

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Conoco Inc.

a. ADDRESS AND TELEPHONE NO

10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500

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

At surface

660' FSL & 340' FWL

At proposed prod. zone

660' FSL & 340' FWL

Unit M

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

5. LEASE DESIGNATION AND SERIAL NO

LC 031621B

6 IF INDIAN, ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT NAME

Britt B

8. FARM OR LEASE NAME WELL NO

34

9. API WELL NO

10. FIELD AND POOL, OR WILDCAT

Monument Paddock

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

Sec. 10, T20S, R37E

12 COUNTY OR PARISH

Lea

13. STATE

NM

5. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if Any)

16 NO OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

8. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

5300'

20. ROTARY OR CABLE TOOLS

Rotary

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

3558' GR

22. APPROX. DATE WORK WILL START*

5-15-98

23

PROPOSED CASING AND CEMENT DATA

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	M-50, 8-5/8"	23#	1250'	15 sxs, circ.
7-7/8"	K-55, 5-1/2"	15.5#	5300'	960 sxs, circ.

It is proposed to drill a vertical wellbore as a Monument Paddock producer. NOS was filed 3/30/98. The well be be drilled and equipped according to the plan submitted in the following attachments:

1. Well Location and Acreage Dedication Plat (C-102) along with other associated maps and plats.
2. Proposed Well Plan Outline
3. Cementing Plan
4. Surface Use Plan
5. Trailer Mounted Rig Layout Drawing
6. BOP & Choke Manifold Specifications
7. H2S Drilling Operations Plan

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

OPER. OGRID NO. 5073

PROPERTY NO. 2999

POOL CODE 47080

EFF. DATE 7/2/98

API NO. 30.025-34444

This application includes ROW's for the well pad, electric line and flowline.

The undersigned accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land or potion thereof, as described above and as covered by BLM Bond File No. ES-0085.

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

Jo Ann Johnson

Jo Ann Johnson

Property Analyst

DATE

4/27/98

(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 thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

(ORIG. SGD.) ARMANDO A. LOPEZ

TITLE

Acting AFOM
LANDS & MINERALS

DATE

JUN 30 1998

*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., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-025-34444	*Pool Code 47080	*Pool Name Monument Paddock
*Property Code 002999	*Property Name BRITT B	*Well Number 34
*OGRID No. 005073	*Operator Name CONOCO INC.	*Elevation 3558'

¹⁰Surface Location

UL or lot no. M	Section 10	Township 20-S	Range 37-E	Lot Idn	Feet from the 660	North/South line SOUTH	Feet from the 340	East/West line WEST	County LEA
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¹¹Bottom 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
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*Dedicated Acres 40	*Joint or Infill	*Consolidation Code	*Order No.
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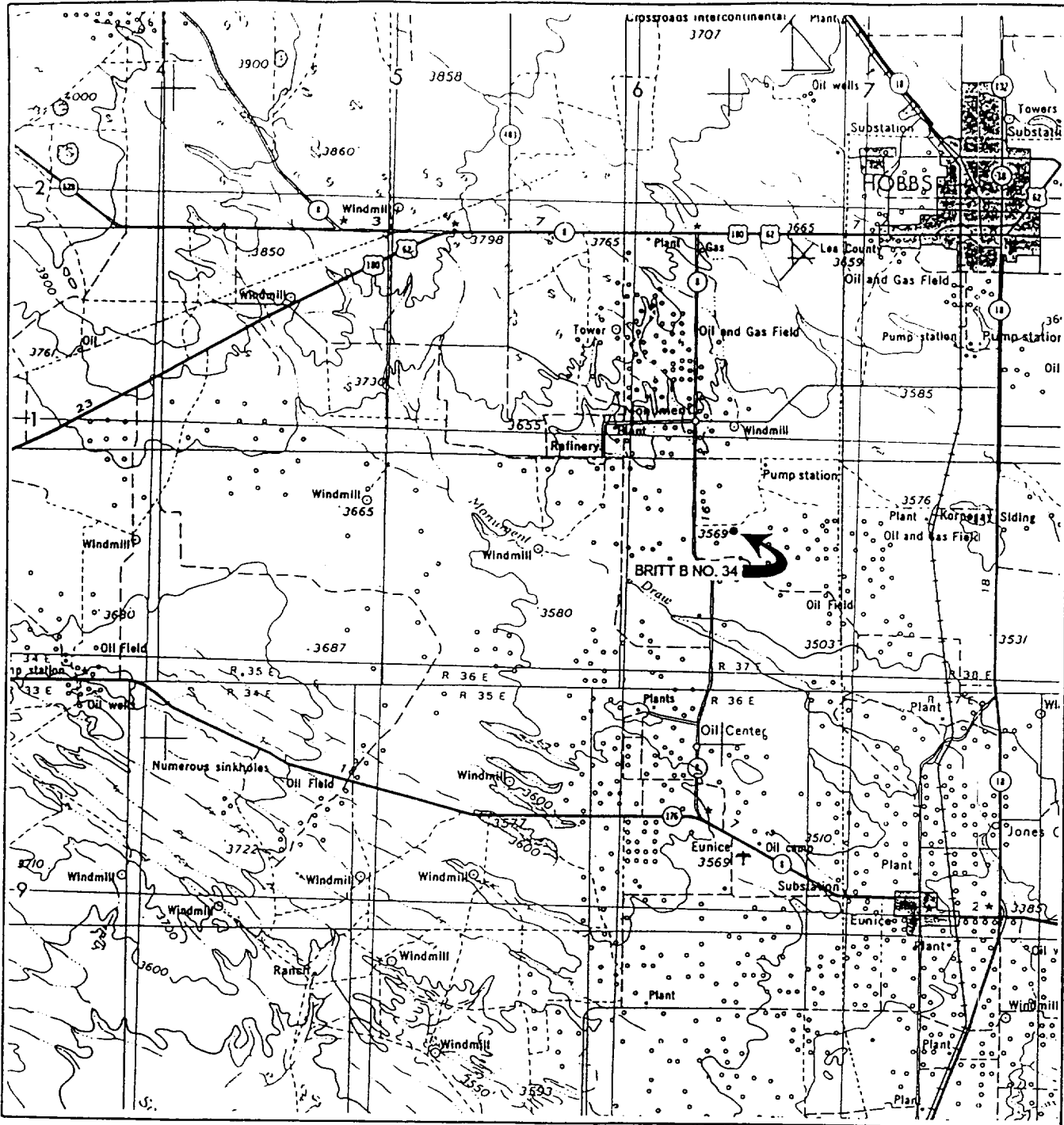
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16						17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Jo Ann Johnson Printed Name Property Analyst Title 4/27/98 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 best of my belief. APRIL 8, 1998 Date of Survey Signature and Seal of Professional Surveyor: Certificate Number 8278

