

File

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Conoco Inc.

3. ADDRESS OF OPERATOR

10 Desta Drive, Suite 100 W Midland, TX 79705

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

At surface

1980' FSL & 660' FWL

At proposed prod. zone

Cisco

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 drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

8100'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

3604.7

22. APPROX. DATE WORK WILL START*

5/1/91

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	9 5/8"	36/40#	K-55	LT&C CIRCULATE	1200'	2000 sxs
8 3/4"	7"	26#	K-55	LT&C	8100'	1800 sxs

This well is proposed to be drilled as a Cisco oil producer.

Attachments

- 1) Well Location and Acreage Dedication Plat.
- 2) Attachment to Form 3160-3.
- 3) Proposed Well Plan Outline.
- 4) Surface Use Plan.
- 5) EXHIBIT A - New Mexico road map.
- 6) EXHIBIT B - Lease road and facilities map.
- 7) EXHIBIT B.1 - Location facility plat.
- 8) EXHIBIT C - Rig Layout.
- 9) BOP Specifications.
- 10) H₂S Drilling Operations Plan.

Part ID-1
4-19-91
New Loc & API

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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

Jeff W. Hoover

TITLE Regulatory Coordinator

DATE

3-5-91

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

AREA MANAGER

CANONED RESOURCE AREA

APPROVED BY

TITLE

DATE

4-10-91

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

ATTACHED U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

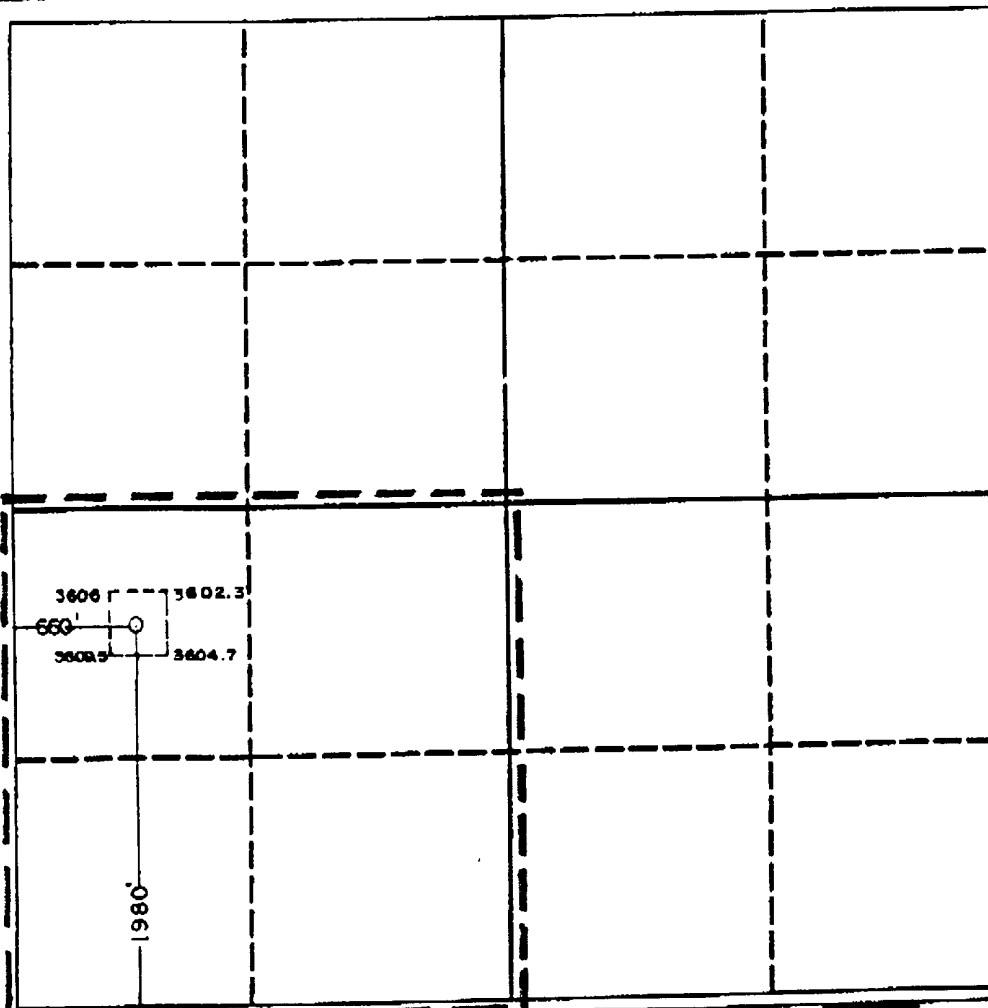
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator CONOCO, INC.			Lease BARBARA FEDERAL		Well No. 11
Unit Letter L	Section 18	Township 19 SOUTH	Range 25 EAST	County EDDY	
Actual Footage Location of Well: 660 feet from the WEST line and 1980 feet from the SOUTH line					
Ground level Elev. 3604.7	Producing Formation Cisco	Pool North Dagger Draw Upper Penn.			Dedicated Acreage 160 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hectare marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
[Signature]
Printed Name
Nerry W. Hoover
Position
Regulatory Coordinator
Company
Conoco Inc.
Date
3/7/91

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 knowledge and belief.

Date Surveyed
2-14-91

Signature & Seal of
Professional Surveyor



ATTACHMENT TO FORM 3160-3
APPLICATION FOR PERMIT TO DRILL

Conoco Inc.

Barbara Fed. No. 11
1980' FSL & 660' FWL
Sec. 18, T-19S, R-25 E
Lea County, New Mexico

1. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan Outline.
2. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on the attached Proposed Well Plan Outline.
3. A drawing of Blowout Preventer Specifications is attached. Pipe rams and blinds will be checked to the working pressure of the stack or 70% of the minimum internal yield strength of the casing whichever is less. BOPE will be checked when casing string is set.
4. The proposed casing program is as follows:
0-1200': 9-5/8", 36/40# K-55
1200'-8100': 7", 26# K-55
5. The proposed mud program is as follows:
0-1200': 8.4-8.7# Brine
1200'-7300': 8.8-9.2# Brine
7300'-8100': 8.8-9.2# Salt Gel
6. Run open-hole logs from 1200'-TD. The log suite will include the following:
1) GR-CNL-LDT-CAL, 2) GR-DLL-MSFL. A temperature survey will be run to determine the top of cement on each casing string where cement is not circulated.
7. Special Drilling Problems:
a) Possible H₂S.
b) Possible severe lost circulation in surface hole.
8. The anticipated starting date is 5-1-91 with a duration of approximately 21 days.

