: 3530

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: K	28	20S	38E	FTG 2180 F S	FTG 2200 F W	A

Lot Identifier:

Dedicated Acre: 40.00

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

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

Energy, Minerals & Natural Resources Department

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

Revised October 18, 1994  
 Instructions on back:  
 Submit to Appropriate District Office  
 5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1. Operator name and Address Conoco Inc. 10 Desta Dr. Ste 100W Midland, Tx. 79705-4500		2 OGRID Number 005073
		3 Reason for Filling Code **See colum 22 & 24 for reason
4 API Number 30-0 25-33485	5 Pool Name Warren Grayburg San Andres	6. Pool Code 96343
7. Property Code 003122	8 Property Name Warren Unit	9 Well Number 132

II. Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
K	28	20S	38E		2180	South North	2200	West	Lea

11 Bottom Hole Location

UL or Lot	Section	Township	Range	Lot. Idn.	Feet from the	North/South Line	Feet from the	East/West Line	county

12 Lse Code F	13. Producing Method Code P	14. Gas Connection Date	15. C-129 Permit Number	16. C-129 Effective Date	17. C-12b Expiration Date
------------------	--------------------------------	-------------------------	-------------------------	--------------------------	---------------------------

III. Oil and Gas Transporters

18 Transporter OGRID	19. Transporter Name and Address	20 POD	21. O/G	22. POD ULSTR Location and Description
		0774110	O	** Correct Oil POD effective 10-96. This will match our reporting. The current transporter is 20667
		2813902	G	** Correct Gas POD effective 1-97. This will match our reporting. The current transporter is 24650

IV. Produced Water

23 POD 0774150	24. POD ULSTR Location and Description ** Correct water POD effective 10-96. This will match our reporting.
-------------------	--

V. Well Completion Data

25 Spud Date	26 Rea dy Date	27. TD	28 PBTD	29 Perforations	DHC,DC,MC
30. Hole Size	31. Casing & Tubing Size	32 Depth Set	33. Sacks Cement		

VI. Well Test Data

34 Date New Oil	35. Gas Delivery Date	36. Test Date	37. Test Length	38. Tbg. Pressure	39. Csg. Pressure
40. Choke Size	41. Oil	42. Water	43. Gas	44. AOF	45. Test Method

[ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief

Signature: *Bill R. Keathly*

Printed name: Bill R. Keathly

Title Sr. Regulatory Specialist

Date \_\_\_\_\_ Phone (915) 686-5424

OIL CONSERVATION DIVISION

Approved by *Chris Williams*

Title DISTRICT SUPERVISOR

Approval Date: FEB 18 1999

47. If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
-----------------------------	--------------	-------	------

PG Box 1980, Hobbs, NM 88241-1980  
 District II  
 PO Drawer DD, Artesia, NM 88211-0719  
 District III  
 1000 Rio Bruzos Rd. Aztec, NM 87410  
 District IV  
 PO Box 2088, Santa Fe NM 87504-2088

Energy, Minerals & Natural Resources Department

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

Revised October 18, 1994  
 Instructions on back:  
 Submit to Appropriate District Office  
 5 Copies

AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

1. Operator name and Address Conoco Inc. 10 Desta Dr. Ste 100W Midland, Tx. 79705-4500		2 OGRID Number 005073
		3 Reason for Filling Code CG (Effective 7-1-98)
4 API Number 30-0 25-33485	5 Pool Name Warren Grayburg San Andres	6. Pool Code 96343
7. Property Code 003122	8 Property Name Warren Unit	9 Well Number 132

**II. Surface Location**

UL or lot. no	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
KF	28	20S	38E		2180	South North	2200	West	Lea

**11 Bottom Hole Location**

UL or Lot	Section	Township	Range	Lot. Idn.	Feet from the	North/South Line	Feet from the	East/West Line	county
12 Lse Code F	13. Producing Method Code P	14. Gas Connection Date		15. C-129 Permit Number		16. C-129 Effective Date		17. C-12b Expiration Date	

**III. Oil and Gas Transporters**

18 Transporter OGRID	19. Transporter Name and Address	20 POD	21. O/G	22. POD ULSTR Location and Description
026450	Dynegry Midstream Services 6 Desta Drive, Suite 3300 Midland, Tx. 79705	2813795	G	K 28 20S 38E

**IV. Produced Water**

23 POD	24. POD ULSTR Location and Description

**V. Well Completion Data**

25 Spud Date	26 Rea dy Date	27. TD	28 PBTD	29 Perforations	DHC,DC,MC
30 Hole Size	31. Casing & Tubing Size	32 Depth Set	33. Sacks Cement		

**VI. Well Test Data**

34 Date New Oil	35. Gas Delivery Date	36. Test Date	37. Test Length	38. Tbg. Pressure	39. Csg. Pressure
40. Choke Size	41. Oil	42. Water	43. Gas	44. AOF	45. Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief

