

## OCD-HOBBS

Form 3160-3  
(August 1999)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

## APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMLC031695B
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator CONOCO INCORPORATED		7. If Unit or CA Agreement, Name and No. NMNM71052X
Contact: VICKI WESTBY E-Mail: Vicki.R.Westby@conoco.com		8. Lease Name and Well No. WARREN UNIT BT 313
3a. Address 10 DESTA DRIVE WEST, SUITE 100 W. MIDLAND, TX 79705	3b. Phone No. (include area code) Ph: 915.686.5799 Ext: 5799	9. API Well No. 30-025-35810
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NESE 2600FSL 1200FEL I At proposed prod. zone		10. Field and Pool, or Exploratory WARREN, 132-74660+G
14. Distance in miles and direction from nearest town or post office*		11. Sec., T., R., M., or Blk. and Survey or Area Sec 27 T20S R38E Mer NMP
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 1920.00	12. County or Parish LEA
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 6950 MD	13. State NM
21. Elevations (Show whether DF, KB, RT, GL, etc.) 3551 GL	22. Approximate date work will start	17. Spacing Unit dedicated to this well 40.00
24. Attachments Lea County Controlled Water Basin		20. BLM/BIA Bond No. on file
25. Signature		23. Estimated duration

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name (Printed/Typed) VICKI WESTBY	Date 08/29/2001
Title AUTHORIZED SIGNATURE		
Approved by (Signature) /S/ JOE G. LARA	Name (Printed/Typed) /S/ JOE G. LARA	Date JAN 16 2002
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

**APPROVAL FOR 1 YEAR**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

Additional Operator Remarks (see next page)

Electronic Submission #6861 verified by the BLM Well Information System  
For CONOCO INCORPORATED, sent to the Hobbs  
Submitted to AFMSS for processing by Armando Lopez on 08/29/2001 (01AL0044AE)

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED**

\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED

OPER. OGRID NO. 5073  
PROPERTY NO. 3127  
POOL CODE 62965  
EFF. DATE 1-22-02  
API NO. 30-025-35810

# OCD-HOBBS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

## SUNDRY NOTICES AND REPORTS ON WELLS

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

1179

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC031695B
2. Name of Operator CONOCO INCORPORATED		6. If Indian, Allottee or Tribe Name
3a. Address 10 DESTA DRIVE WEST, SUITE 100 W. MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No. NMNM71052X
3b. Phone No. (include area code) Ph: 915.686.5565 Fx: 915.686.6503		8. Well Name and No. WARREN UNIT BT 313
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 27 T20S R38E NESE 2600FSL 1200FEL		9. API Well No.
		10. Field and Pool, or Exploratory WARREN
		11. County or Parish, and State LEA COUNTY, NM

### 12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

✓ Conoco Inc. requests the authorization to relocate the originally submitted well location.

Originally submitted location:  
NESE 2600' FSL - 1200' FEL, Section 27, T20S, R38E, Lea County, NM

✓ Requested staked location:  
NESE 2350' FSL - 1200' FEL, Section 27, T20S, R38E, Lea County, NM

Elevation will change from 3551' to 3553'.

Revised attachments following.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #7486 verified by the BLM Well Information System For CONOCO INCORPORATED, sent to the Hobbs Committed to AFMSS for processing by Linda Askwig on 10/02/2001 (02LA0002SE)	
Name (Printed/Typed) KIM SOUTHALL	Title SUBMITTING CONTACT
Signature (Electronic Submission)	Date 09/27/2001

### THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>/S/ JOE G. LARA</u>	Title <u>Assistant Manager</u> Date <u>JAN 16 2002</u>
Conditions of approval, if any, are attached. Approval of this notice 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 thereon.	Office <u>CARLSBAD FIELD OFFICE</u>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

DISTRICT I  
1825 N. French Dr., Hobbs, NM 88240

DISTRICT II  
811 South First, Artesia, NM 88210

DISTRICT III  
1000 E. Brazos Rd., Aztec, NM 87410

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised March 17, 1999

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

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-35810</b>	Pool Code <b>62965</b>	Pool Name <b>Warren-Blinebry-Tubb Oil + GAS</b>
Property Code <b>003127</b>	Property Name <b>WARREN UNIT BT</b>	Well Number <b>313</b>
OGRID No. <b>005073</b>	Operator Name <b>CONOCO INC.</b>	Elevation <b>3553'</b>

Surface Location

UL or lot No. <b>1</b>	Section <b>27</b>	Township <b>20 S</b>	Range <b>38 E</b>	Lot Idn	Feet from the <b>2350</b>	North/South line <b>SOUTH</b>	Feet from the <b>1200</b>	East/West line <b>EAST</b>	County <b>LEA</b>
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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 <b>40</b>	Joint or Infill <b>I</b>	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

	<b>OPERATOR CERTIFICATION</b>	
	I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature <b>KAY MADDOX</b>	
	Printed Name <b>KAY MADDOX</b>	
	Title <b>Regulatory Agent</b>	
	Date <b>September 26, 2001</b>	
	<b>SURVEYOR CERTIFICATION</b>	
	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 Surveyed <b>September 19, 2001</b>	
	Signature & Seal of Professional Surveyor <b>GARY L. JONES</b>	
	W.O. No. <b>1925</b>	
	Certificate No. <b>7977</b>	
<b>BASIN SURVEYS</b>		

# PROPOSED WELL PLAN OUTLINE

KB = 3,560'  
ALL DEPTHS ARE  
BELOW KB

WELL NAME **Warren Unit No. 313**  
LOCATION **2,600' FSL & 1,300' FWL S27-T20S-R38E**

TVD	MD	FORMATION	DRILLING PROBLEMS & COMMENTS	FORMATION EVALUATION	HOLE SIZE	CASING PROGRAM	FRAC GRAD	FORMATION PRESSURE GRADIENT	MUD WEIGHT & TYPE	DAYS
0	0		Possible hole enlargement and sloughing		12-1/4"				Soud	
1000	1000					8-5/8", 24#, J-55 ST&C @ 1400' Circulate Cement		Less than 8.3		1
		Rustler @ 1300' Top Salt @ 1400'	Washouts in Salt Section		7-7/8"				10 ppq Brine	2
2000	2000			No Mud Log				Less than 8.4		
		Base Salt @ 2600' Yates @ 2820' 7-Rivers @ 3080'	Possible Deviation	H2S Monitor on at 2650'						
3000	3000									
4000	4000	Queen @ 3645' Penrose @ 3795' Grayburg @ 3975' San Andres @ 4205'	Possible losses and seepage to TD			Mud up with Gel-Starch if necessary to control losses.				
5000	5000									7
		Gioneta @ 5510'	Possible differential sticking through Gioneta			Top Tail Cement @ 5700'				
6000	6000	Blinnery @ 5970'								
		Tubb Mkr @ 6435'								
		Drinkard @ 6745'							Starch/salt gel	16
7000	7000	TD @ 6950'		SGR-CAL-CNL-FDC-MLL-DLL-PE 2600'-TD		5-1/2", 17#, J-55, LT&C @ 6950' Circulate Cement				
8000	8000									