PROPOSED WELL PLAN OUTLINE

WELL NAME: Barbara Federal No. 11

COUNTY: Eddy

STATE: NM

LOCATION: 1980' FSL, 660' FWL

EST. KB:

Section 18, T-19-S, R-25-E

EST. GL:

DEPTH	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING	FRAC GRAD	FORM	(PPG)	DAYS
					SIZE-DEPTH		PRESS GRAD	MUD WT & TYPE	
	Surface Water 300'		0'-1200' Deviation Survey each 250' not to exceed 3°					Spud 8.4-8.7	
1000									
		Known lost circulation from 0-1200'		14-3/4	9-5/8 @ 1200'		8.33		4
	Glorieta 1989'		Install H ₂ S monitor @ 1200'		w/2000 sx "lite" & "C" (to protect from surface waterflows and severe Lost circ.)			Cut Brine 8.8- 9.2	
2000			Install a 2- man mudlogger 1200'-TD						6
	Yeso 2145'	H ₂ S poss. to TD	1200'-3000' Deviation survey each 250' not to exceed 5° or 1°/100' DLS						8
3000		Deviations from 4-6° likely from 4500'-5500'							
								pH > 10 to TD	10
4000									
	Abo 4198'								
5000					DV tool above lower Abo LC zone (If Nec) 4500'				13
	Wolfcamp 5100'								
6000			3000'-TD Deviation survey each 250' or as needed not to						17
7000		H ₂ S possible in Cisco	exceed 5° or 1°/100' DLS						20
	Cisco 7600'							Mud up with salt gel and starch @	
8000				8-3/4"					
	Target TD 8100'		GR-CNL-LDT-		7" @ 8100'	15	8.3-	7300'	25
			DLL-MSFL-CAL from 8100'- 1200'		w/1800 sx "H" & "C" lite		9.0	8.8-9.2	
9000			Image Log from 8100'-7600'						

SURFACE USE PLAN

Conoco Inc.

Barbara Federal No. 11

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

1. Existing Roads

- A. The proposed well site is 1980' FSL & 660' FWL, Sec. 18, T-19S, R-25E, Eddy County, New Mexico.
- B. Exhibit "A" is a portion of a New Mexico road map showing existing roads. Directions to the location are as follows:
From the junction of U.S. 285 and 82, go south for 13.1 miles. Turn west on County Road 21 and go 7.5 miles. Turn north (right) across the cattle guard to the Lehman #1 location. Continue north on 1360' of new road to location.
- C. Access roads are shown on Exhibit "B".
- D. No improvement or maintenance is anticipated for the existing roads.

2. Planned Access Roads

- A. 1360' from existing lease road to location.
- B. No turnout will be required.
- C. No culverts, or fills will be required.
- D. No gates, cattleguards, or fences will be required.

3. Location of Existing Wells

See Exhibit "B"

4. Location of Proposed Facilities if Well is Productive

Existing producing facilities are shown on Exhibit "B".

5. Water Supply

Fresh water will be secured from the adjacent Barbara Federal No. 8 location and will be either trucked or transported through a temporary line.

6. Source of Construction Materials

Caliche from pit located in SE/4 SE/4 Sec. 17, T-20S, R-38E.

Methods of Handling Waste Disposal

Waste Disposal: Well cuttings will be disposed in reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" of dirt. See Exhibit "C" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. Any produced water will be collected in tanks until hauled to an approved disposal system, or separate disposal applications will be submitted to survey for appropriate approval.

8. Ancillary Facilities

See Exhibit "B.1" for details of the required power line and flowline for this well.

9. Wellsite Layout

See Exhibit "C". The reserve pit will be lined with plastic. The pad and pits are staked.

10. Plans for Restoration of Surface

Pits will be backfilled and leveled as soon as practical to original condition. Commencement of rehabilitation operations will immediately follow removal of drilling and completion equipment from location and rehabilitation of the surface is planned to be completed within 45 days from commencement.

11. Surface Ownership

Bureau of Land Management.

12. Other Information

An archaeological survey will be conducted by Pecos Archaeological Consultants.