Signature: *Bill R. Keathly*

Printed name: Bill R. Keathly

Title Sr. Regulatory Specialist

Date 9-11-98

Phone (915) 686-5424

**OIL CONSERVATION DIVISION**

Approved by *Chris Williams*

Title DISTRICT I SUPERVISOR

Approval Date: 005 22 1998

47. If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

N.M. Oil Cont.  
P.C. 1980  
Hobbs, NM 88241

Form 3 160-5  
June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.  
**LC 031695B**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
**Warren Unit, Well #132**

9. API Well No.  
**30-025-33485**

10. Field and Pool, or Exploratory Area  
**Warren Grayburg San Andres**

11. County or Parish, State  
**Lea, NM**

**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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**CONOCO INC  
CONOCO INC.**

3. Address and Telephone No.  
**10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424**

4. Location of Well (Footage, Sec., T. R. M. or Survey Description)  
**2180' FAL & 2200' FWL, Sec. 28, T 20S, R 38E, Unit Ltr 'K'**

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Repon	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>OO &amp; GO #7 III.A</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracrunng
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

Note: Report results of multiple completion 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.)\*

Water Producing Formation: **Warren Grayburg San Andres**  
 Amount of Water Produced: **76 bpd**  
 Current Water Analysis Attached: **Yes**  
 How is Water Stored on Lease: **400 bbl Tank (above ground)**  
 How is Water Moved: **By Transfer Pump**  
 Disposal Facility Operator Name: **Conoco Inc**  
 Disposal Facility Well Name / No.: **SEMU Well # 95, Unit J, Sec.23, T 20S, R 37E**  
 MOCD SWD Permit #: **R-9327**

Your approval of this method of disposal is respectfully requested.

RECEIVED  
 1998 MAR 17 P 1:41  
 BUREAU OF LAND MGMT.  
 DUNSMITH, NEW MEXICO

14. I hereby certify that the foregoing is true and correct

Signature: *Bill R. Keathly* Title: **Bill R. Keathly Sr. Regulatory Specialist** Date: **3-16-98**

(This space for Federal or State office use)

Approved by: **(ORIG. SGD.) ALEXIS C SWOBODA** Title: **PETROLEUM ENGINEER** Date: **MAR 16 1998**

Conditions of approval if any:

**Saturation Index Calculations**  
Champion Technologies, Inc.  
(Based on the Tomson-Oddo Model)

**Site Information**

Company	Conoco
Field	Warren Unit
Point	#132
Date	2/26/98

**Water Analysis (mg/L)**

Calcium	1,122
Magnesium	388
Barium	0
Strontium	0
Sodium*	4268
Bicarbonate Alkalinity	1,561
Sulfate	3,781
Chloride	6,000

**Appended Data**

Dissolved CO2	526 mg/L	Well head pH	6.81 value
Dissolved O2	N/A PPM		
H2S	359 mg/L		
Iron	1.0 mg/L		
Resistivity	N/A value		
Specific Gravity	1.012 value		
TDS	17140 mg/L		
Total Hardness	4400 mg/L		

\* - Calculated Value

**Physical Properties**

Ionic Strength*	0.36
pH*	6.25
Temperature	100°F
Pressure	100 psia

\* - Calculated Value

**Calcite Calculation Information**

<i>Calculation Method</i>	<i>Value</i>
CO2 in Brine	526 mg/L
<hr/>	
<i>Bicarbonate Alkalinity Correction(s)</i>	<i>Value</i>
None Used	---

**SI & PTB Results**

<i>Scale Type</i>	<i>SI</i>	<i>PTB</i>
Calcite (Calcium Carbonate)	0.21	140.1
Gypsum (Calcium Sulfate)	-0.20	N/A
Hemihydrate (Calcium Sulfate)	-0.10	N/A
Anhydrite (Calcium Sulfate)	-0.37	N/A
Barite (Barium Sulfate)	N/A	N/A
Celestite (Strontium Sulfate)	N/A	N/A

District I  
 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

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

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1. Operator name and Address Conoco Inc. 10 Desta Dr. Ste 100W Midland, Tx. 79705-4500		2. OGRID Number 005073	
4. API Number 30-0 25-33485		5. Pool Name WARREN SAN ANDRES	
7. Property Code 003122		8. Property Name WARREN UNIT	
6. Pool Code 96343		9. Well Number 132	
3. Reason for Filling Code CORR. POD NUMBER (EFF 11-1-96)			

II. Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
B/K	28	20S	38E		2180	NORTH	2200	WEST	LEA

11 Bottom Hole Location

UL or Lot	Section	Township	Range	Lot. Idn.	Feet from the	North/South Line	Feet from the	East/West Line	county
12 Lse Code F	13. Producing Method Code P	14. Gas Connection Date 10-4-96	15. C-129 Permit Number	16. C-129 Effective Date	17. C-12b Expiration Date				

III. Oil and Gas Transporters

18 Transporter OGRID	19. Transporter Name and Address	20. POD	21. O/G	22. POD ULSTR Location and Description
020667	SHELL PIPELINE CORP P.O. BOX 1910 MIDLAND, TX. 79702	2818079	O	27 20S 38E L
024650	WARREN PETROLEUM CORP P.O. BOX 67 MONUMENT, NEW MEXICO 88265	2813795	G	28 20S 38E F