LAT.=32°34'56"
LONG.=103°14'47"

340'
660'

VICINITY MAP



WTC 45236

SCALE: 1" = 4 MILES

SEC. 10 TWP. 20-S RGE. 37-E

SURVEY N.M.P.M

COUNTY LEA STATE NM

DESCRIPTION 660' FSL & 340' FWL

ELEVATION 3558'

OPERATOR CONOCO INC.

LEASE BRITT B NO. 34

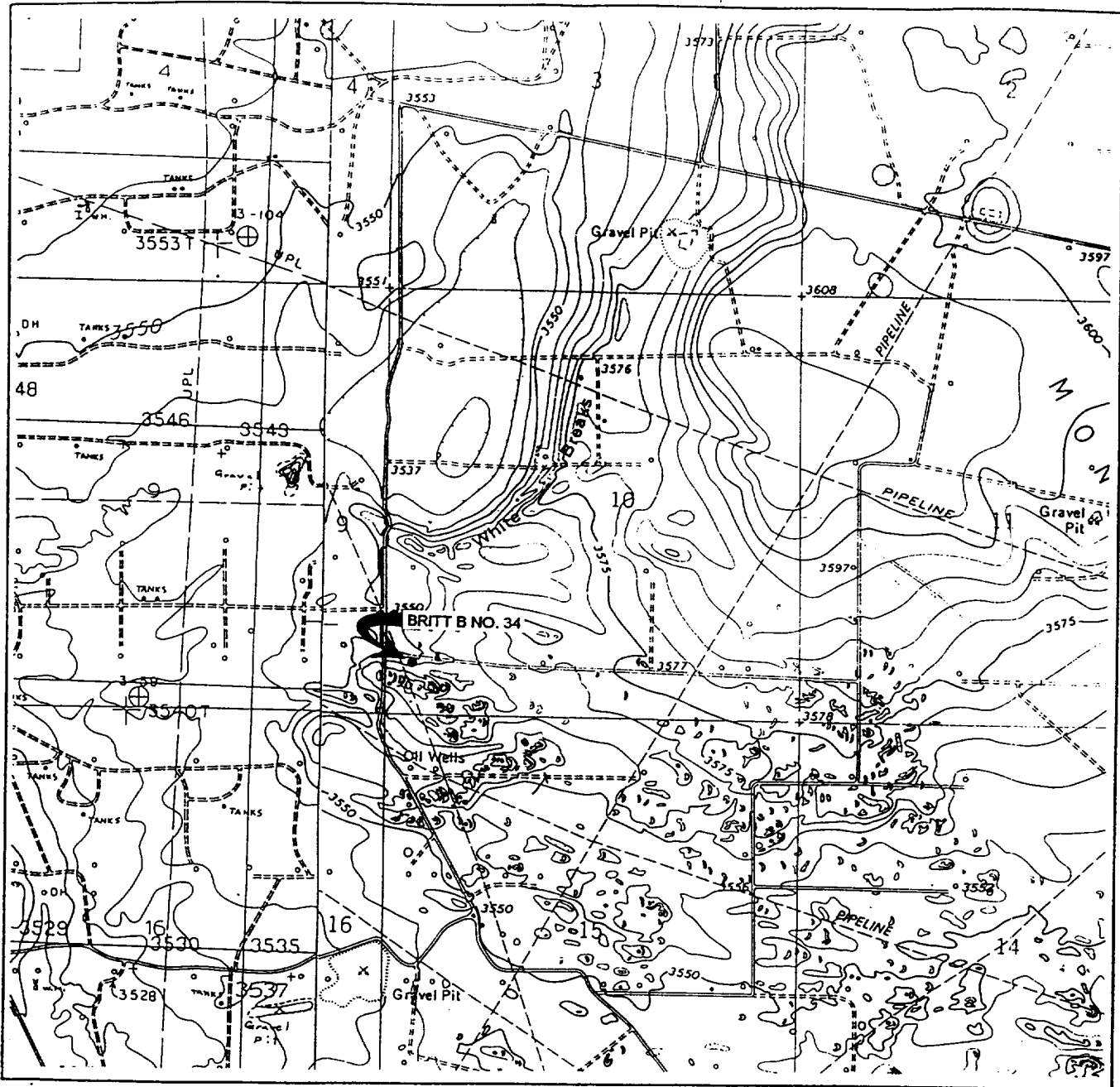
WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

WTC 45236

SEC. 10 TWP. 20-S RGE. 37-E

CONTOUR INTERVAL 5'

SURVEY N.M.P.M

COUNTY LEA STATE NM

DESCRIPTION 660' FSL & 340' FEL

ELEVATION 3558'

OPERATOR CONOCO INC.