Yona Cho, Drilling Engineer

Rob Lowe, Reservoir Engineer

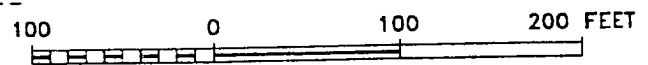
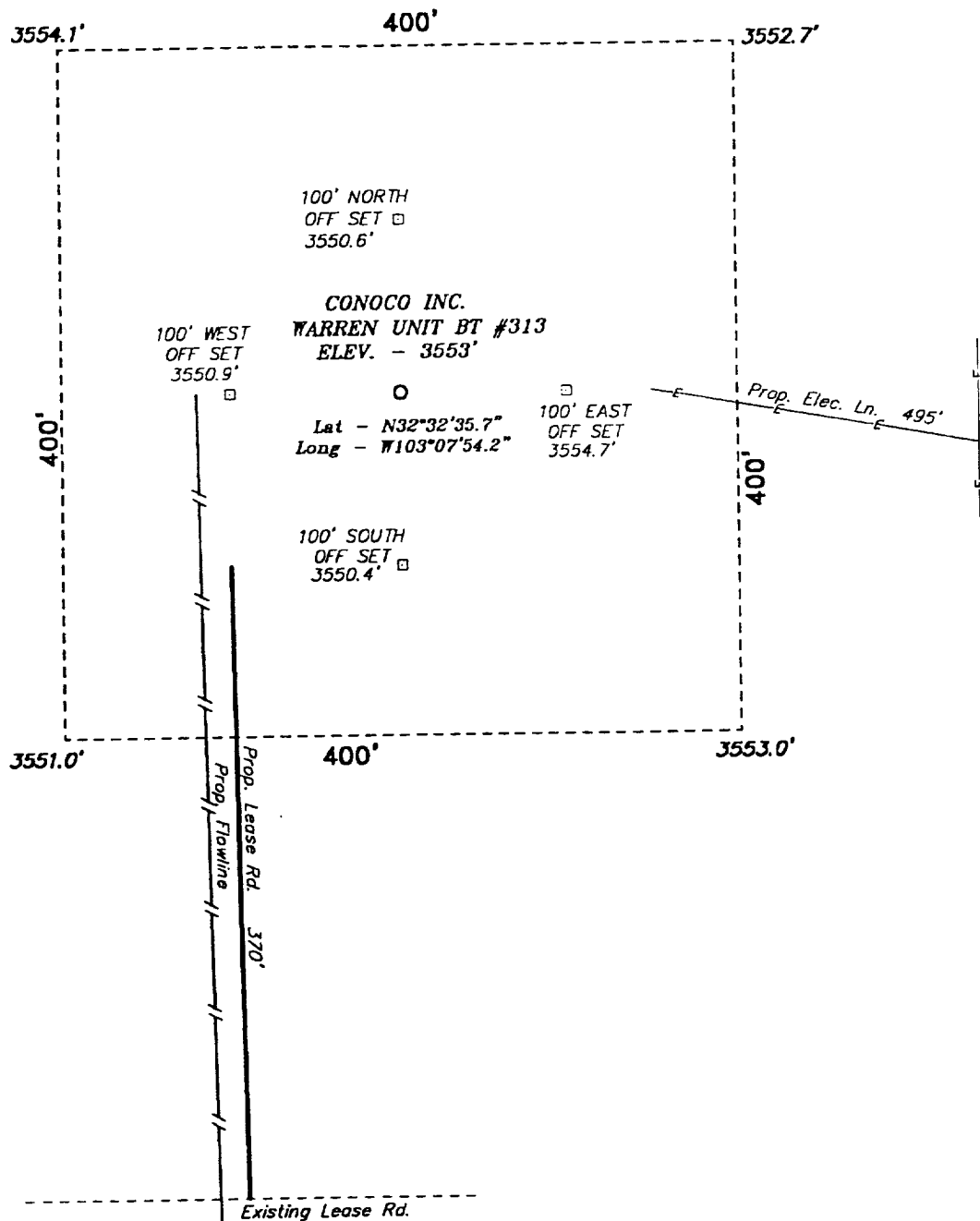
Al Gomez, Geologist

**Warren Unit #313**  
**PROPOSED CASING & CEMENT PLAN**

Surface casing size:	8-5/8" 24# J-55 S7&C	Casing OD:	8.625 in
Surface casing depth:	1400 ft	Casing ID:	8.097 in
Hole size:	12.25 in	Shoe jt length:	40 ft
Static temperature:	88 deg F	Lead Excess:	97 %
Circulating temperature:	84 deg F	Tail Excess:	120 %
Lead:	425 sx	Cl C + 0.25 pps Cello Flake + 0.005 gps FP-6L + 2% Sodium Metasilicate	
Tail:	200 sx	Cl C + 2% CaCl + 0.005 gps FP-6L	
<b>Properties</b>		<b>Lead</b>	<b>Tail</b>
Slurry Weight (ppg)		12.4	14.8
Slurry Yield (cfps)		2.15	1.34
Mix Water (gps)		12.33	6.35
Pump time - 70 BC (HH:MM)		6:25	2:20
Free Water (mls) @ 80 deg F @ 90 deg angle		0	0
Compressive Strength (psi)			
12 hrs @	89 deg F	124	1200
24 hrs @	89 deg F	250	2500

Production casing size:	5-1/2", 17#, J55, LT&C	Casing OD:	5.500 in
Production casing depth:	6.850 ft	Casing ID:	4.892 in
Hole size:	7.875 in	Shoe jt length:	80 ft
Static temperature:	114 deg F	Lead Excess:	74 %
Circulating temperature:	113 deg F	Tail Excess:	47 %
Lead:	650 sx	50:50 Poz:Cl C + 5% bwow NaCl + 0.25 pps Cello Flake + 0.005 gps FP-6L + 10% Bentonite	
Tail:	220 sx	15:61:11 Poz:Cl C:CSE + 5% bwow NaCl + 1% FL-62 + 0.005 gps FP-6L	
<b>Properties</b>		<b>Lead</b>	<b>Tail</b>
Slurry Weight (ppg)		11.85	13.6
Slurry Yield (cfps)		2.41	1.49
Mix Water (gps)		13.79	7.31
Pump time - 70 BC (HH:MM)		3:15	3:00
Free Water (mls) @ 80 deg F @ 90 deg angle		1	0
Fluid Loss (cc/30 min) @ 1000 psi and 80 deg F		792	62
Compressive Strength (psi)			
12 hrs @	114 deg F	50	1013
24 hrs @	114 deg F	175	1877

SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



SCALE: 1" = 100'

**DIRECTIONS TO WELL LOCATION:**

FROM THE JUNCTION OF STATE HWY 18 AND STATE HWY 207, GO NORTH ON HWY 18 FOR APPROX. 1.0 MILE TO A LEASE ROAD; THENCE WEST ON LEASE ROAD APPROX. 0.5 MILE TO THE PROPOSED LEASE ROAD.

**Conoco Inc.**

REF: WARREN UNIT BT No. 313 / Well Pad Topo

THE WARREN UNIT BT No. 313 LOCATED 2350' FROM THE SOUTH LINE AND 1200' FROM THE EAST LINE OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