IV. Produced Water

23. POD	24. POD ULSTR Location and Description
2818080	27 20S 38E L

V. Well Completion Data

25 Spud Date	26 Ready Date	27. TD	28 PBTD	29 Perforations
30. Hole Size	31. Casing & Tubing Size	32. Depth Set	33. Sacks Cement	

VI. Well Test Data

34. Date New Oil	35. Gas Delivery Date	36. Test Date	37. Test Length	38. Tbg. Pressure	39. Csg. Pressure
40. Choke Size	41. Oil	42. Water	43. Gas	44. AOF	45. Test Method

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief

Signature: *Bill R. Keathly*

Printed name: Bill R. Keathly

Title: Sr. Regulatory Specialist

Date: 11-20-96

Phone: (915) 686-5424

OIL CONSERVATION DIVISION

Approved by: *[Signature]*

Title: District Engineer

Approval Date: NOV 22 1996

47. If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

Conoco Inc.  
10 Desta Drive West  
Midland, TX 79705

Warren Unit #132  
Lea Co.

Unit <sup>K</sup> F

28-20s-38e

2180/W<sup>S</sup> & 2200/W  
30-025-33485

950	9.50	3/4	1.31	12.47	12.47
1450	5.00	3/4	1.31	6.56	19.03
1950	5.00	3/4	1.31	6.56	25.59
2213	2.63	1 3/4	3.06	8.05	33.65
2460	2.47	3 1/2	6.13	15.13	48.78
2610	1.50	2 3/4	4.81	7.22	56.00
2956	3.46	2	3.50	12.11	68.11
3200	2.44	1 1/2	2.63	6.41	74.51
3700	5.00	1	1.75	8.75	83.26
4200	5.00	1 1/4	2.19	10.94	94.20
4650	4.50	2	3.50	15.75	109.95

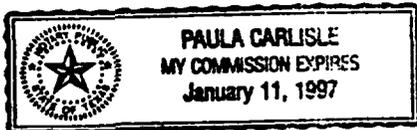
Belinda M. Howard

Belinda M. Howard - Administrative Assistant

The attached instrument was acknowledged before me on the 14<sup>th</sup> day of Aug, 1996 by Belinda M. Howard - Administrative Assistant, Brazeal Inc. d/b/a CapStar Drilling.

Paula Carlisle

Notary Public



LC031695B

Warren Unit  
132

30 025 33485

Warren San Andres

Lea County, NM

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  INJECTION Other

2. Name of Operator

CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE 100, MIDLAND, TX 79705 (915) 688-5424, 684-6381

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SURFACE: 2180 FWL & 2200' FWL  
TD: Sec 28, T20S, R38E

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  Change of Plans  
 Recompletion  New Construction  
 Plugging Back  Non-Routine Fracturing  
 Casing Repair  Water Shut-Off  
 Altering Casing  Conversion to Injection  
 OTHER: Spud & set casings  Dispose Water

(Note: 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.)

7-31-86: Well spudded. Drilled to TD of 450'. Ran 450', 8 5/8", 23#, M-50 casing. Cemented with 250 sx Cl C + 4% gel + 2% CAC12 + 2/10% SMS, tailed with 100 sx Cl C + 2% CaCl2. Circulated 45 sx to pit. WOC, tested 250-1500# helic 1/4" hole.

8-8-86: Reached TD of 4650', ran logs. Ran 5 1/2", 15.5#, K-55 casing to 4650'. Cemented with 300 sx Cl C + 16% gel + 3% salt + 3/10% CD-32 + 3/10% SMS, tailed with 480 sx Cl C + 1.1% FL-62 + 3% salt + 2% BA-90 + 3/10% CD-32 + 2/10% SMS. circulated 48 sx to pit. Rig released.



ACCEPTED

SEP 30 1986

*act*

14. I hereby certify that the foregoing is true and correct.

Signed

*Ann E. Ritchie*

Title

Ann E. Ritchie  
REGULATORY AGENT

Date 8-28-86

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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.

\*See instruction on Reverse Side

UNI  
DEPARTMENT  
BUREAU OF

PROPERTY NO. 3122

actions on  
**MEXICAN COMMISSION**

POOL CODE 96343

780

8. LEASE DESIGNATION AND SERIAL NO.

EFF. DATE 6/14/96

**MEXICO**

L88240-95B

**APPLICATION FOR F**

1a. TYPE OF WORK

DRILL

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Conoco, Inc.