LEASE BRITT B WELL NO. 34

USGS TOPO MAP HOBBS SW, NEW MEXICO,

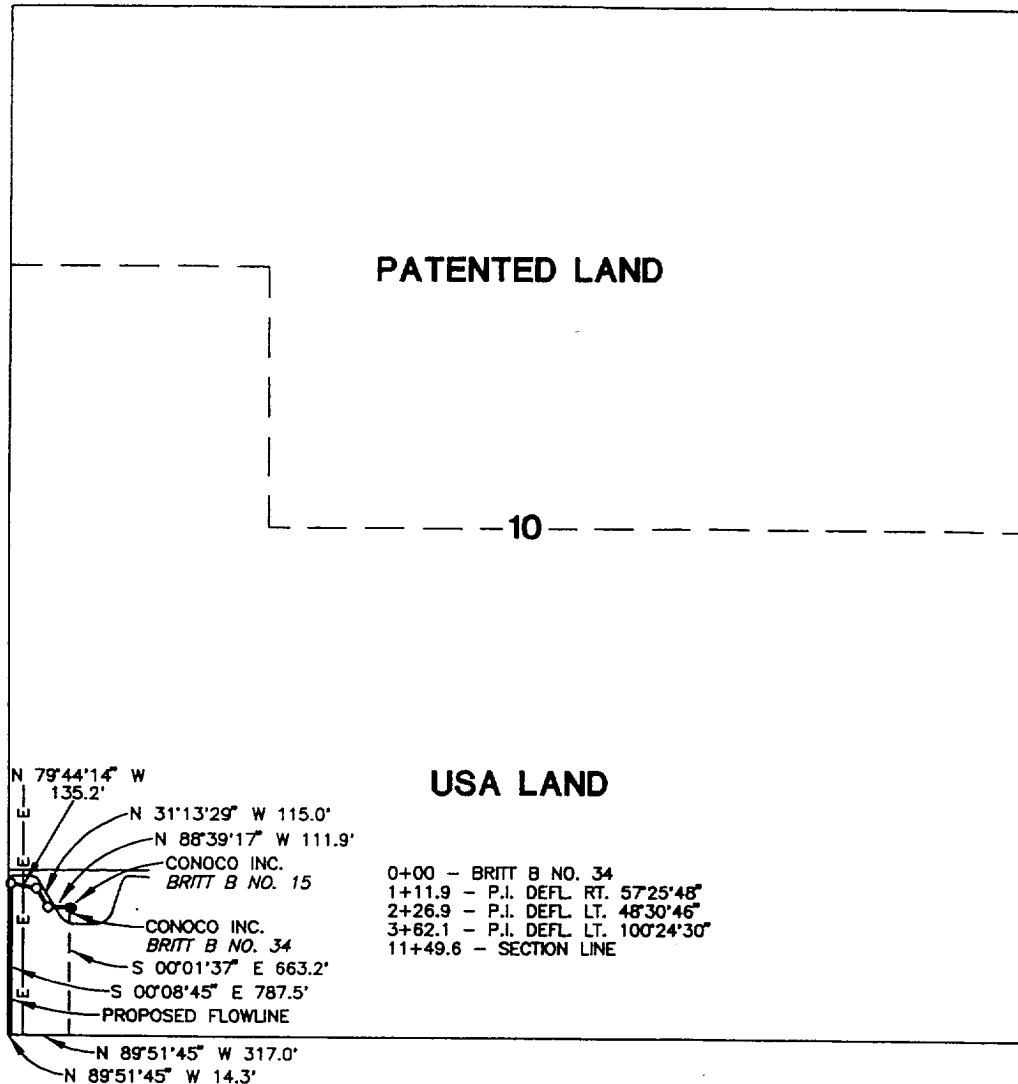
WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

SECTION 10, TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO



CENTERLINE DESCRIPTION OF A PROPOSED FLOWLINE:

BEGINNING at Conoco Inc. BRITT B No. 34, from which point the southwest corner of Section 10, T-20-S, R-37-E, N.M.P.M., Lea County, New Mexico, bears S 00° 01' 37" E, 663.2 feet and N 89° 51' 45" W, 317.0 feet;

THENCE with the centerline of proposed flowline as follows: N 88° 39' 17" W, 111.9 feet; N 31° 13' 29" W, 115.0 feet; N 79° 44' 14" W, 135.2 feet; and S 00° 08' 45" E, 787.5 feet to a point in the South-Line of said Section 10, for the end of this line, from which point the southwest corner of said Section 10 bears N 89° 51' 45" W, 14.3 feet.

I hereby certify that this plat was prepared from an actual survey made on the ground and meets or exceeds all requirements for land surveys as specified by the state of New Mexico.