13. Operator's Representative and Certification

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

Gary L. Smith
10 Desta Drive West
Midland, Texas 79705
(915)686-5471

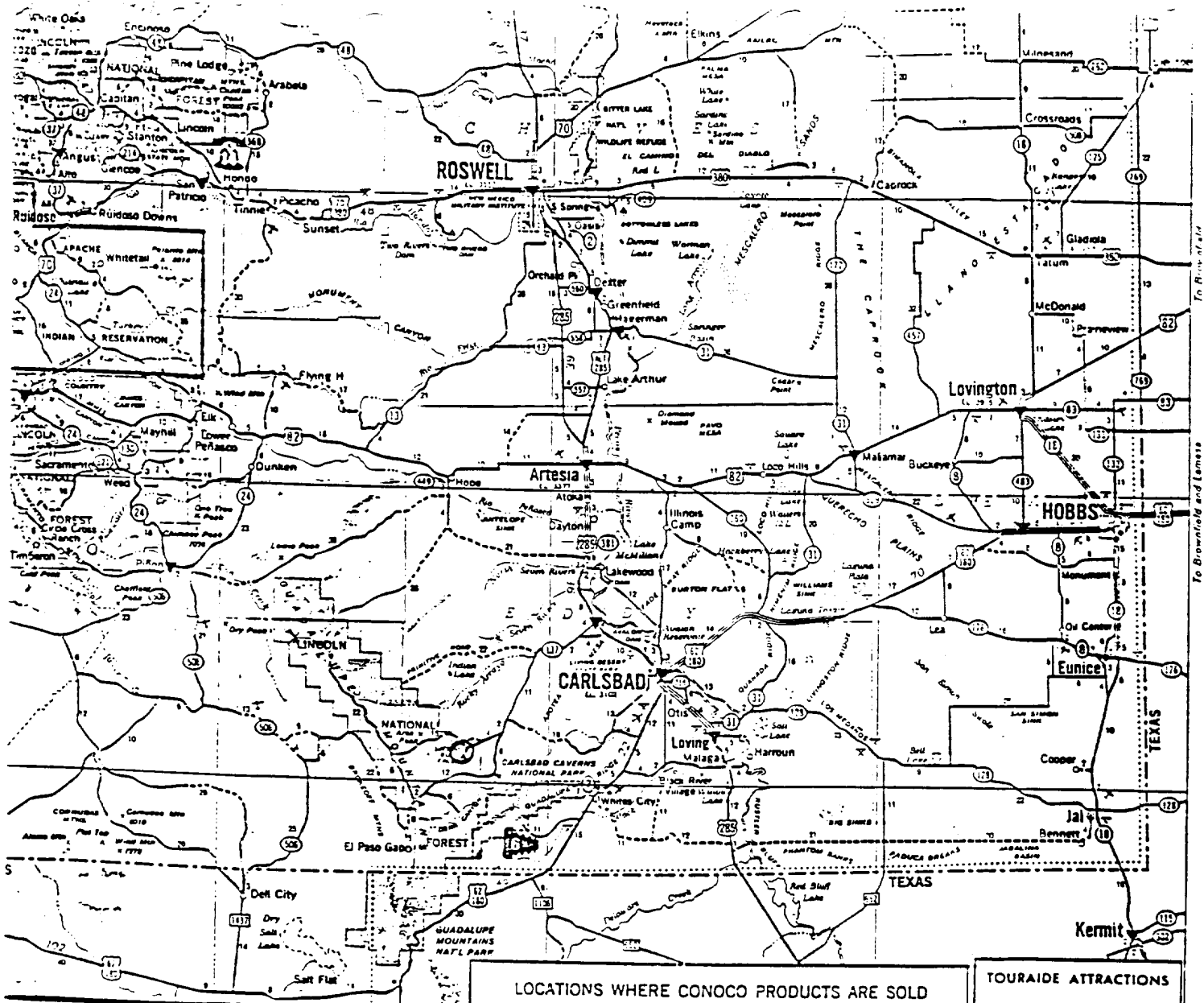
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling site; that I am familiar with the conditions which currently exist; that the statements made in this plan, are, to the best of my knowledge, true and correct; and that the work associated with operations 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.

05 MARCH, 1991

Date

Gary L. Smith
Gary L. Smith
Drilling Superintendent

JWH/tm



LOCATIONS WHERE CONOCO PRODUCTS ARE SOLD

- ▼ Locations on Interstate Highways, toll roads or major limited access highways where CONOCO PRODUCTS are sold.
- ▼ Locations of CONOCO Travel Shoppers.
- ▼ Other CONOCO station locations.



Locations where CONOCO DEALERS provide Trailer Travelers with Sanitary Disposal Facilities. Look for this sign:



TOURAIDE ATTRACTIONS

- HISTORICAL
- SCENIC
- GENERAL

Attraction points described on reverse side

NEW MEXICO

SCALE IN MILES AND KILOMETERS

ONE INCH 22 MILES 0 5 10 20 30

ONE INCH 35 KILOMETERS 0 5 10 20 30 40

HIGHWAY MARKERS

INTERSTATE UNITED STATES STATE TEXAS FARM OR RANCH

ROAD CLASSIFICATIONS

CONTROLLED ACCESS DIVIDED HIGHWAYS

Other divided highways

PRINCIPAL THROUGH HIGHWAYS

OTHER THROUGH HIGHWAYS

CONNECTING HIGHWAYS

LOCAL ROADS

MILEAGES

MILEAGE BETWEEN TOWNS AND JUNCTIONS

ONE MILE EQUALS 1.6 KILOMETERS

SPECIAL FEATURES

STATE PARKS

RECREATION AREAS

PORTS OF ENTRY

POINTS OF INTEREST

POPULATION SYMBOLS

POPULATION SYMBOLS

POPULATION SYMBOLS

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POPULATION SYMBOLS

LONG DISTANCE MILEAGES SHOWN IN RED

MILEAGE BETWEEN CITIES

ONE KILOMETER EQUALS .6 MILES

SCHEDULED AIRLINE STOPS

MILITARY AIRPORTS

OTHER AIRPORTS

TOURIST INFORMATION

SKI AREAS

SELECTED REST AREAS

BOAT RAMPS

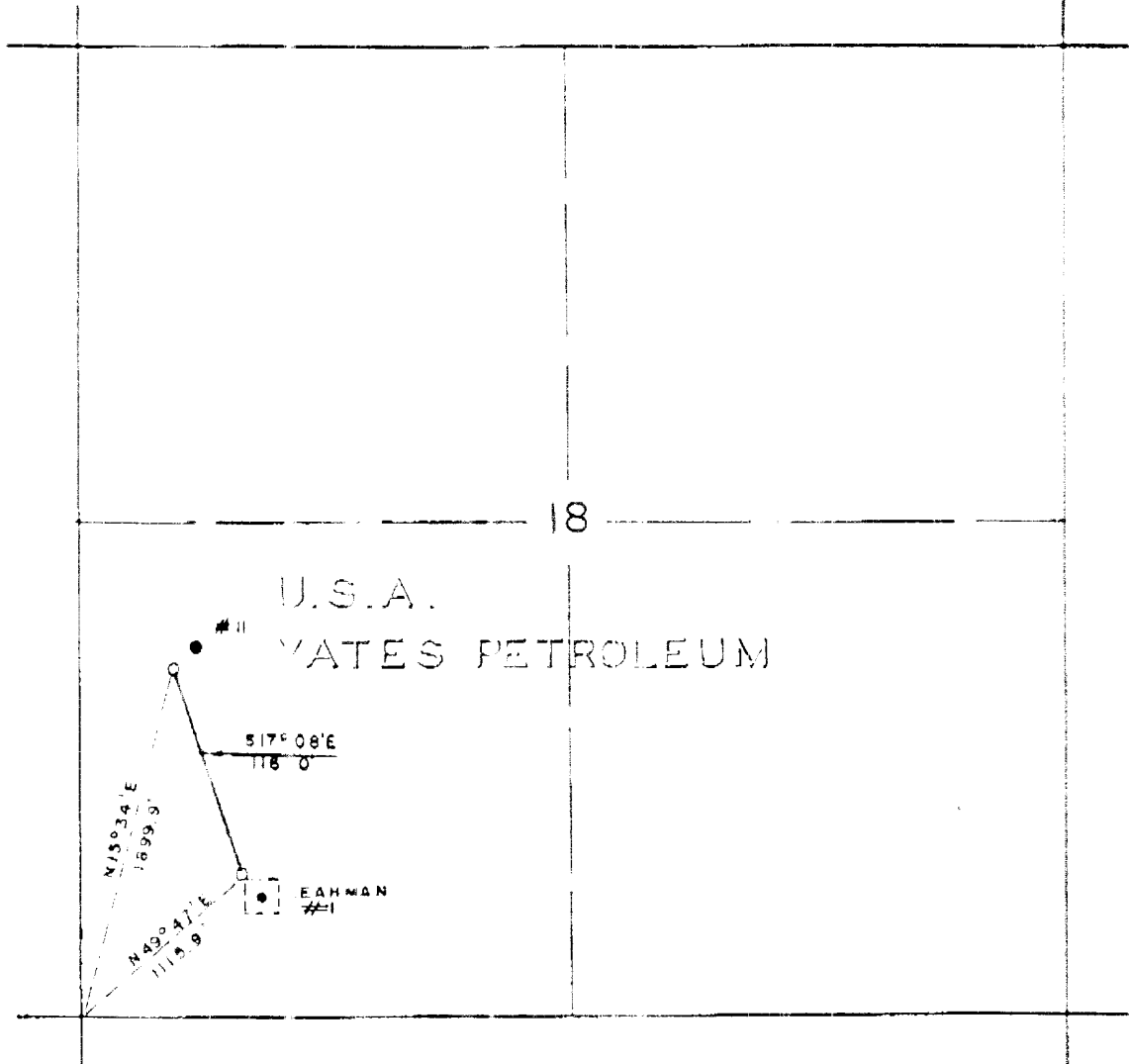
TIME ZONE BOUNDARY

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DAGGER DRAW ROAD MAP

EXHIBIT B

SECTION 18, TOWNSHIP 19 SOUTH, RANGE 25 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



LEGAL DESCRIPTION

A strip of land 50.0 feet wide and 116.0 feet or 0.22 miles
in length, being 25.0 feet left and 25.0 feet right of the
above platted centerline survey.



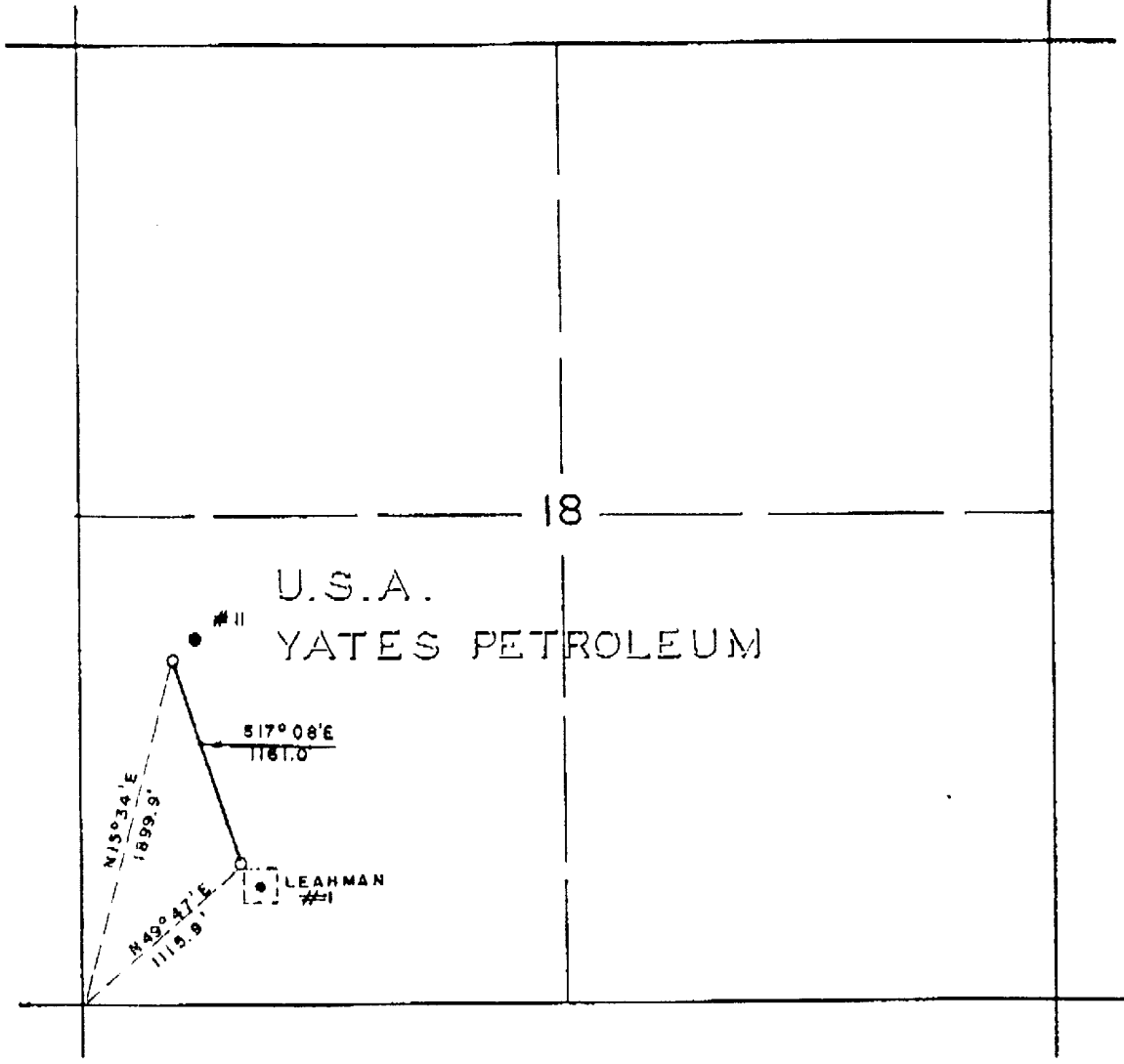
I HEREBY CERTIFY THAT THIS PLAT
WAS MADE FROM NOTES TAKEN IN THE FIELD
IN A BONA FIDE SURVEY MADE UNDER MY
SUPERVISION, AND THAT THE SAME IS TRUE
AND CORRECT TO THE BEST OF MY KNOWL
EDGE AND BELIEF

[Signature]
JOHN W. WEST, N.M. P.E. & L.S. No. 676
TEXAS R.P.S. No. 1138
RONALD J. EIDSON, N.M. L.S. No. 3239
TEXAS R.P.S. No. 1883

BARBARA FED. #11- ROAD

CONOCO, INC.			
A proposed road crossing Section 18, Township 19 South, Range 25 East, N.M.P.M., Eddy County, New Mexico.			
JOHN W. WEST ENGINEERING COMPANY CONSULTING ENGINEERS HOBBS, NEW MEXICO			
Scale: 1" = 1000'		Drawn By: R. Deporto	
Date: 3/6/91	Chk.	Sheet: 1 of 1	Sheets

SECTION 18, TOWNSHIP 19 SOUTH, RANGE 25 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



LEGAL DESCRIPTION

A strip of land 50.0 feet wide and 1161.0 feet or 0.22 miles in length, being 25.0 feet left and 25.0 feet right of the above platted centerline survey.