(915) 686-6548

3. ADDRESS AND TELEPHONE NO.

10 Desta Dr. Ste 100W, Midland, TX 79705

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface 2180' FML & 2200' FWL

At proposed prod. zone 2180' FML & 2200' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

4650'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3530'

22. APPROX. DATE WORK WILL START\*

6/15/96

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	420'	350 circulated
7-7/8"	5-1/2"	15.5#	4650'	935 circulated

It is proposed to drill a vertical wellbore through the San Andres according to the plan submitted in the following attachments:

- Well Location and Acreage Dedication Plat (C-102)
- Proposed Well Plan Outline.
- Surface Use Plan
- EXHIBIT A: Vicinity and Lease Road Maps
- EXHIBIT B: 7.5" Quadrangle Topo Map.
- EXHIBITS C.1 & C.2: Road and powerline right-of-ways.
- EXHIBIT D: Trailer-mounted rig layout
- BOP and Choke Manifold Specifications
- H2S Drilling Operations Plan
- Letter verifying negotiations with surface land owner.
- An archeological survey has been ordered and will be filed as soon as completed.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Jerry W. Brown

TITLE Sr. Conservation Coordinator

DATE 5/6/96

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereunder. CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY (ORIG. SGD.) RICHARD L. MANUS

TITLE Area Manager

DATE 6-10-96

\*See Instructions On Reverse Side

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Artec, 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-1  
Revised February 21, 19  
Instructions on ba  
Submit to Appropriate District Off  
State Lease - 4 Copi  
Fee Lease - 3 Copi

AMENDED REPOE

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-025- <u>33455</u>	'Pool Code 96343	'Pool Name Warren San Andres
'Property Code 003122	'Property Name WARREN UNIT	
'OGRID No. 005073	'Operator Name CONOCO, INC.	
		'Well Number 132
		'Elevation 3530'

<sup>10</sup> Surface Location

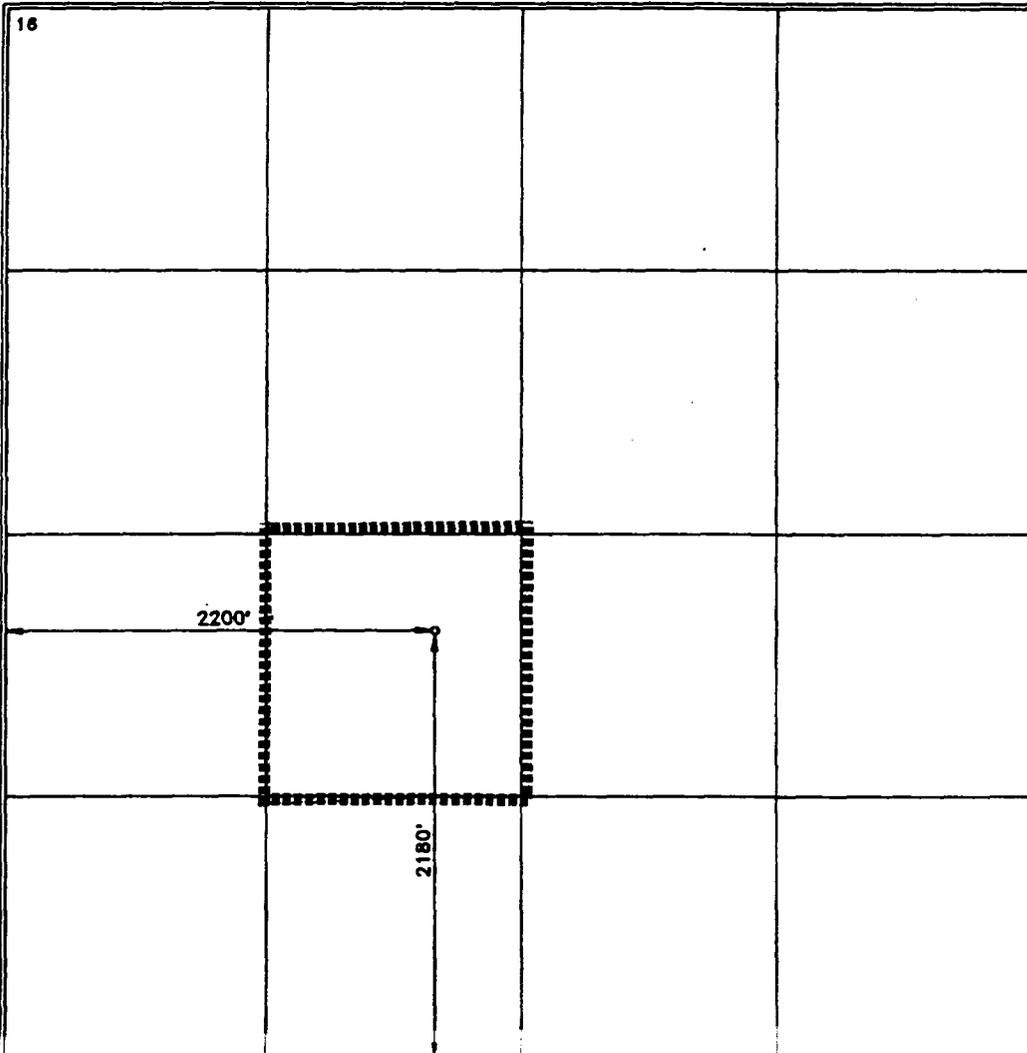
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	28	20-S	38-E		2180	SOUTH	2200	WEST	LEA

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

'Dedicated Acres 40	'Joint or Infill	'Consolidation Code	'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



<sup>17</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Jerry W. Hoover*  
Signature  
JERRY W. HOOVER  
Printed Name

SR. CONSERVATION COORDINATOR  
Title

5/7/96  
Date

Date

<sup>18</sup> 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 best of my belief.