Earl Foote



Earl Foote
Registered Professional Surveyor
New Mexico Certificate No. 8278

PROPOSED FLOWLINE TO SERVE
BRITT B No. 34

CONOCO INC.

1149.6 feet of proposed flowline in
Section 10, T-20-S, R-37-E, N.M.P.M.,
Lea County, New Mexico

WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

Survey Date: 4-8-98

Date: 4-18-98

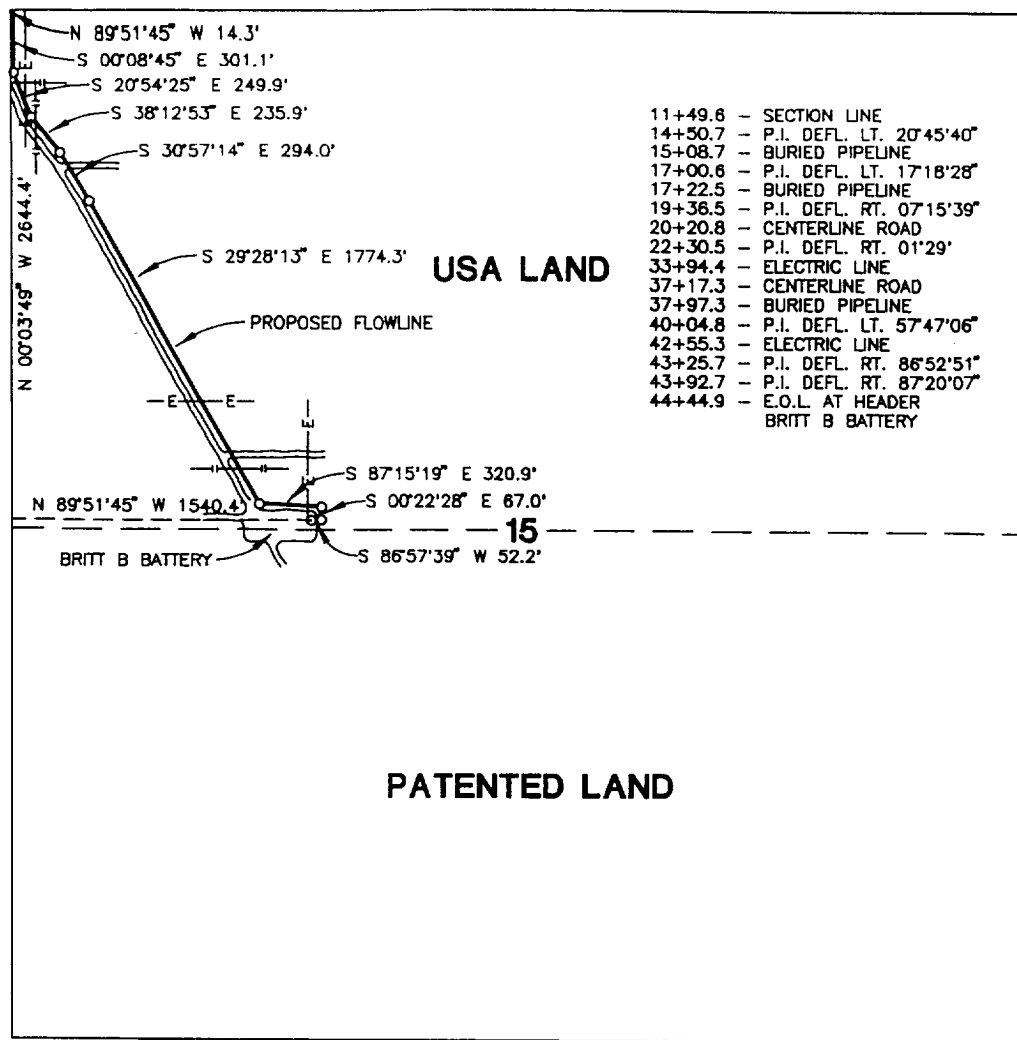
Scale: 1" = 1000'

WTC No. 45238

Drawn By: R.S.

Sheet 1 of 2

SECTION 15, TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO

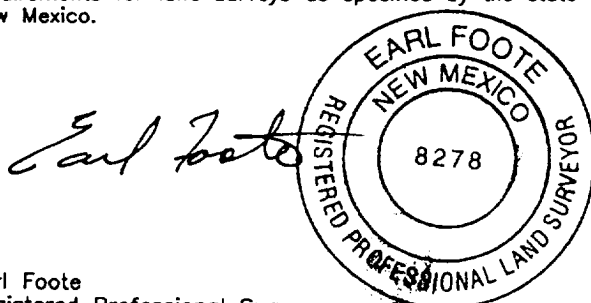


CENTERLINE DESCRIPTION OF A PROPOSED FLOWLINE:

BEGINNING at a point in the North Line of Section 15, T-20-S, R-37-E, N.M.P.M., Lea County, New Mexico, from which point the northwest corner of said Section 15 bears N 89° 51' 45" W, 14.3 feet;
THENCE with the centerline of proposed flowline as follows: S 00° 08' 45" E, 301.1 feet;
S 20° 54' 25" E, 249.9 feet; S 38° 12' 53" E, 235.9 feet; S 30° 57' 14" E, 294.0 feet; S 29° 28' 13" E, 1774.3 feet; S 87° 15' 19" E, 320.9 feet; S 00° 22' 28" E, 67.0 feet and S 86° 57' 39" W, 52.2 feet to a point at the HEADER BRITT B BATTERY, for the end of this line, from which point the northwest corner of said Section 15 bears N 89° 51' 45" W, 1540.4 feet and N 00° 03' 49" W, 2644.4 feet.