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John W. West

JOHN W. WEST, N.M. P.E. & L.S. No. 676
TEXAS R.P.S. No. 1138
RONALD J. EIDSON, N.M. L.S. No. 3239
TEXAS R.P.S. No. 1883

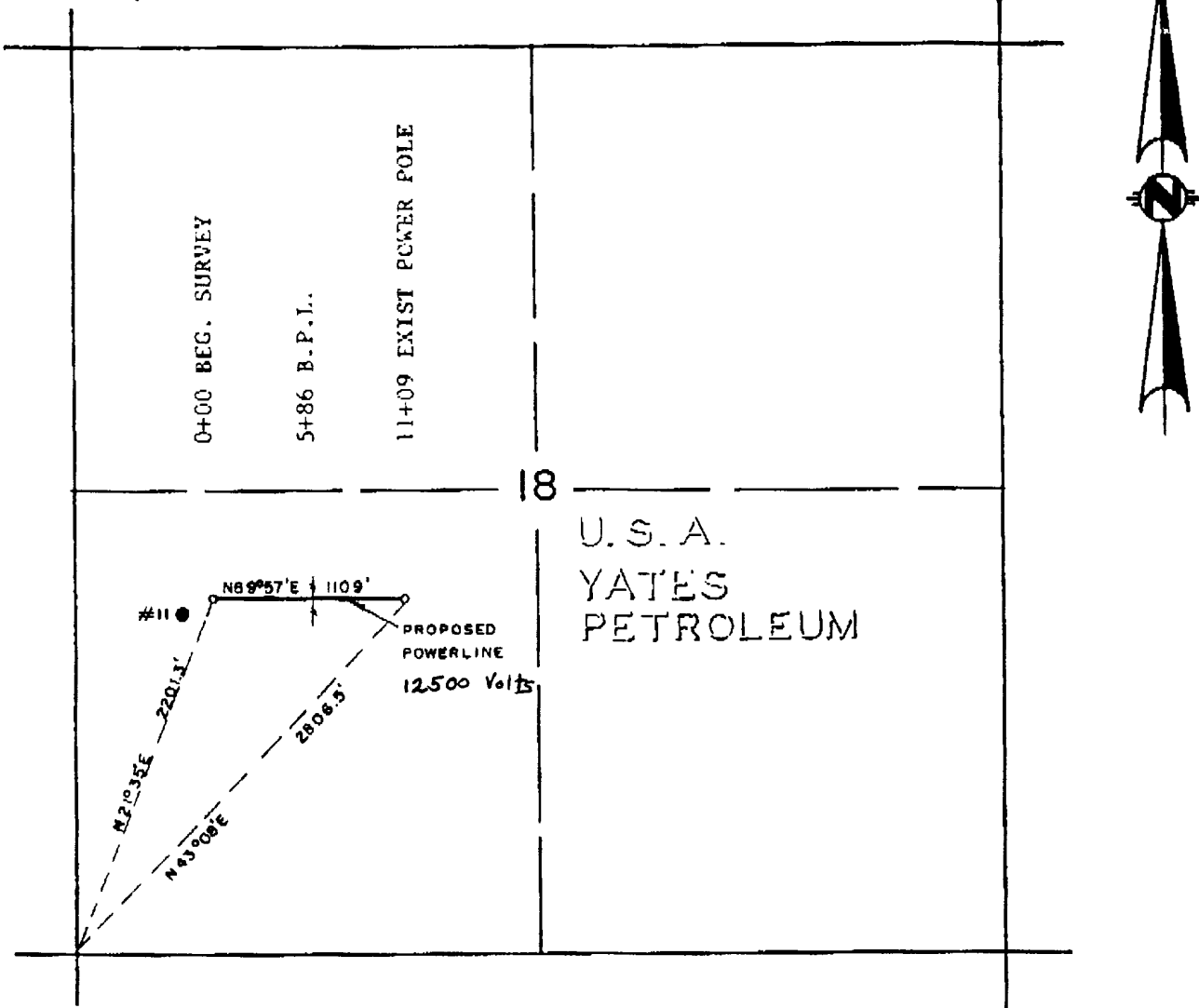
BARBARA FED. #11- ROAD

CONOCO, INC.

A proposed road crossing Section 18.
Township 19 South, Range 25 East, N.M.P.M.,
Eddy County, New Mexico.

JOHN W. WEST ENGINEERING COMPANY		HOBBS, NEW MEXICO	
CONSULTING ENGINEERS		Drawn By: R. Deporto	
Scale: 1" = 1000'		Date: 3/6/91	Ck.
		Sheet 1 of 1	Sheets

SECTION 18, TOWNSHIP 19 SOUTH, RANGE 25 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



LEGAL DESCRIPTION

A strip of land 50.0 feet wide and 1109.0 feet or 0.21 miles in length, being 25.0 feet left and 25.0 feet right of the above platted centerline survey.