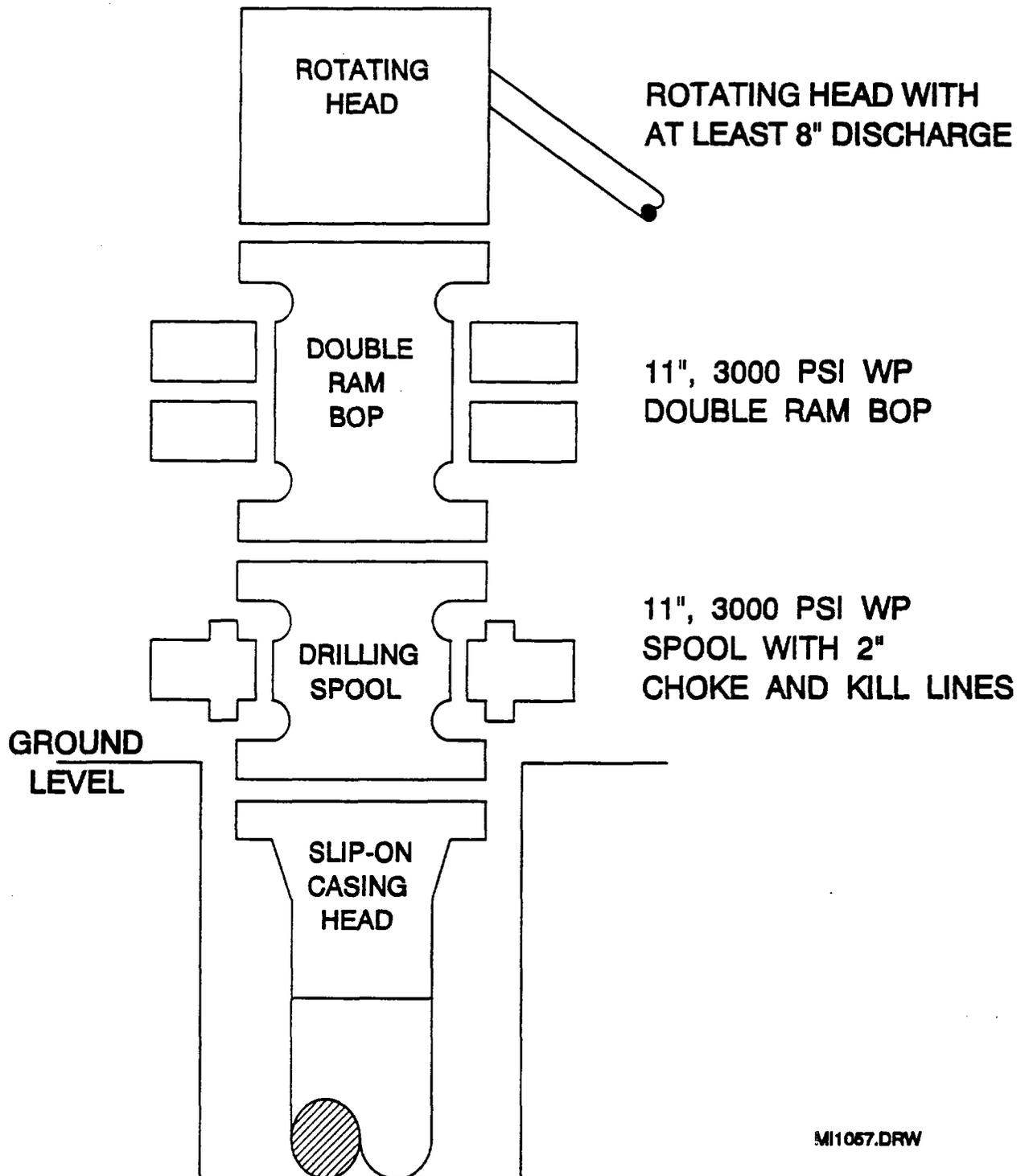
DECEMBER 8, 1995  
Date of Survey

Signature and Seal of Professional Surveyor

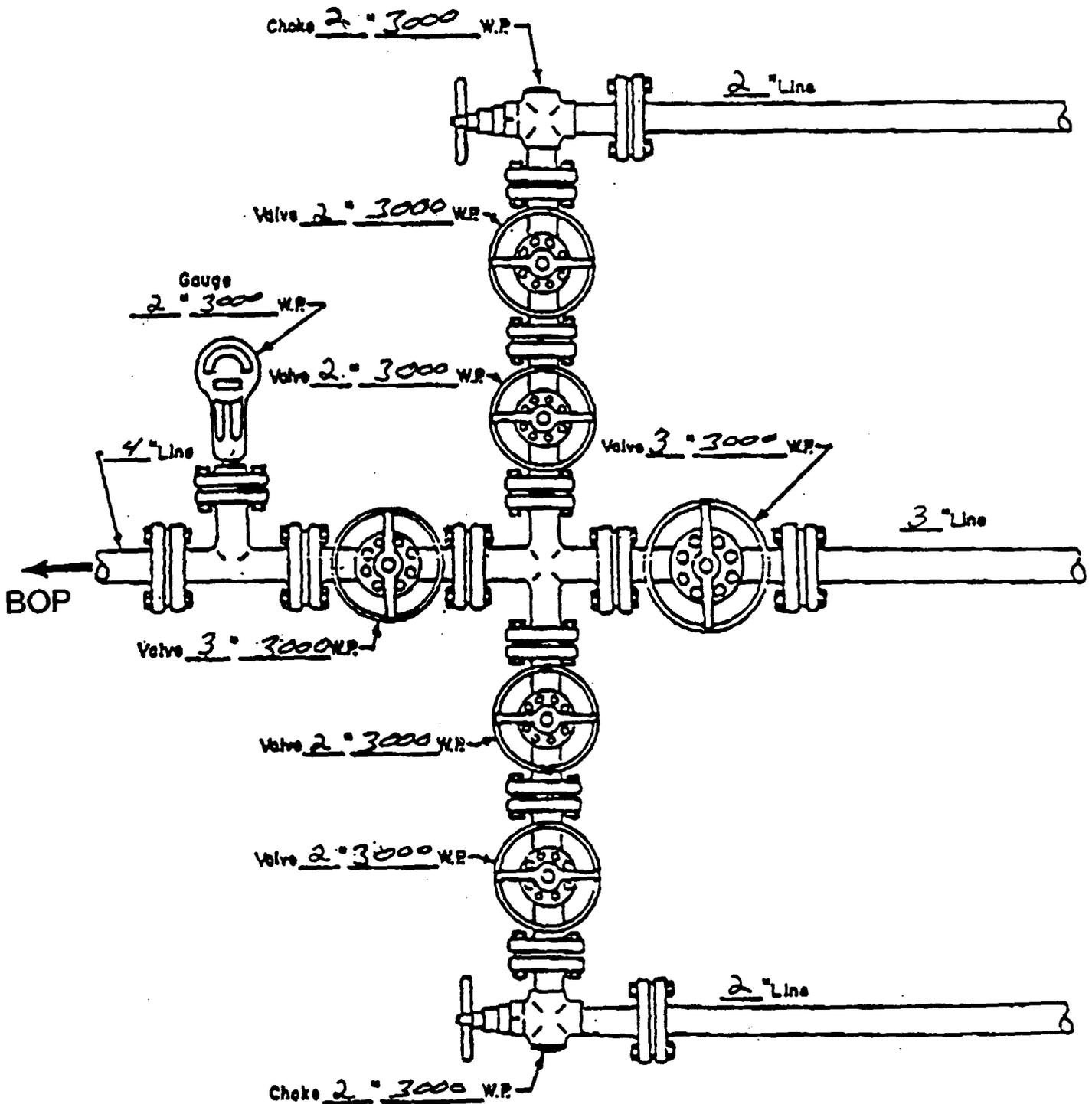
*Earl Foote*  
Signature and Seal of Professional Surveyor  
8278  
Certificate Number



# BOP SPECIFICATIONS



# CHOKE MANIFOLD DIAGRAM



MANIFOLD  
3000 #W.P.

- Manual
- Hydraulic

**WRS COMPLETION REPORT**

COMPLETIONS 357 18 TWP 205 RGE 38E  
 PI# 30-T-0029 11/21/96 33 33-85-0000 PAGE 1

NMEY LEA 218 FM 11 FRI SEC  
 CONOCO INC D DO  
 182 WARREN OIL  
 3570G1 WARREN  
 30-T-0029-33485-0000

11/17/1996 10/17/1996  
 4650 SM ANDRS CAPSTAR  
 DTD 4650 35 4650  
 LOCATION  
 6 1/2 S MADINE, NM

CASING 1  
 CS# 3 5 8 3 4650 W/ 150  