**BASIN SURVEYS** P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 1925

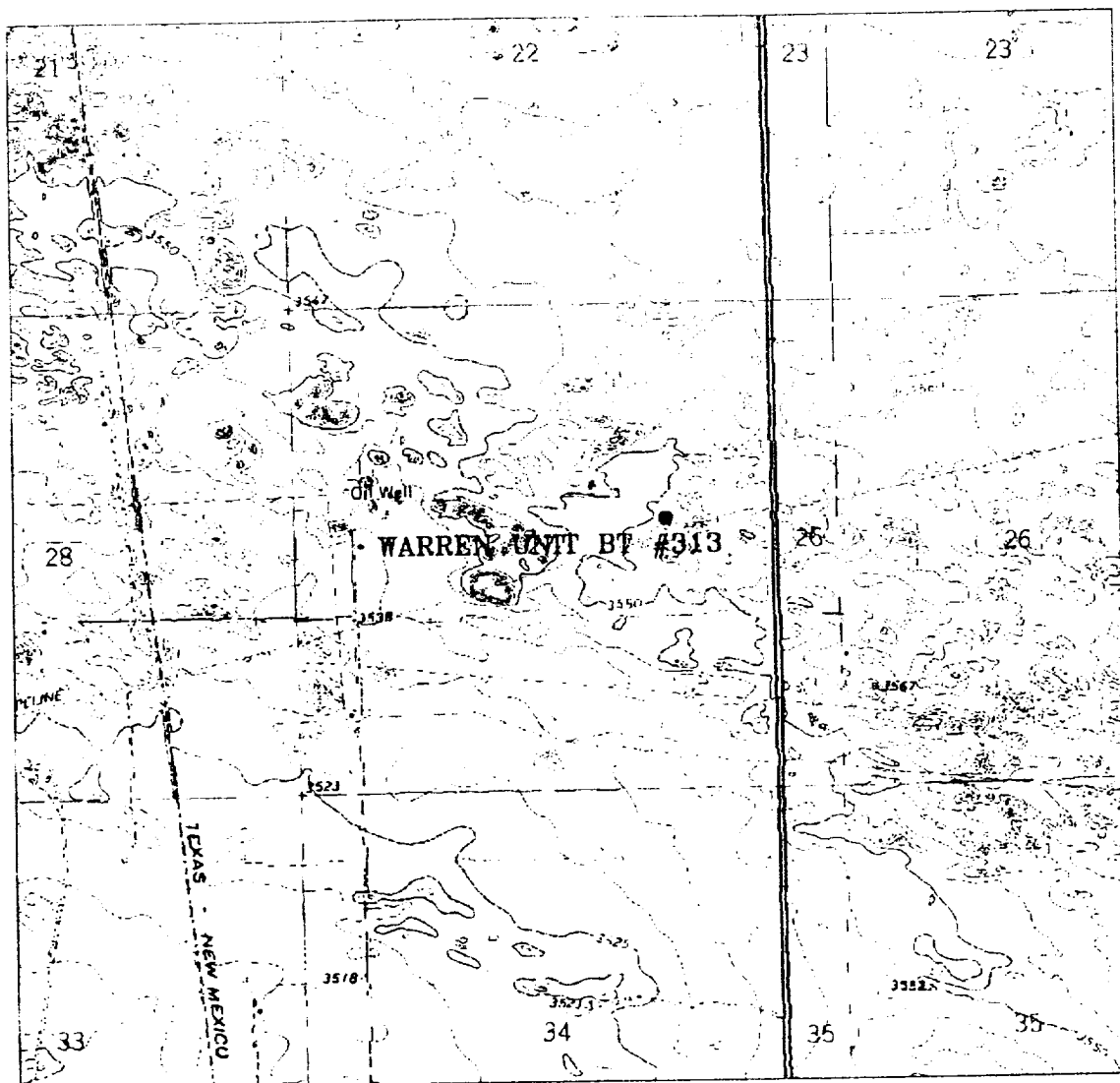
Drawn By: K. GOAD

Date: 09-20-2001

Disk: KJG CD#4 - 1925A.DWG

Survey Date: 09-19-2001

Sheet 1 of 1 Sheets



# WARREN UNIT BT #313

Located at 2350' FSL and 1200' FEL  
 Section 27, Township 20 South, Range 38 East,  
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786  
 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (505) 393-7316 - Office  
 (505) 392-3074 - Fax  
 basin-surveys.com

W.O. Number: 1925AA - KJC CD#5

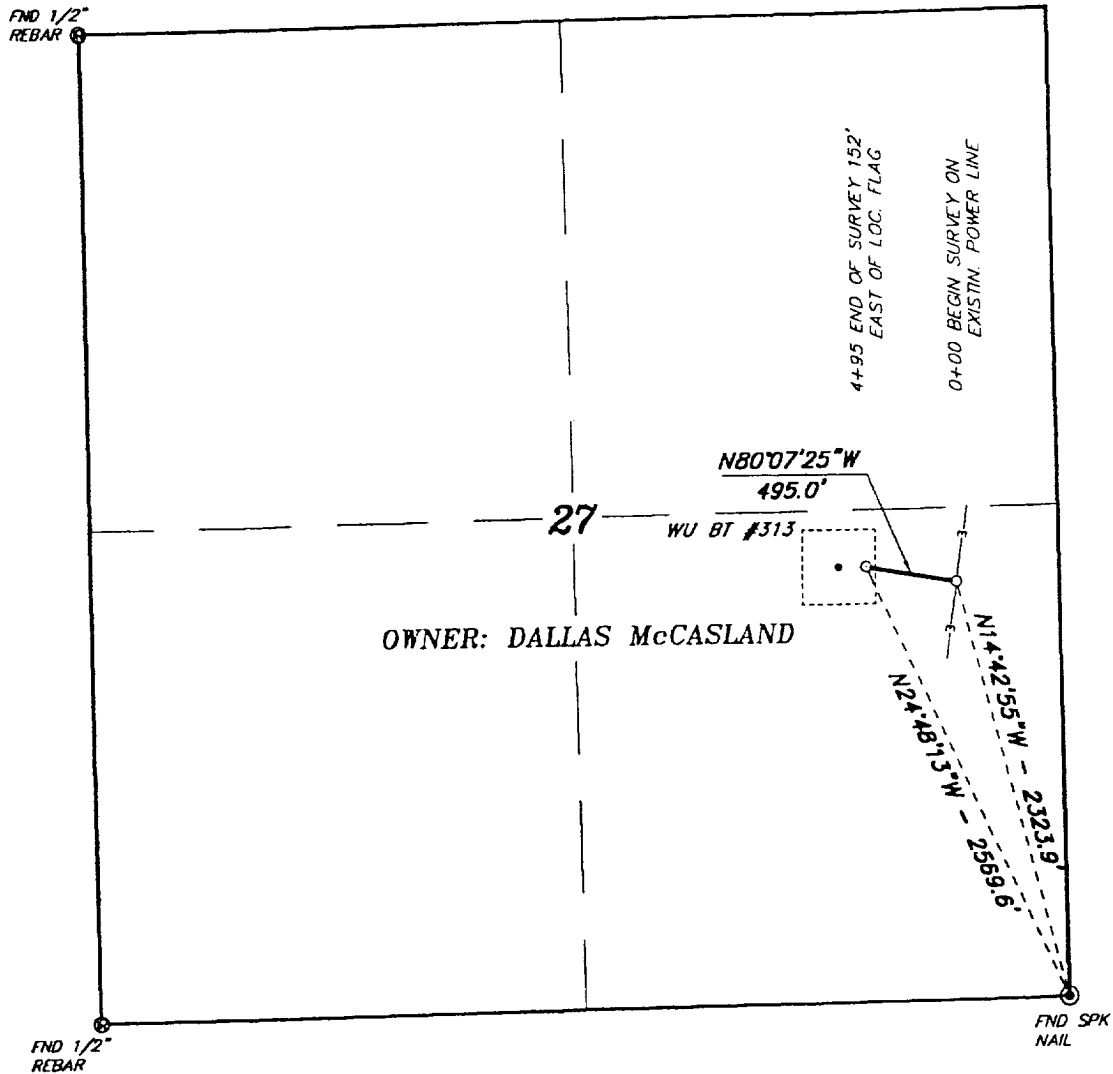
Survey Date: 09-19-2001

Scale: 1" = 2000'

Date: 09-29-2001

CONOCO INC.

SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



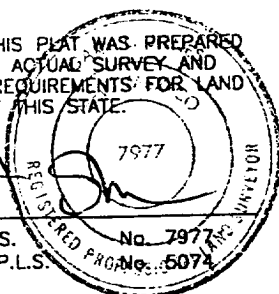
LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT WHICH LIES N.14°42'55\"W., 2323.9 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 27; THENCE N.80°07'25\"W., 495.0 FEET TO THE END OF THIS LINE WHICH LIES N.24°48'13\"W., 2569.6 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 27. SAID STRIP OF LAND BEING 495.0 FEET OR 30.00 RODS IN LENGTH.

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L JONES N.M. P.S.  
TEXAS P.L.S.