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION, AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John W. West
JOHN W. WEST, N.M. P.E. & L.S. No. 676
TEXAS R.P.S. No. 1138
RONALD J. EIDSON, N.M. L.S. No. 3239
TEXAS R.P.S. No. 1883

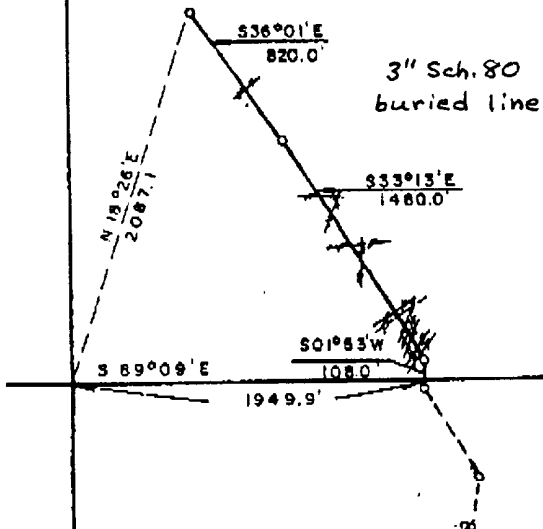
BARBARA FED. #11-POWERLINE

CONOCO, INC.	
A proposed powerline crossing Section 18, Township 19 South, Range 25 East, N.M.P.M., Eddy County, New Mexico.	
JOHN W. WEST ENGINEERING COMPANY CONSULTING ENGINEERS HOBBS, NEW MEXICO	
Scale: 1" = 1000'	Drawn By: R. Donorto
Date: 3/7/91	Ck. Sheet 1 of 1 Sheets



U.S.A.
YATES PETROLEUM

18



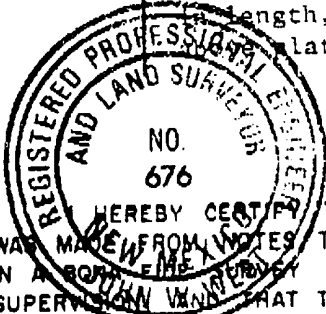
- 01+00 LOCATION NO. 11
- 5+34 BPL
- 8+20 P.I. 02°50' RT.
- 12+49 BPL
- 13+06 BPL
- 15+00 C TOWERLINE 4/W
- 16+99 BPL
- 17+59 C CALICHE RD.
- 20+89 C POWERLINE 4/W
- 22+02 POWERLINE 6/W
- 22+18 2-3" PLASTIC LN.
- 22+49 BPL
- 22+72 BPL
- 22+92 BPL
- 23+00 P.I. 35°06' RT.
- 23+48 FENCE R/W
- 23+53 EDGE ASPHALT
- 23+64 C EDDY CO. RD. NO. 21
- 23+75 EDGE ASPHALT
- 23+86 BURIED PHONE LINE & R/W
- 24+08 E&W SECTION LINE
- 24+39 P.I. 28°04' LT.
- 24+66 C CALICHE RD. 12'W
- 29+95 BPL
- 30+05 STAKED LINE FROM CLYDE NO. 1
- 30+22 P.I. 39°00' RT.
- 32+92 P.I. 90°00' RT.
- 33+28.5 E.O.L. 2' SOUTH OF FENCE

FEE LAND
HERALD HOUGHTALING

19

LEGAL DESCRIPTION

A strip of land 50.0 feet wide and 2408.0 feet or 0.46 miles in length, being 25.0 feet left and 25.0 feet right of the platatted centerline survey.



HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A SURVEY MADE UNDER MY SUPERVISION AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John W. West

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RONALD J. EIDSON, N.M. L.S. No. 3239
TEXAS R.P.S. No. 1883

BARBARA FED. #11-FLOWLINE

CONOCO, INC.

A proposed flowline crossing Section 18, Township 19 South, Range 25 East, N.M.P.M., Eddy County, New Mexico.

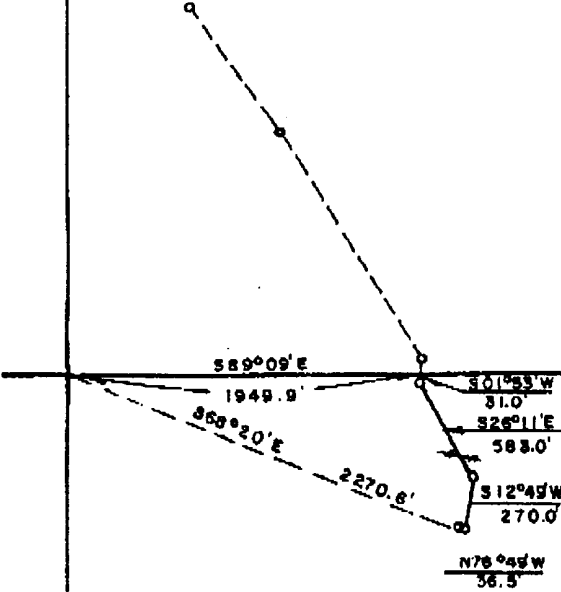
JOHN W. WEST ENGINEERING COMPANY			
CONSULTING ENGINEERS		HOBBS, NEW MEXICO	
Scale: 1" = 1000'	Drawn By: R. Daporto		
Date: 3/6/91	Ck.	Sheet 1 of 1	Sheets



U.S.A.
YATES PETROLEUM

18

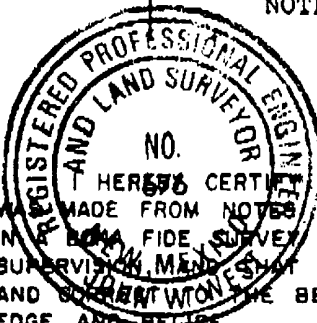
- 0+00 LOCATION NO. 11
- 5+34 BPL
- 8+20 P.I. 02°30' RT.
- 12+49 BPL
- 13+06 BPL
- 15+00 C POWERLINE 4/W
- 16+99 BPL
- 17+59 C CALICHE RD.
- 20+89 C POWERLINE 4/W
- 22+02 POWERLINE 6/W
- 22+18 2-3" PLASTIC LN.
- 22+49 BPL
- 22+72 BPL
- 22+92 BPL
- 23+00 P.I. 35°06' RT.
- 23+48 FENCE R/W
- 23+53 EDGE ASPHALT
- 23+64 C EDDY CO. RD. NO.21
- 23+75 EDGE ASPHALT
- 23+86 BURIED PHONE LINE & R/W
- 24+08 E&W SECTION LINE
- 24+39 P.I. 28°04' LT.
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- 30+22 P.I. 39°00' RT.
- 32+92 P.I. 90°00' RT.
- 33+28.5 E.O.L. 2' SOUTH OF FENCE