 CS# 5 1 2 3 4650 W/ 80

TUBING  
 TB# 2 7 8 AT 4290

INITIAL INITIAL  
 IPP 35BOPD 188 MCFD 24HRS  
 DEAYBURG PERFF W/ 4000-4057 GROSS  
 SN ANDRS PERFF W/ 4064-4525 GROSS  
 PERFF 4000- 4030 40-40- 4057  
 PERFF 4512- 4532 4536- 4556  
 SWEP 4478- 4566 3400CGALL 4058 GANE  
 ACID 4010- 4084 2000GALL  
 SWEP 4000- 4084 2500CGALL 4058 GANE  
 GIV 39.0 GCR 2212  
 COMINGLED

TYPE FORMATION LTH TOP DEP. P. ANE DEP. SUB  
 LCU YATES 2672  
 LCU SVM RVRS 2933

30-T-0029-33485-0000

CONOCO INC  
132 WARREN UNIT D DO

TYPE	FORMATION	LTH	TOP DEPTH	BT DEPTH	CB
LOG	QUEEN		3499		
LOG	PENROSE		3650		
LOG	GRAYBURG		3848		
LOG	SN ANDRS		4058		

SUBSEA MEASUREMENTS FROM DE

LOGS AND SCREENS  
LOGS GF

DRILLING PROGRESS DET.