**BASIN SURVEYS** P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 1925 Drawn By: K. GOAD

Date: 09-20-2001 Disk: KJG #5 - CON1925C.DWG

1000 0 1000 2000 FEET

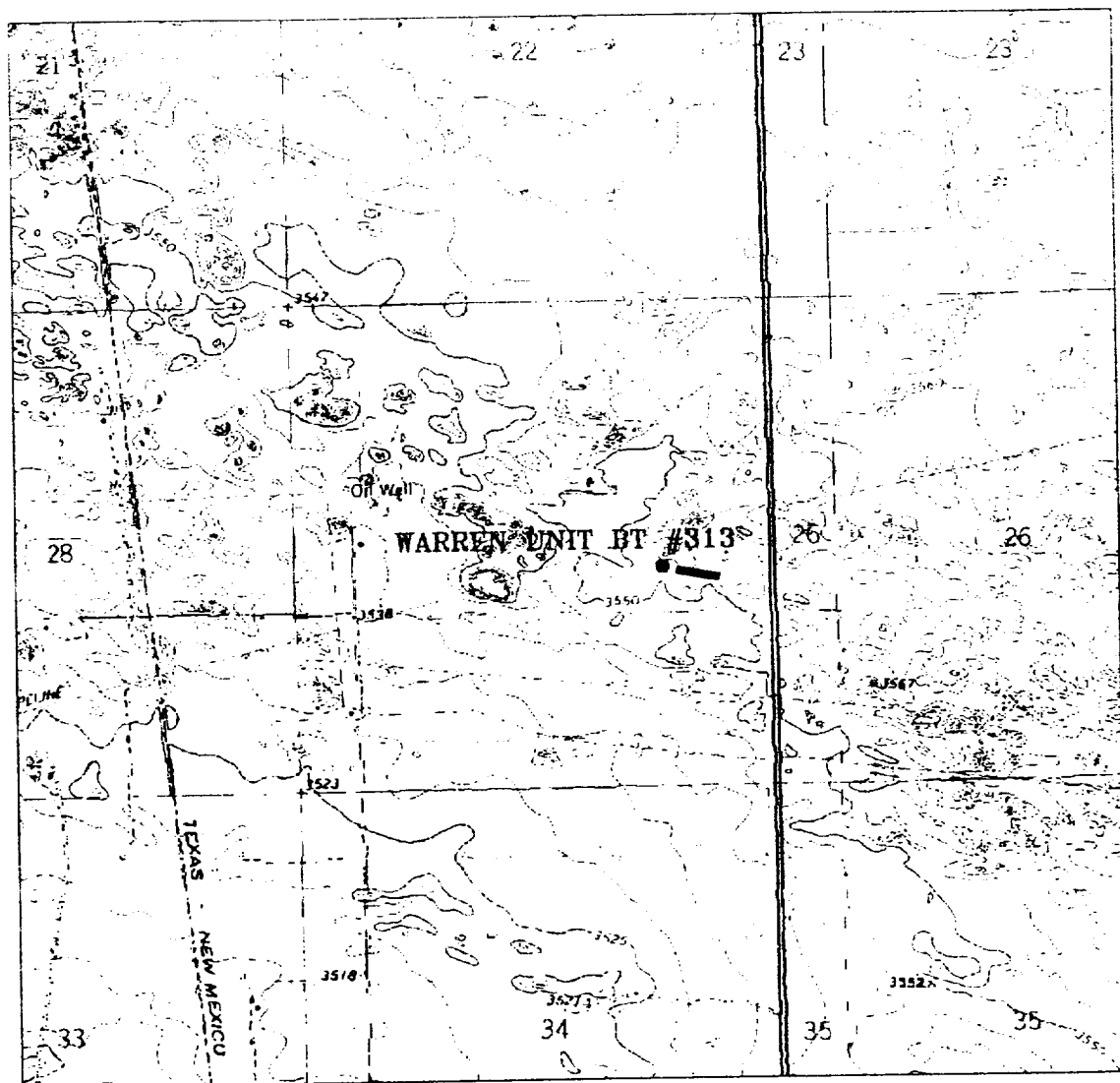
**CONOCO INC.**

REF: PROP. ELECTRIC LINE TO THE WARREN UNIT BT #313

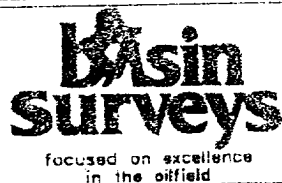
AN ELECTRIC LINE CROSSING FEE LAND IN  
SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

Survey Date: 09-19-2001 Sheet 1 of 1 Sheets





PROP. ELECTRIC LINE TO THE WARREN UNIT BT #313  
 Located at 2350' FSL and 1200' FEL  
 Section 27, Township 20 South, Range 38 East,  
 N.M.P.M., Lea County, New Mexico.



P.O. Box 1786  
 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (505) 393-7316 - Office  
 (505) 392-3074 - Fax  
 basinsurveys.com

W.O. Number: 192500 - KJG CO#5

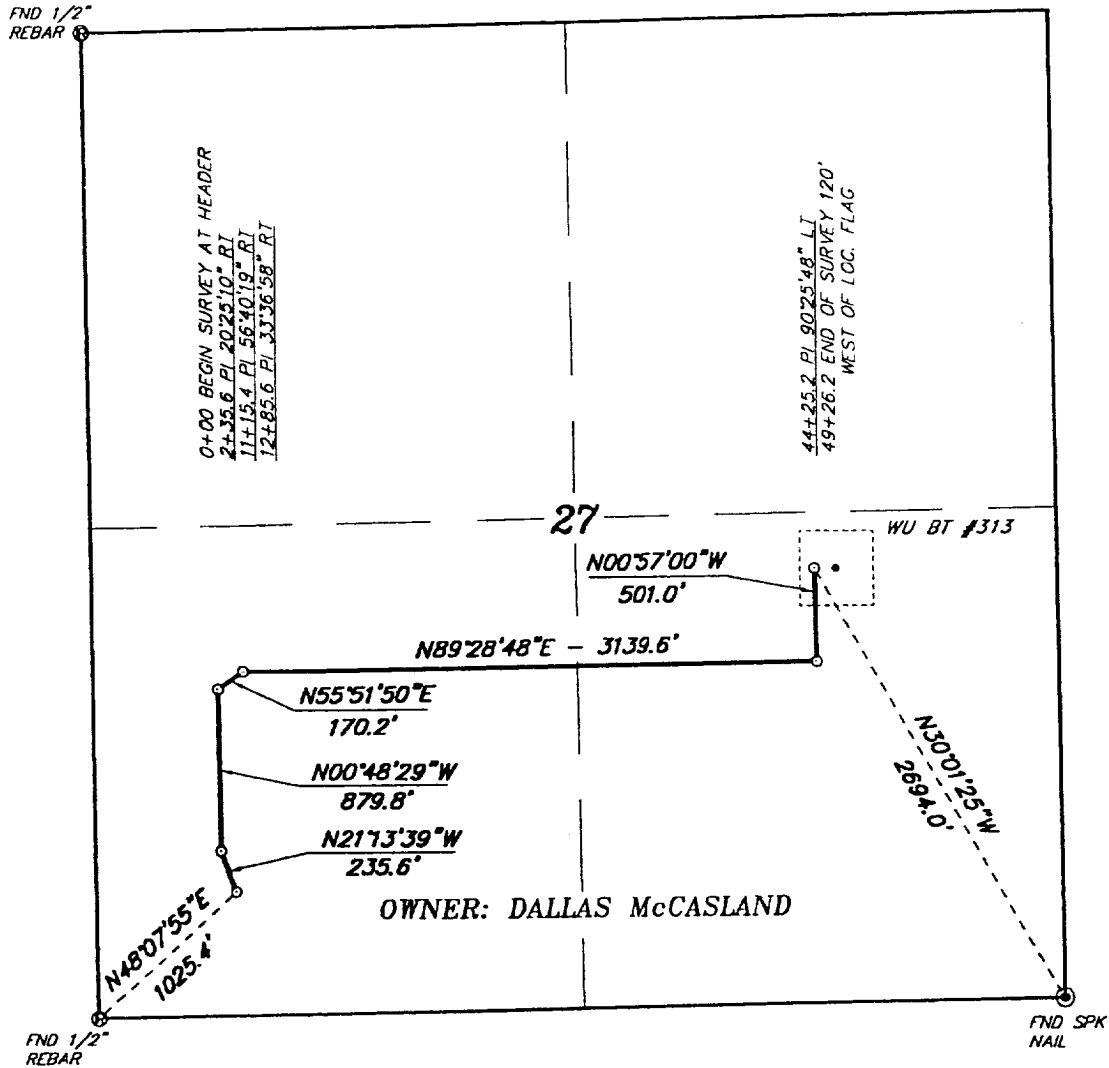
Survey Date: 09-19-2001

Scale: 1" = 2000'

Date: 09-20-2001

CONOCO INC.

SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.



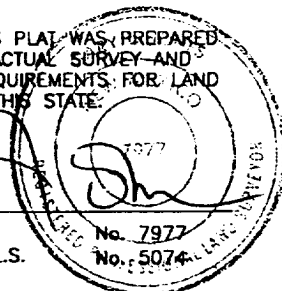
LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

BEGINNING AT A POINT WHICH LIES N.48°07'55\"E, 1025.4 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 27; THENCE N.21°13'39\"W, 235.6 FEET; THENCE N.00°48'29\"W, 879.8 FEET; THENCE N.55°51'50\"E, 170.2 FEET; THENCE N.89°28'48\"E, 3139.6 FEET; THENCE N.00°57'00\"W, 501.0 FEET TO THE END OF THIS LINE WHICH LIES N.30°01'25\"W, 2694.0 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 27. SAID STRIP OF LAND BEING 4926.2 FEET OR 298.56 RODS IN LENGTH.

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

GARY L JONES N.M. P.S.  
TEXAS P.L.S.



1000 0 1000 2000 FEET

**CONOCO INC.**

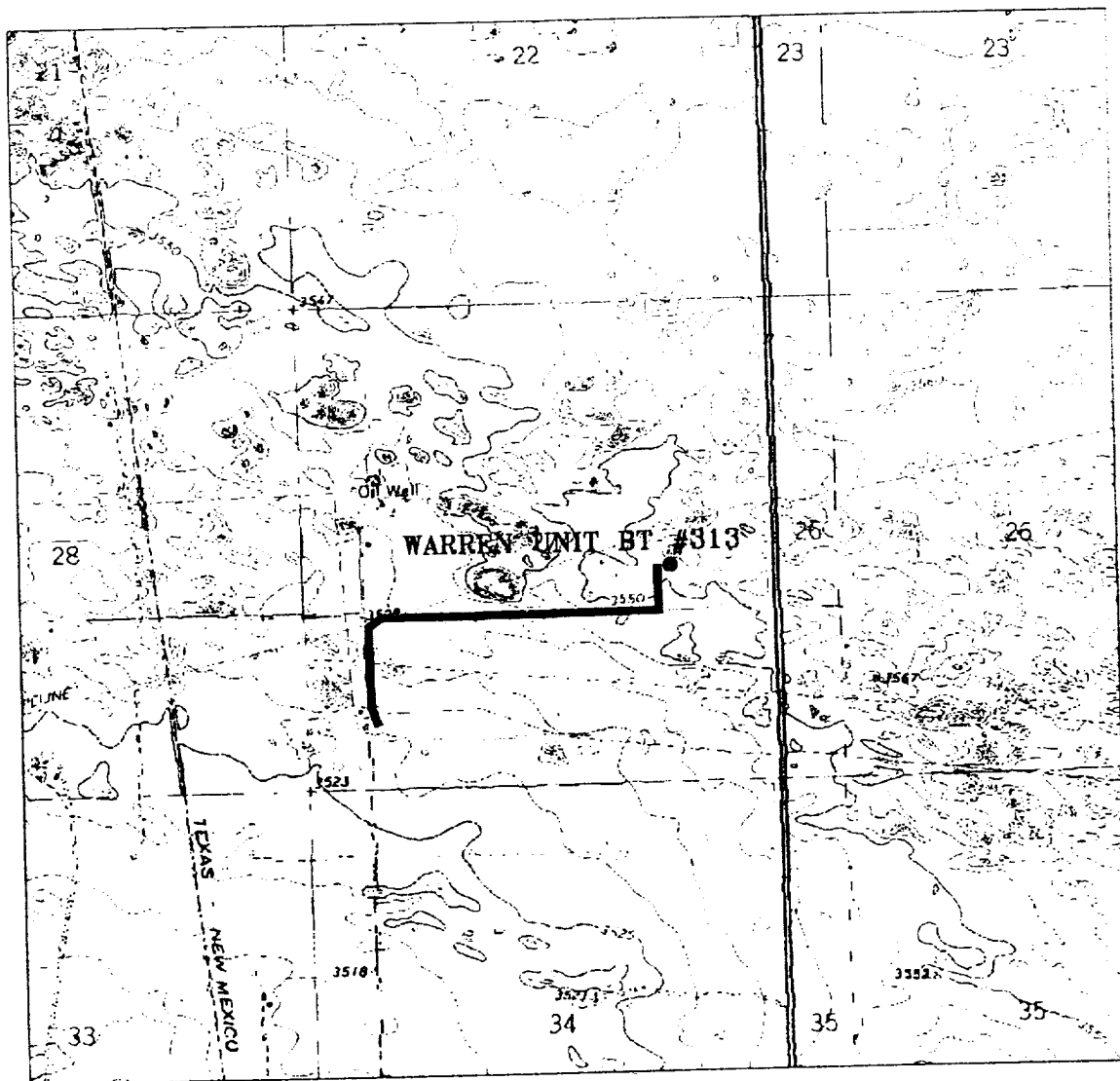
REF: PROP. FLOWLINE TO THE WARREN UNIT BT #313

A FLOWLINE CROSSING FEE LAND IN  
SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

**BASIN SURVEYS** P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 1925 Drawn By: K. GOAD

Date: 09-20-2001 Disk: KJG #5 - CON1925B.DWG Survey Date: 09-19-2001 Sheet 1 of 1 Sheets



PROP. FLOWLINE TO THE WARREN UNIT BT #313  
 Located at 2350' FSL and 1200' FEL  
 Section 27, Township 20 South, Range 38 East,  
 N.M.P.M., Lea County, New Mexico.

**basin  
surveys**  
 focused on excellence  
 in the oilfield

P.O. Box 1786  
 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (505) 393-7316 - Office  
 (505) 392-3074 - Fax  
 basinsurveys.com

W.O. Number: 1925BB - KJG CD#5

Survey Date: 09-19-2001

Scale: 1" = 2000'

Date: 09-20-2001

**CONOCO INC.**

**SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.**

FND 1/2"  
REBAR

OWNER: DALLAS McCASLAND

27

WU BT #313

3+70 END OF SURVEY ON  
SW CORNER OF PAD

0+00 BEGIN SURVEY ON  
EXISTING LEASE ROAD

N00°45'00"W  
370.0'

N30°44'43"W - 2597.6'  
N35°23'00"W - 2284.5'

FND 1/2"  
REBAR

FND SPK  
NAIL

**LEGAL DESCRIPTION**

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY.

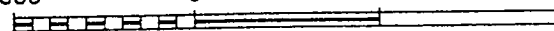
BEGINNING AT A POINT WHICH LIES N.35°23'00"W., 2284.5 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 27; THENCE N.00°45'00"W., 370.0 FEET TO THE END OF THIS LINE WHICH LIES N.30°44'43"W., 2597.6 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 27. SAID STRIP OF LAND BEING 370.0 FEET OR 22.42 RODS IN LENGTH.