FEE LAND
HERALD HOUGHTALING

19

NOTE: See Sheet 2 of 2 for Legal Description



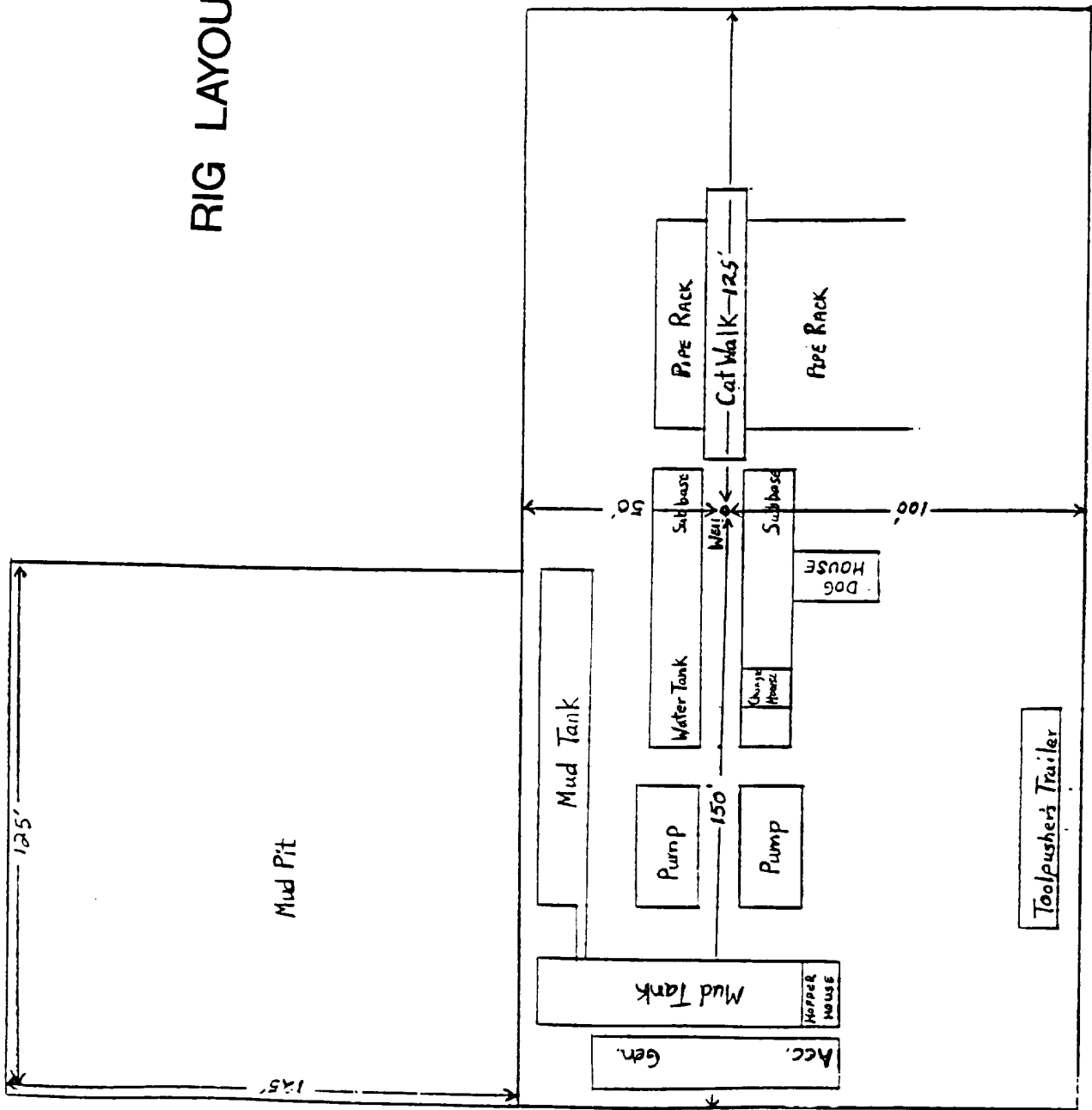
HEREBY CERTIFY THAT THIS PLAT
MADE FROM NOTES TAKEN IN THE FIELD
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SUPERVISION, AND THAT THE SAME IS TRUE
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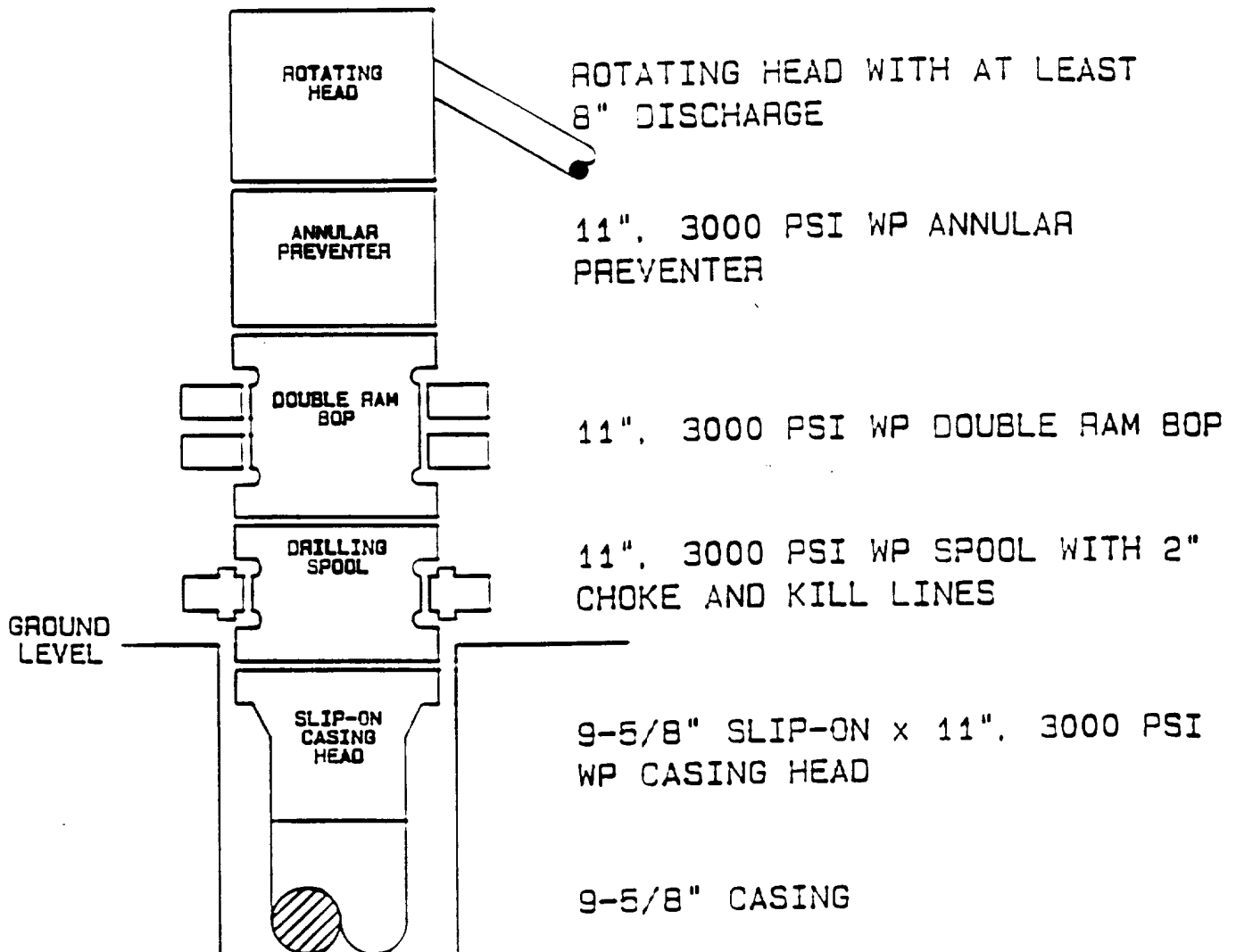
BARBARA FED. #11-FLOWLINE