CONOCO INC  
10 DESTA DR WEST  
MIDLAND, TX 79703  
915-686-5400  
05 10 LOC/1996/  
08 01 DRLG 530  
08 09 4650 TD, WOCT  
09 27 4650 TD, PB 4596  
11 29 FIG REL 08/08/96  
4650 TD, PB 4596  
COMP 10/17/96. 128  
BWP 138 MDPD. 258  
19. GCP 1211  
PROD ZONE - GRAYBURG SN ANDRES - 400-566  
CROSS UNMINGLED  
NO CORES OR TESTS

Form 3160-4  
(November 1983)  
(formerly 9-330)

**N.M. Oil Cons. Division**  
**UNITED STATES**  
**DEPARTMENT OF THE INTERIORS**  
**BUREAU OF LAND MANAGEMENT**

P.O. Box 1980  
 Santa Fe, NM 87501  
 NOV 7 1996  
 Form approved.  
 Budget Bureau No. 1004-0137  
 Expires August 31, 1985  
 LEASE DESIGNATION AND SERIAL NO.  
 LC 031695B

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Warren Unit  
Well #132

9. API WELL NO.

30 025 33485

10. FIELD AND POOL, OR WILDCAT

Warren San Andres

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 28, T20S, R38E

12. COUNTY OR PARISH

Lea

13. STATE

NM

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER   
 1b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  OTHER

2. NAME OF OPERATOR: CONOCO INC.

3. ADDRESS OF OPERATOR: 10 Desta Dr., Suite 100, Midland, TX 79705 (915) 684-6381 (915) 686-5424

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface: 2180 FNL & 2200 FWL  
 At top prod. interval reported below: -  
 At total depth: -

14. PERMIT NO. DATE ISSUED  
 6-10-96

15. Date Spudded: 7-31-96  
 16. Date T.D. Reached: 8-8-96  
 17. DATE COMPL. (Ready to prod.): 10-3-96  
 18. ELEVATIONS (DF, RKB, RT, GR, ETC.): 3530'

20. TOTAL DEPTH, MD & TVD: 4650'  
 21. PLUG, BACK T.D., MD & TVD: 4596'  
 22. IF MULTIPLE COMPL., HOW MANY\*  
 23. INTERVALS DRILLED BY  
 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD & TVD)\*  
 4478-4566', 1 spf - Lower San Andres  
 4000-4084', 1 spf - Grayburg & Upper San Andres

26. TYPE ELECTRIC AND OTHER LOGS RUN: GR/CCL

25. WAS DIRECTIONAL SURVEY MADE: NO  
 27. WAS WELL CORED: no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	Amount Pulled
8 5/8"	23#	450'	12 1/4"	350 ex CI C	NONE
5 1/2"	15.5#	4650'	7 7/8"	780 ex CI C	NONE

29. LINER RECORD

Size	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	4290'	

31. PERFORMANCE RECORD (Interval, size and number)

4478-88, 4512, 32, 56-66 - 1 spf  
 4000-30, 40-50, 64-84' - 1 spf

32. ACID, SHOT, FRAC., CEMENT SQUEEZE, Etc.

DEPTH INTERVAL (MD)	AMT. AND KIND OF MATERIAL USED
4478-4566'	34,000 gals Spectra G-3500
4000-4084'	94,000# 16/30 Sand & 18,000# 16/30 CR-4000 RCS
	2000 gal 15% NEFE HCL
	26,000 gals Spectra G-3500
	60,000# 16/30 sand & 16,000# 16/30 CR-4000 RCS

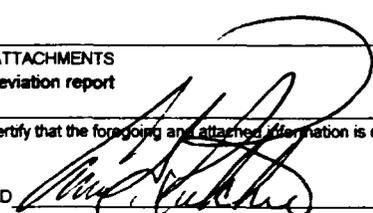
33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or PRODUCING)
10-4-96	pumping	PRODUCING
DATE OF TEST: 10-17-96	HOURS TESTED: 24	CHOKE SIZE
PROD'N. FOR TEST PERIOD: 85	OIL - BBL: 188	GAS - MCF: 258
WATER - BBL: 39	GAS-OIL RATIO: 2212	
FLOW TUBING PRESS: 197	CASING PRESSURE: 197	CALCULATED 24-HOUR RATE
OIL - BBL	GAS - MCF	WATER - BBL
		OIL GRAVITY-API (CORR.): 39

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): SALES  
 TEST WITNESSED BY

35. LIST OF ATTACHMENTS: Logs & deviation report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED:  TITLE: Ann E. Ritchie, Regulatory Agent DATE: 10-31-96

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

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.