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE

GARY L. JONES N.M. P.S.  
TEXAS P.L.S.

No. 7977  
No. 5074

1000 0 1000 2000 FEET



**CONOCO INC.**

REF: PROP. ROAD TO THE WARREN UNIT BT #313

A ROAD CROSSING FEE LAND IN  
SECTION 27, TOWNSHIP 20 SOUTH, RANGE 38 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

**BASIN SURVEYS** P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 1925

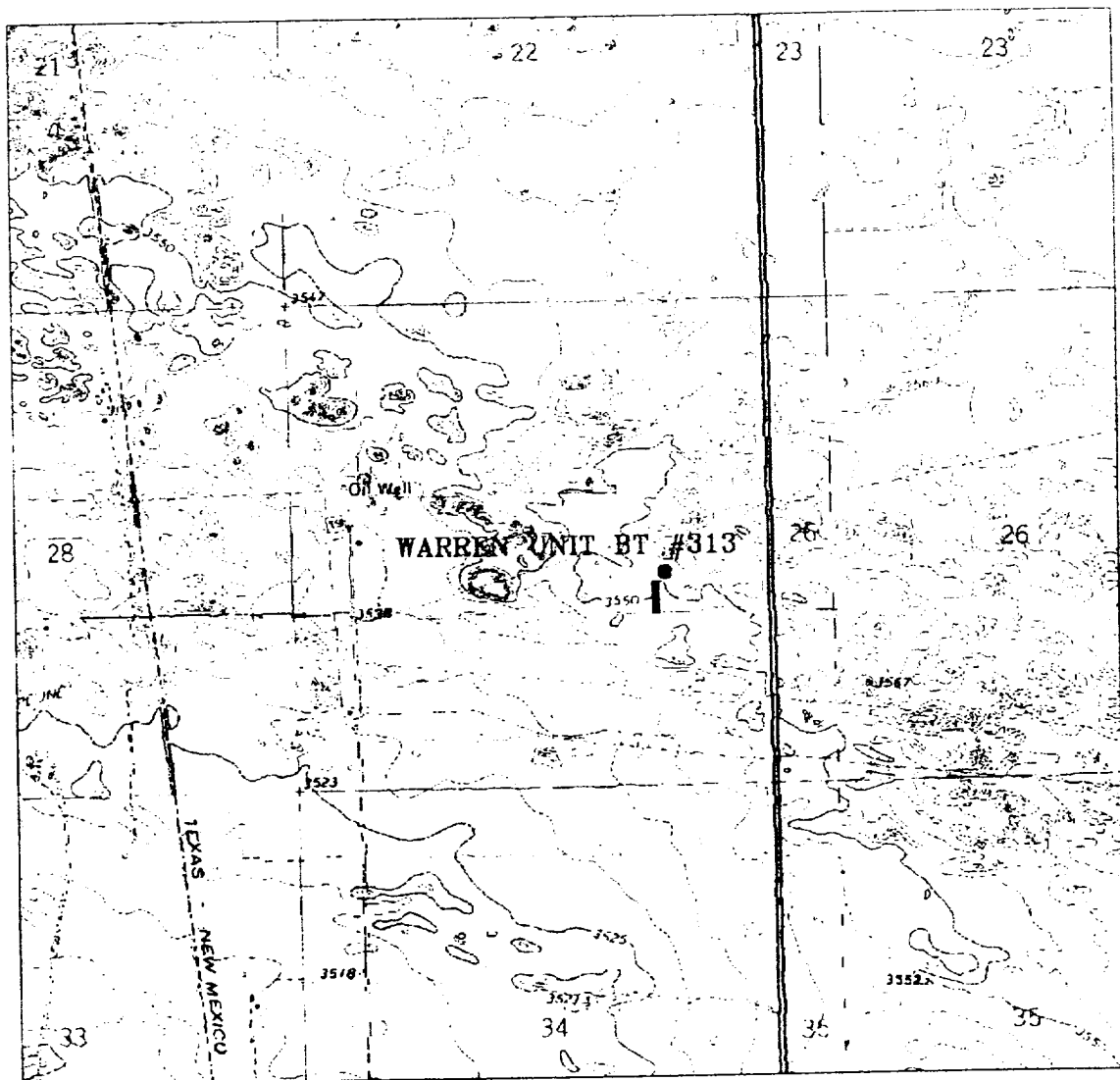
Drawn By: K. GOAD

Date: 09-20-2001

Disk: KJG #5 - CON1925D.DWG

Survey Date: 09-19-2001

Sheet 1 of 1 Sheets



PROP. ROAD TO THE WARREN UNIT BT #313  
 Located at 2350' FSL and 1200' FEL  
 Section 27, Township 20 South, Range 38 East,  
 N.M.P.M., Lea County, New Mexico.

**basin  
surveys**  
 focused on excellence  
 in the oilfield

P.O. Box 1786  
 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (505) 393-7316 - Office  
 (505) 392-3074 - Fax  
 basin-surveys.com

W.O. Number: 192500 - KJC CO#5

Survey Date: 09-19-2001

Scale: 1" = 2000'

Date: 09-20-2001

**CONOCO INC.**

**Additional Operator Remarks:**

It is proposed to drill a vertical wellbore as a Warren Blinbry-Tubb Oil & Gas producer. NOS was filed 8/17/01. The well will be drilled and equipped according to the attachments submitted herewith.

**SURFACE USE PLAN  
Conoco Inc.**

**WARREN UNIT BT #313**

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 on this plan.

1. Existing Roads

- A. The proposed well site is 2600' FSL & 1200' FEL, Sec. 27, T20S, R38E, Lea County, New Mexico. This is a Warren Blinebry – Tubb Oil & Gas well.
- B. Directions to the location are as follows:  
See attached Well Pad Topo
- C. No improvement or maintenance is anticipated for the existing roads.

2. Planned Access Roads

- A. 620' of new access road will be required.
- B. Turnouts as specified by surface management agency.
- C. Culverts as specified by surface management agency.
- D. Gates, cattleguards, or fences as specified by surface management agency.

3. Topographic Map and Well Location

A 7.5" quadrangle topo map was filed with the NOS.

4. Additional Rights-of-Way

Access Road, Electric line and flowline as shown on attached plats.

5. Water Supply

Fresh and brine water will be obtained from commercial sources and will be trucked to location by the same directions for reaching the drilling site.

6. Source of Construction Materials

Construction materials will be obtained from commercial sources.

7. Methods of Handling Waste Disposal

- A. The drill cuttings, fluids and completion fluids will be placed in the reserve pit. The reserve pit will be fenced on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The reserve pit will be allowed to dry, and materials remaining in the reserve pit buried. The reserve pit will be backfilled, leveled and contoured so as to prevent any materials being carried into the watershed. Upon completion, the pad will be leveled, contoured, and reseeded with the appropriate seed mixture as specified by the surface managing agency.
- B. All garbage and trash will be hauled away to designated landfill by Conoco.
- C. Chemical toilets will be provided and maintained during drilling operations.

8. Ancillary Facilities

No ancillary facilities are planned.

9. Wellsite Layout

See attached Wellsite Layout. The V-door faces East. The reserve pit will be lined with plastic and the pad and pits are staked. All unguarded pits containing liquids will be fenced and any unguarded pit containing liquids will be fenced.

10. Plans for Restoration of Surface

Reserve pits will be rehabilitated once drilling fluids have been allowed to evaporate to the point the pits are dry enough for backfilling and leveling. In the event drilling fluids will not evaporate in a reasonable time period, the fluids will be removed and transported by tank truck to a state approved disposal facility. Backfilling and leveling of the location will be completed within a time period of one year upon cessation of drilling operations.

11. Surface Ownership

The well site surface ownership is: Robert McCasland

12. Archeological Clearance

An archeological survey is being conducted and will be provided upon completion.