PROPOSED FLOWLINE TO SERVE
BRITT B No. 34

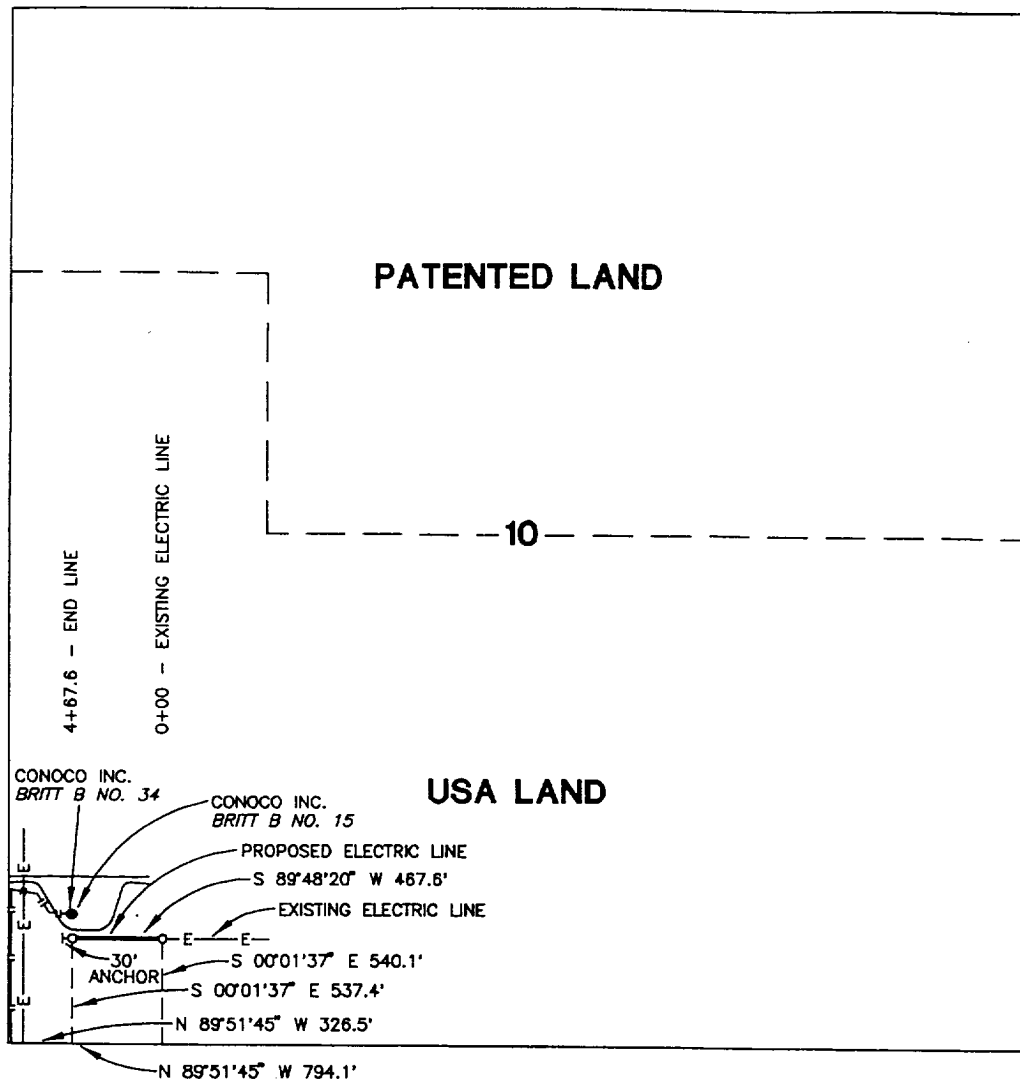
I hereby certify that this plat was prepared from an actual survey made on the ground and meets or exceeds all requirements for land surveys as specified by the state of New Mexico.



Earl Foote
Registered Professional Surveyor
New Mexico Certificate No. 8278

CONOCO INC.		
3295.3 feet of proposed flowline in Section 15, T-20-S, R-37-E, N.M.P.M., Lea County, New Mexico		
WEST TEXAS CONSULTANTS, INC. ENGINEERS-PLANNERS-SURVEYORS MIDLAND, TEXAS		
Survey Date: 4-8-98	Date: 4-18-98	Scale: 1" = 1000'
WTC No. 45236	Drawn By: R.S.	Sheet 2 of 2

SECTION 10, TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO



CENTERLINE DESCRIPTION OF A PROPOSED ELECTRIC LINE:

BEGINNING at a point in an existing electric line, from which point the southwest corner of Section 10, T-20-S, R-37-E, N.M.P.M., Lea County, New Mexico bears S 00° 01' 37" E, 540.1 feet and N 89° 51' 45" W, 794.1 feet;
THENCE S 89° 48' 20" W, with the centerline of proposed electric line, 467.6 feet to a point for the end of this line, from which point an anchor easement bears S 89° 48' 20" W, 30.0 feet and the southwest corner of Section 10 bears S 00° 01' 37" E, 537.4 feet and N 89° 51' 45" W, 326.5 feet.