CONOCO, INC.	
A proposed flowline crossing Section 19, Township 19 South, Range 25 East, N.M.P.M., Eddy County, New Mexico.	
JOHN W. WEST ENGINEERING COMPANY CONSULTING ENGINEERS HOBBS, NEW MEXICO	
Scale: 1" = 1000'	Drawn By: R. Donatto
Date: 3/6/91	Ch. Sheet 1 of 2 Sheets

RIG LAYOUT



BOP SPECIFICATIONS



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. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
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

Auxillary equipment added as appropriate includes:

- | | |
|-------------------------------------|------------|
| a. annular preventor | <u>YES</u> |
| b. rotating head | <u>YES</u> |
| c. mud-gas separator | <u>N/A</u> |
| d. flare line and means of ignition | <u>N/A</u> |
| e. remote operated choke | <u>N/A</u> |

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 Test intervals are as follows:

DST No. 1	<u>NONE</u>	ft. to	<u> </u>	ft.
DST No. 2	<u> </u>	ft. to	<u> </u>	ft.
DST No. 3	<u> </u>	ft. to	<u> </u>	ft.

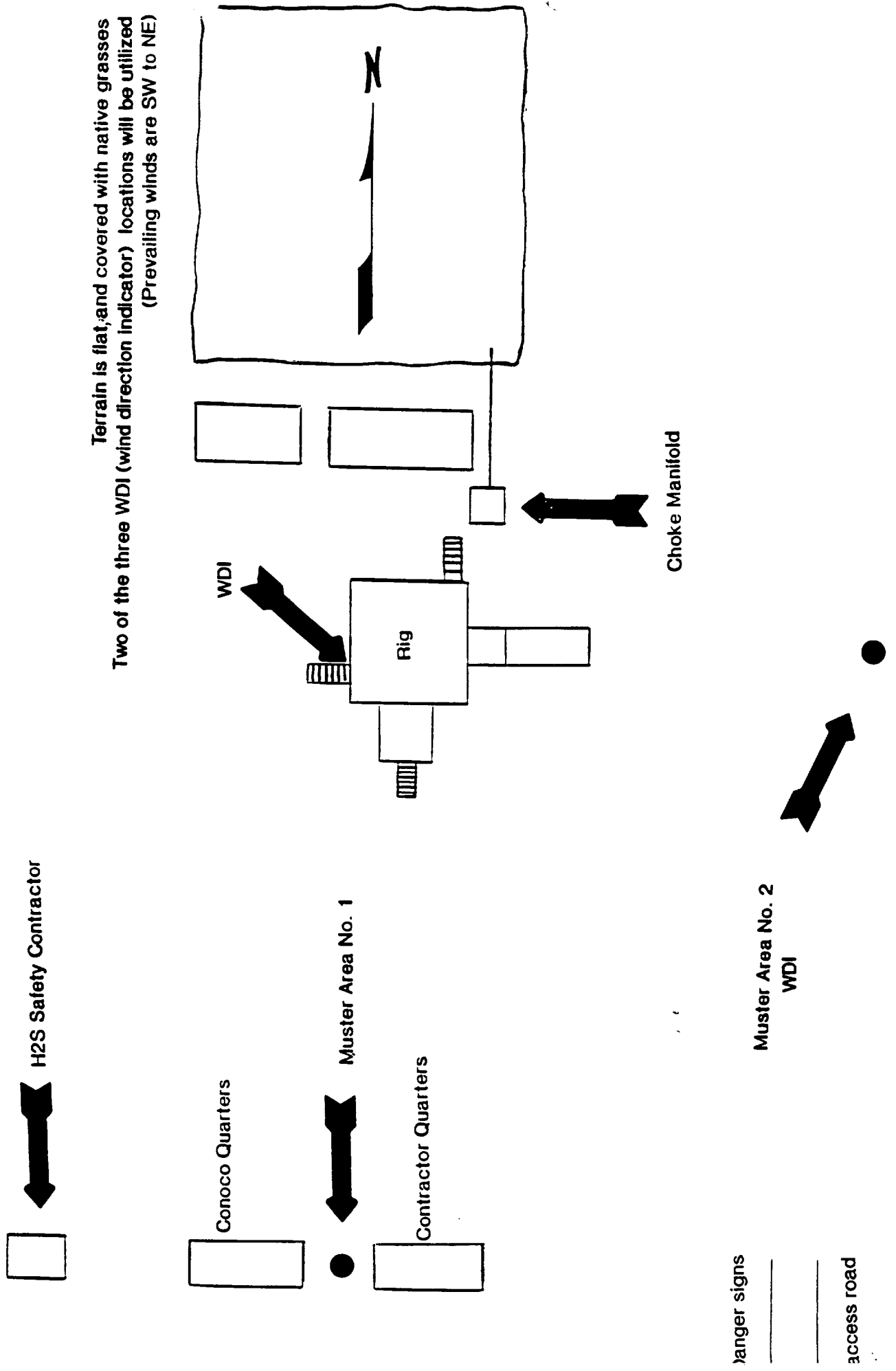
Drill Stem Testing Safety Rules are attached.

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

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



anger signs

 access road