13. Operator's Representative and Certification

The person who can be contacted concerning compliance of this Surface Use Plan is:

**Ronald G. Crouch**  
**Right of Way Agent**  
**Conoco Inc.**  
**10 Desta Drive, Suite 651W**  
**Midland, Texas 79705**  
**(915) 686-5587**



*I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling site; that I am familiar with the conditions which currently exist; that the statements made in this plan, are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Conoco Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.*



Ronald G. Crouch  
Right of Way Agent



Date



WELL SITE LAYOUT



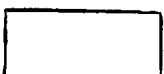
H2S Safety Contractor



Conoco Quarters



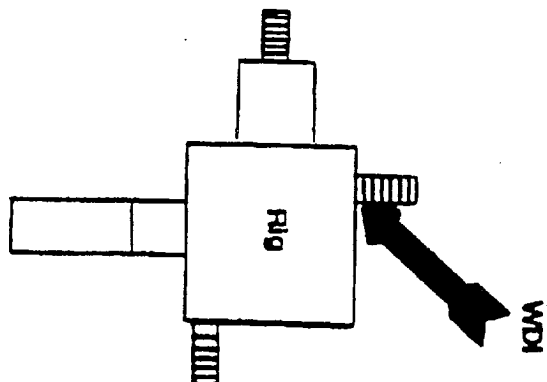
Mustel Area No. 1



Contractor Quarters

Mustel Area No. 2

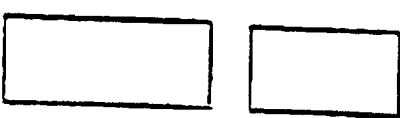
WDI



WDI

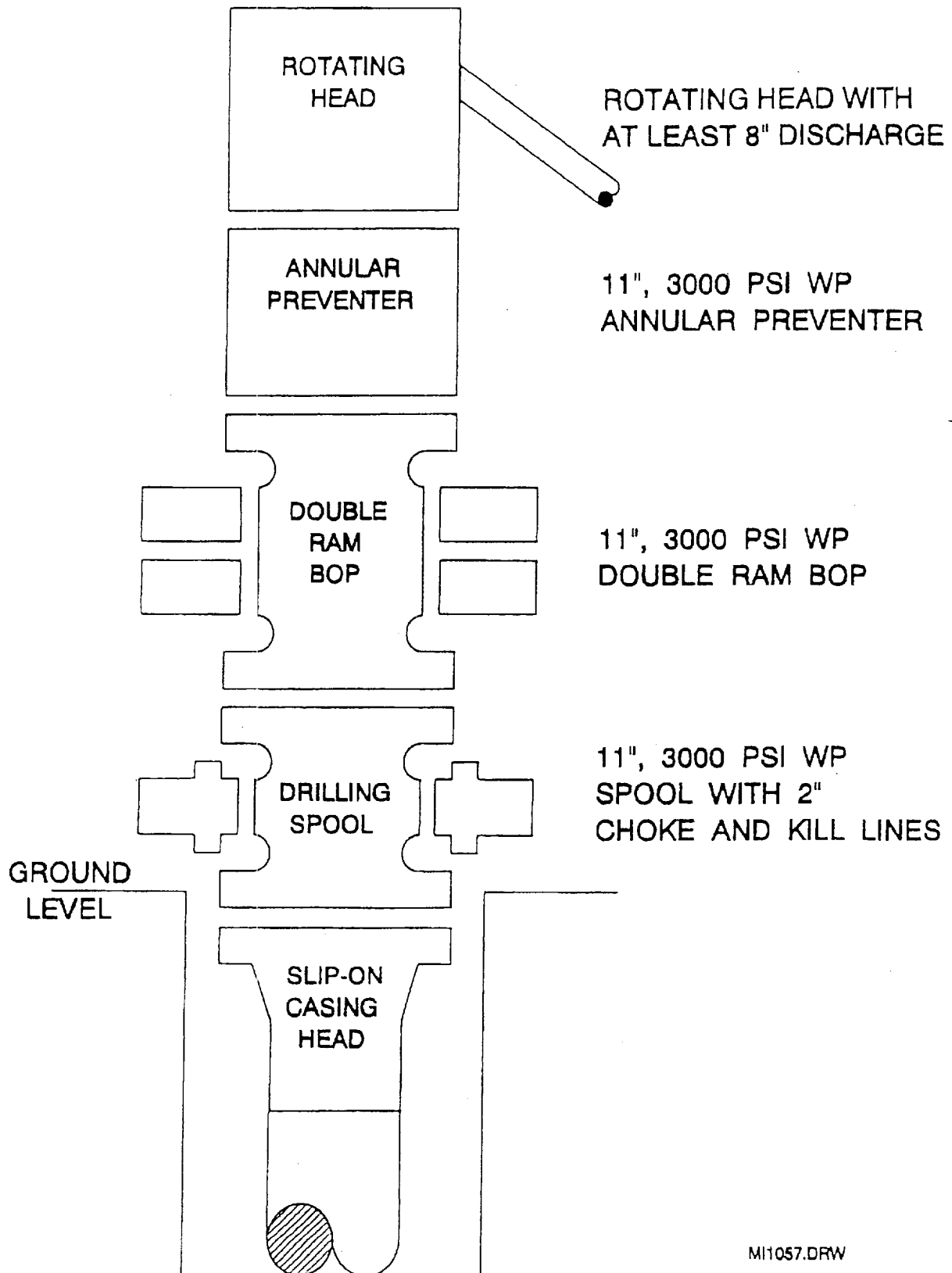


Choke Manifold



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

# BOP SPECIFICATIONS



# TRAILER - MOUNTED RIG LAYOUT

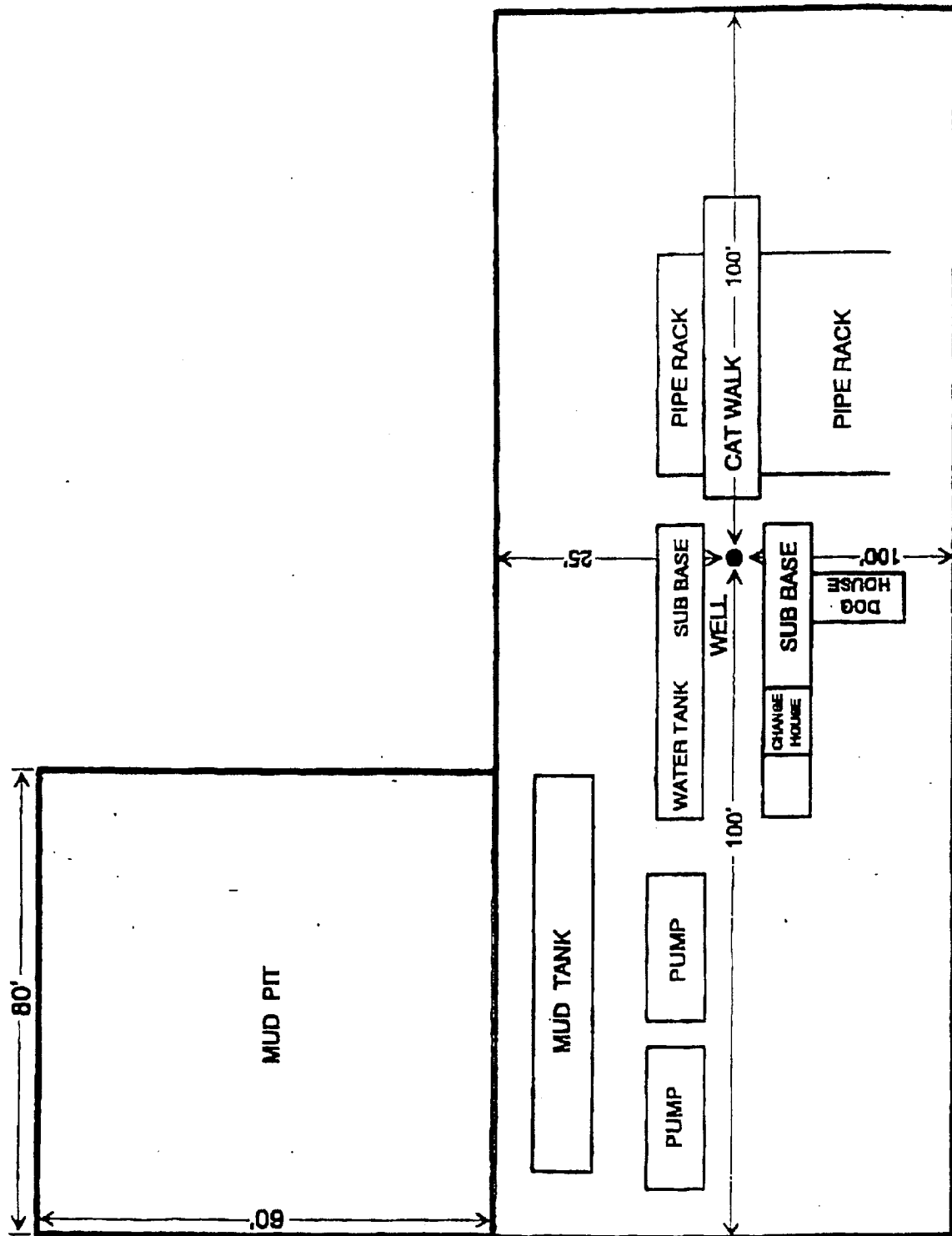
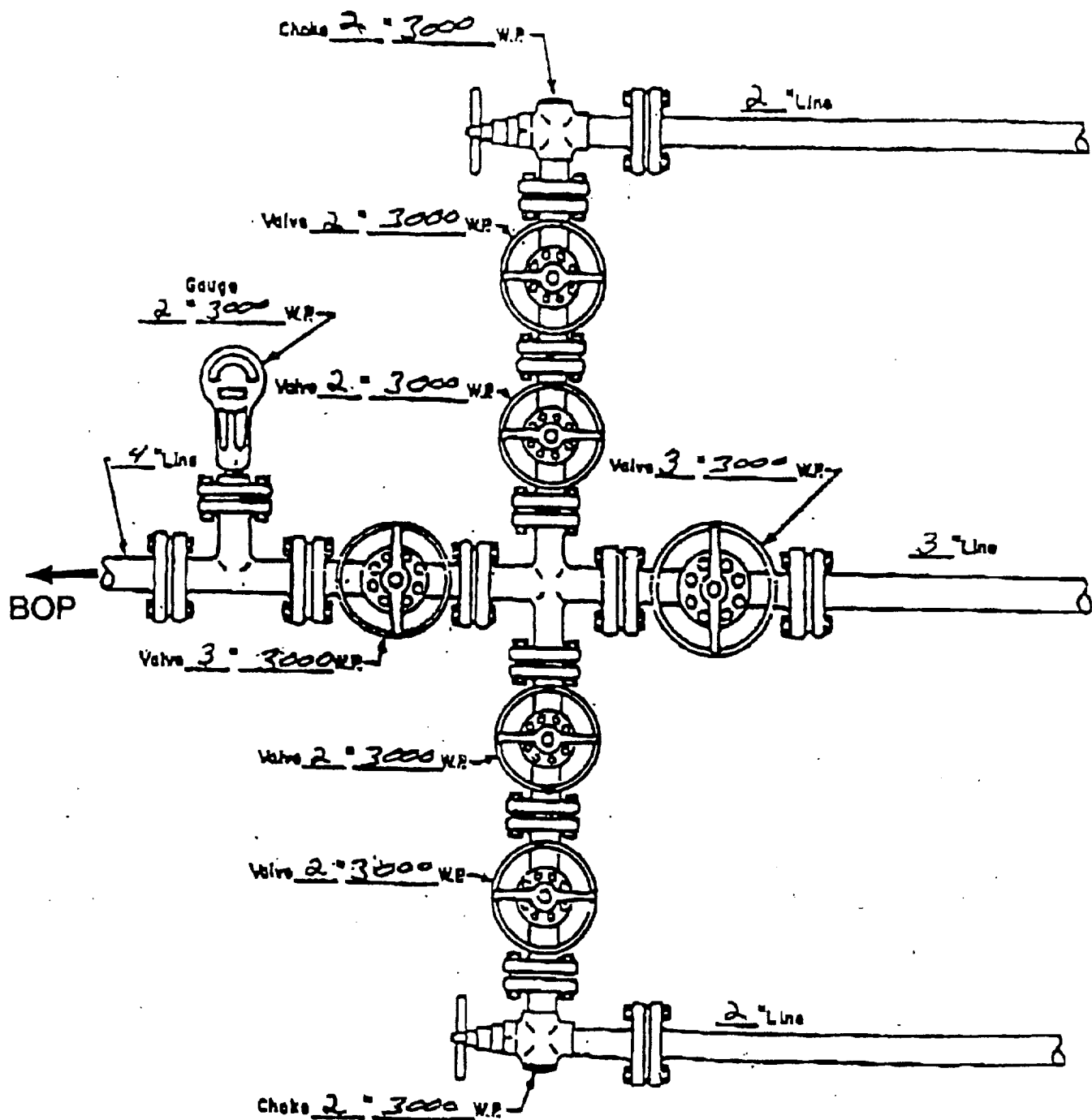


EXHIBIT D

# CHOKE MANIFOLD DIAGRAM



MANIFOLD  
3000 # W.P.

- ☒ Manual
- ☐ Hydraulic

## **H2S DRILLING OPERATIONS PLAN**

**Conoco, Inc. will comply with Onshore Order No. 2 for working in an H2S environment or a potential H2S environment.**

### **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 where high tensile strength tubulars are to be used.
2. Corrective action and shutdown 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 minimum safety equipment will be on location:

- A. Wind direction indicators placed near rig floor/mud return lines and at points along the perimeter of the location to allow visibility of at least one indicator from any point on location.
- B. Automatic H2S detection alarm equipment (both audio and visual).