I hereby certify that this plat was prepared from an actual survey made on the ground and meets or exceeds all requirements for land surveys as specified by the state of New Mexico.

Earl Foote
Registered Professional Surveyor
New Mexico Certificate No. 8278

PROPOSED ELECTRIC LINE TO SERVE
BRITT B No. 34

CONOCO INC.

467.6 feet of proposed electric line in
Section 10, T-20-S, R-37-E, N.M.P.M.,
Lea County, New Mexico

WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

Survey Date: 4-8-98

Date: 4-16-98

Scale: 1" = 1000'

WTC No. 45238

Drawn By: R.S.

Sheet 1 of 1

PROPOSED WELL PLAN OUTLINE

WELL NAME
LOCATION

Britt B No. 34

660' EST. & 340' FWL, Sec. 10, T20S, R37E, Lea Co., NM

Ground Level: 3558'
Kelly Bushing:

Depth MD	FORMATION TOPS	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING PROGRAM	FRAC GRAD	FORM. PRES. GRAD.	Mud Weight & Type	Days
0		Possible Hole Enlargement & Sloughing		12-1/4"			Normal	8.4 - 9.5 Fresh	
1000					8-5/8", 23#, M-50 ST&C @ 1250'				
	Rustler 1203'	Washouts in Salt Section			515 sx, circ.			10 Brine	3
2000									
	Base Salt 2530'								
	Yates 2616	Possible Losses	Muddloggers on at 2600'						
	7 Rivers 2867			7-7/8"					
3000									
	Queen 3378		H2S Monitor on at 3500'						
	Grayburg 3656	Pressure Depleted Possible losses to TD.							
	San Andres 3869								7
4000									
			BPB to log well		Top Tail Cement at 4400' based on a minimum job volume of 200 sx.				
			Pull Caliper to surface shoe.						
5000									
	Glorietta 5163				5-1/2", 15.5#, K-55 LT&C @ 5300'			10 ppg Starch Gel	10
	Paddock 5236		D/H-MH-Fdc-Gr-Cnl-Pe-Cal TD-2600'		960 sx, circ.				11
	TD: 5300'								

DATE

16-Apr-98

APPROVED

Jim Tietema
Jim Tietema, Drilling Engineer

Marc Durkee
Marc Durkee, Production Engineer

Trent Boneau
Trent Boneau, Reservoir Engineer

Well Name : Britt B #34

Location : 660' FSL & 340' FWL
Sec. 10, T-20S, R-37E
Lea County, NM

Casing Program :

Surface 8 5/8" casing in 12 1/4" Hole at 1250 ft.
Production 5 1/2" casing in 7 7/8" Hole at 5300 ft.

Cementing Program :

Surface

Lead	<u>315</u>	sacks	<u>Class C</u>
Additives	<u>35:65:6 (Poz:Cem:Gel) + 2% CACL2</u>		
	<u>+ 0.25 pps Cello-Flake</u>		
Mixed at	<u>12.7</u>	ppg	Yield <u>1.87</u> cuft/sk
Tail	<u>200</u>	sacks	<u>Class C</u>
Additives	<u>2% A-7P</u>		
Mixed at	<u>14.8</u>	ppg	Yield <u>1.31</u> cuft/sk

Production

Lead	<u>760</u>	sacks	<u>Class C</u>
Additives	<u>16% Gel + 0.4% CD-32 + 0.2% SMS</u>		
Mixed at	<u>12</u>	ppg	Yield <u>2.69</u> cuft/sk
Tail	<u>200</u>	sacks	<u>Class C</u>
Additives	<u>1.1% FL-62 + 1% BA-58 + 3% Salt + 0.3% CD-32</u>		
	<u>+ 0.2% SMS</u>		
Mixed at	<u>14.8</u>	ppg	Yield <u>1.37</u> cuft/sk
Free Water	<u>0</u>	%	Fluid Loss <u>45</u> cc/30 min.

SURFACE USE PLAN

Conoco Inc.

Britt B No. 34

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

1. Existing Roads

A. The proposed well site is 660' FSL & 340' FWL, Sec. 10, T20S, R37E, Lea County, New Mexico.

B. Directions to the location are as follows:

Travel south of Hobbs on Hwy 62/180 for 4.6 miles to Hwy 8; turn south and travel 7 miles; turn east and travel 1 mile to location 500' to the southeast.

C. No improvement or maintenance is anticipated for the existing roads.

2. Planned Access Roads

A. No new access road will be required.

B. No turnouts required.

C. No culverts required.

D. No gates, cattleguards, or fences required.

3. Topographic Map and Well Location

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

4. Additional Rights-of-Way

Electric line and flowline as shown on attached plats.

5. Water Supply

Fresh and brine water will be obtained from Goldstar's Water Station located 1 mile north of Eunice, NM. on Loop 18, 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 the NW/4 SE/4, Sec. 9, T20S, R37E, Lea County, NM.

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 surface ownership is USA.

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:

Troy L. Early
10 Desta Drive, Suite 430E
Midland, Texas 79705
(915) 686-5579

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.