DISTR: BLM(6) NMOC(1)

*acs*

Conoco, Inc.  
Warren Unit #132

37. SUMMARY 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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE V. RT. DEPTH
Seven Rivers	3370	3410	Dolomite	Yates	2672	869
Queen	3545	3560	Dolomite	Seven Rivers	2833	608
Grayburg	3850	3870	Dolomite	Queen	3498	42
Grayburg	4000	4058	Dolomite	Penrose	3650	-109
San Andres	4066	4390	Dolomite & LS	Grayburg	3848	-307
San Andres	4400	4628	Dolomite & LS	San Andres	4058	-517

KB 3341

38.

Conoco Inc.  
10 Desta Drive West  
Midland, TX 79705

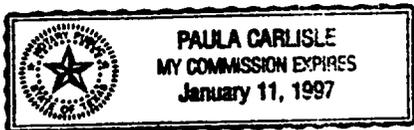
Warren Unit #132  
Lea Co.

950	9.50	3/4	1.31	12.47	12.47
1450	5.00	3/4	1.31	6.56	19.03
1950	5.00	3/4	1.31	6.56	25.59
2213	2.63	1 3/4	3.06	8.05	33.65
2460	2.47	3 1/2	6.13	15.13	48.78
2610	1.50	2 3/4	4.81	7.22	56.00
2956	3.46	2	3.50	12.11	68.11
3200	2.44	1 1/2	2.63	6.41	74.51
3700	5.00	1	1.75	8.75	83.26
4200	5.00	1 1/4	2.19	10.94	94.20
4650	4.50	2	3.50	15.75	109.95

Belinda M. Howard  
Belinda M. Howard - Administrative Assistant

The attached instrument was acknowledged before me on the 14<sup>th</sup> day of Aug, 1996 by Belinda M. Howard - Administrative Assistant, Brazeal Inc. d/b/a CapStar Drilling.

Paula Carlisle  
Notary Public



District I  
PO Box 1908, Hobbs, NM 88241-1908  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Bravo 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-104  
Revised February 10, 1994  
Instructions on back  
Submit to Appropriate District Office  
3 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Conoco, Inc. 10 Desta Drive, Suite 100W Midland, Texas 79705		OGRID Number 005073
		Reason for Filing Code NW
API Number 30-025-33485	Pool Name Warren San Andres	Pool Code 96343
Property Code 003122	Property Name Warren Unit	Well Number 132

II. Surface Location

UL or lot no.	Section	Township	Range	Lot/Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
7 R	28	20-S	38-E		2180	South North	2200	West	Lea

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot/Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
Lea Code F	Producing Method Code P	Gas Connection Date 10-4-96	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	OGC	POD ULSTR Location and Description
005108	Sentinel Transportation Co. 1214 N. Eastside Dr.-Bldg. A Wichita Falls, Texas 76304	0774110	O	Sec. 28, T-20-S, R-38-E
024650	Warren Petroleum Corp. P.O. Box 67 Monument, New Mexico 88265	2813795	G	Sec. 28, T-20-S, R-38-E

IV. Produced Water

POD	POD ULSTR Location and Description
0774150	Sec. 28, T-20-S, R-38-E

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations
7-31-96	10-3-96	4650'	4596'	4478 - 4566' 4000 - 4084'
Hole Size	Casing & Tubing Size	Depth Set	Seals Cement	
12-1/4"	8-5/8"	450'	350 sx C1 C	
7-7/8"	5-1/2"	4650'	780 sx C1 C	

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tr. Pressure	Cap. Pressure
10-4-96	10-4-96	10-17-96	24	197	197
Choke Size	Oil	Water	Gas	AOF	Test Method
-	85	258	188	-	-

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Ann E. Ritchie*

Printed name: Ann E. Ritchie (915) 684-6381

Title: Regulatory Agent

Date: 11-4-96 Phone: (915) 686-5424

OIL CONSERVATION DIVISION

Approved by: *Jerry S. [Signature]*

Title: *INDUSTRIAL ENGINEER*

Approval Date: NOV 08 1996

\* If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

NSL-4582



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON  
Governor  
Jennifer A. Salisbury  
Cabinet Secretary

4/26/01

Lori Wrotenbery  
Director  
Oil Conservation Division

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

RE: Proposed:  
MC \_\_\_\_\_  
DHC \_\_\_\_\_  
NSL   X   \_\_\_\_\_  
NSP \_\_\_\_\_  
SWD \_\_\_\_\_  
WFX \_\_\_\_\_  
PMX \_\_\_\_\_

Gentlemen:

I have examined the application for the:

Conoco Inc Warren Unit # 132-14 28-203-38e  
Operator Lease & Well No. Unit S-T-R API # 30.025-33485

and my recommendations are as follows:

Well is within Warren Unit  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

Chris Williams  
Supervisor, District 1