- C. Clearly visible warning signs. Signs will use the words "POISON GAS" and "CAUTION" with a strong color contrast.
- D. Protective breathing equipment will be located in the doghouse and at briefing areas on location.

#### **2. Well Control Systems**

##### **A. Blowout Prevention Equipment**

Equipment includes but is not limited to:

1. Pipe rams to accommodate all pipe sizes
2. Blind rams
3. Choke manifold
4. Closing Unit
5. 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, satellite phone, microwave phone, or mobile (cellular) telephone capabilities.

#### **C. Mud Program**

The mud program has been designed to minimize the volume of H<sub>2</sub>S circulated to surface. Proper mud weight, safe drilling practices, and the use of H<sub>2</sub>S scavengers when appropriate will minimize hazards when penetrating H<sub>2</sub>S bearing zones.

#### **D. Drill Stem Tests**

Any planned drill stem test will be cancelled if H<sub>2</sub>S is detected prior to such test. In the event that H<sub>2</sub>S is detected during testing, the test will be terminated immediately.



Ronald G. Crouch  
Right of Way Agent  
Right of Way and Claims

Conoco Inc.  
10 Desta Drive, Suite 651W  
Midland, Texas 79705-4500  
(915) 686-5587

August 29, 2001

Department of the Interior  
Bureau of Land Management  
620 East Greene  
Carlsbad, New Mexico 88220

Re: Settlement letter for appurtenances  
Warren Unit #313  
Section 27, T20S, R38E  
Lea County, New Mexico

Dear Mr. Hunt

Conoco Inc. will reach a damage settlement agreement with the surface owner, being Robert McCasland before construction begins of the above referenced location and appurtenances.

Please call me at 915-686-5587 if you have any questions concerns.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Ronald G. Crouch".

Ronald G. Crouch  
Right of Way Agent