Troy L. Early

Troy L. Early
Right-of-Way Agent

4-27-98

Date

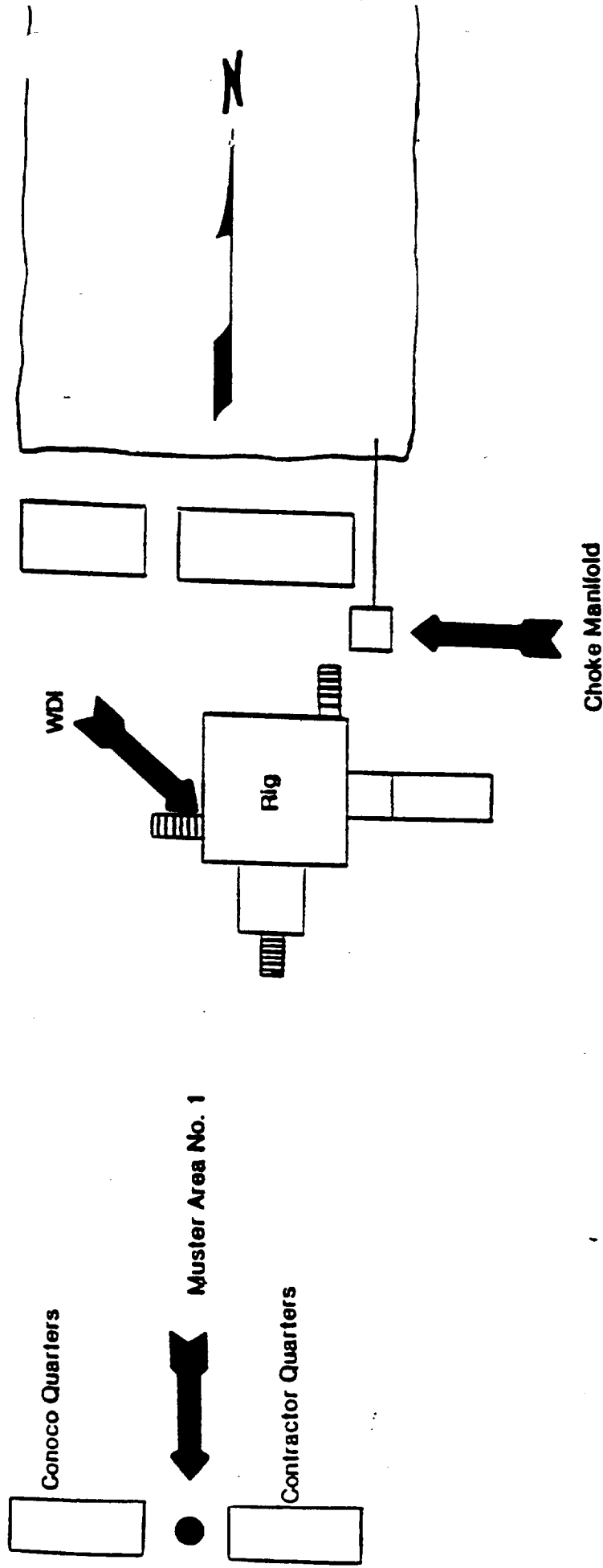
WELLSITE LAYOUT



WDI



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)



Muster Area No. 2
WDI



TRAILER - MOUNTED RIG LAYOUT

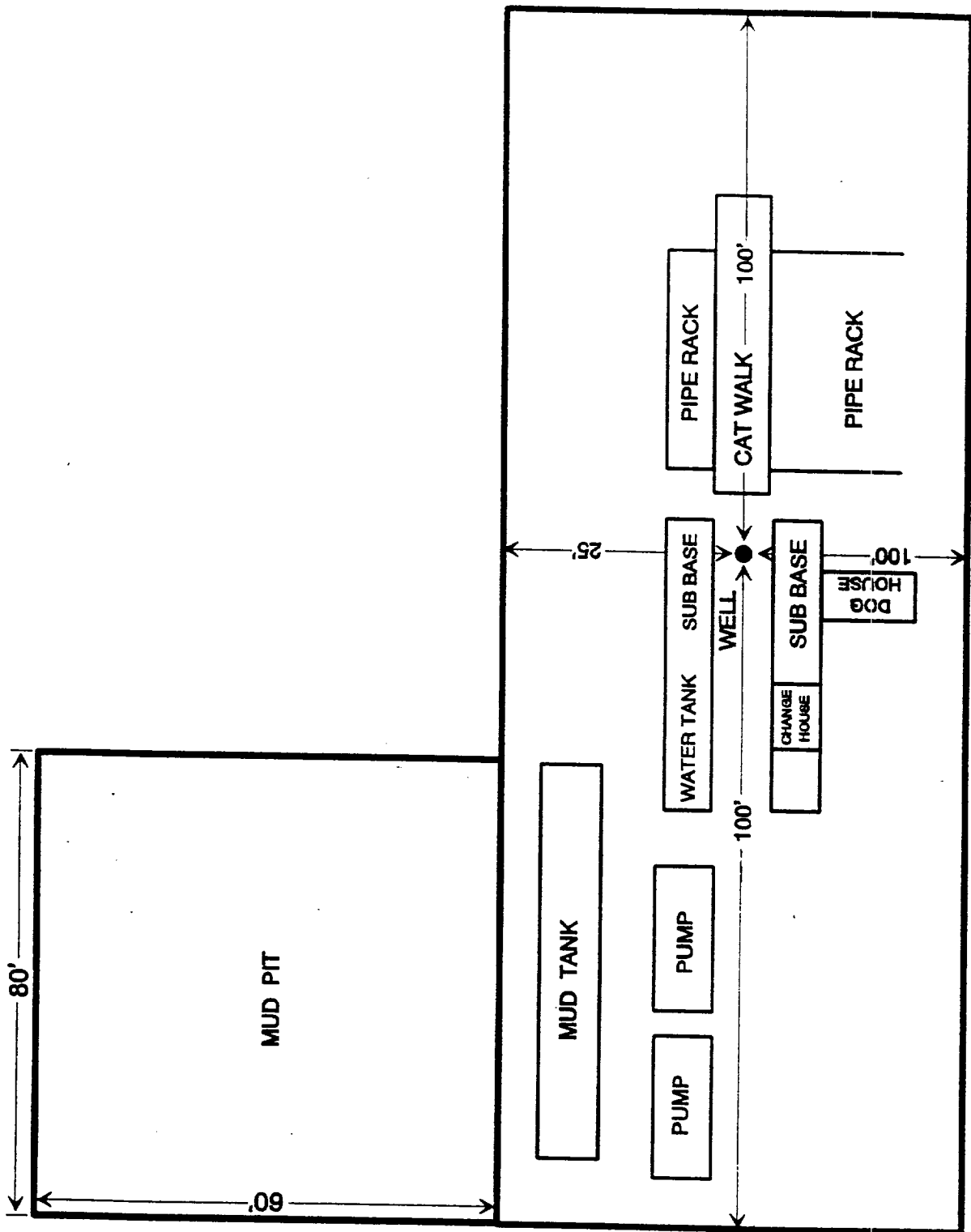
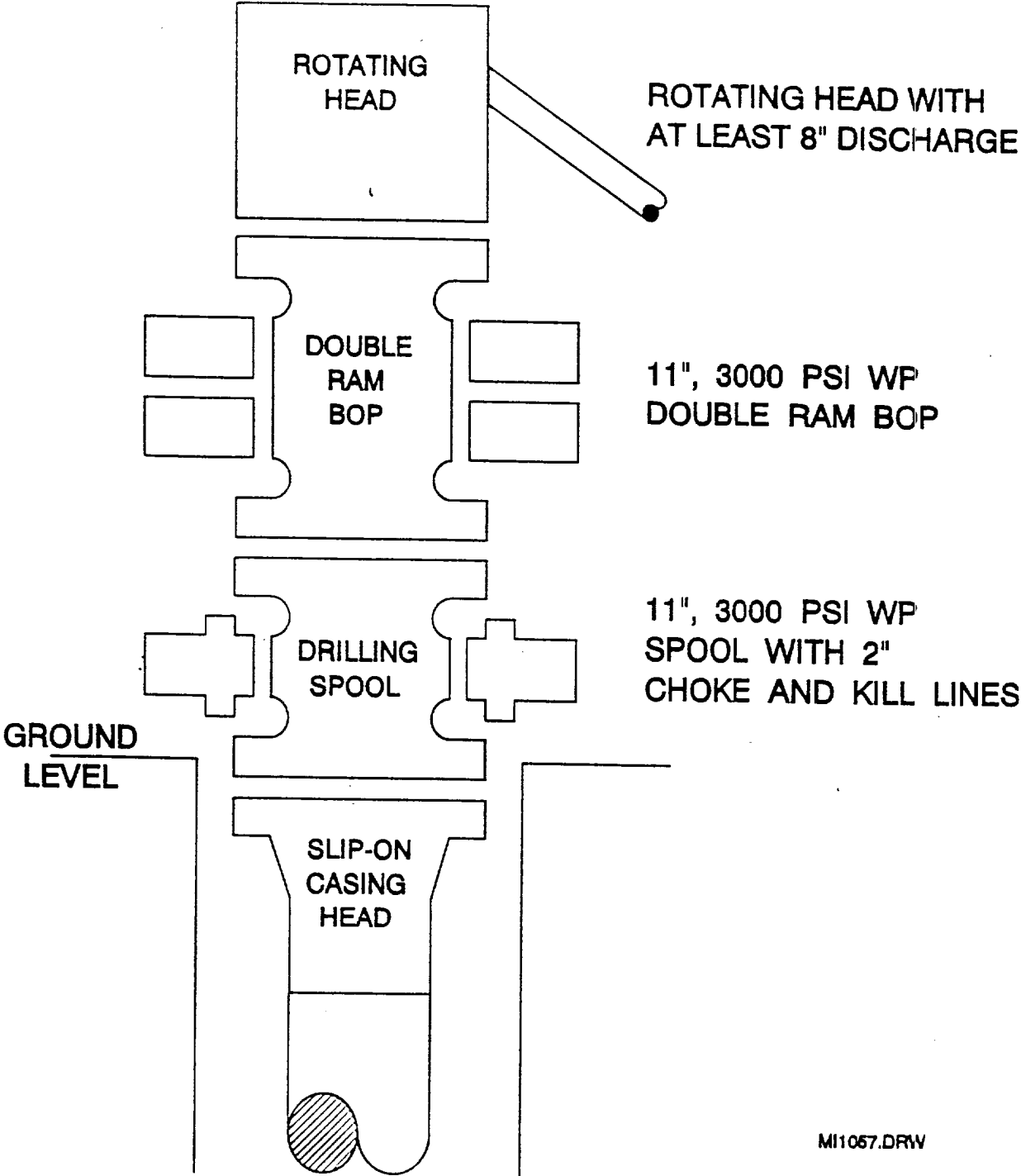
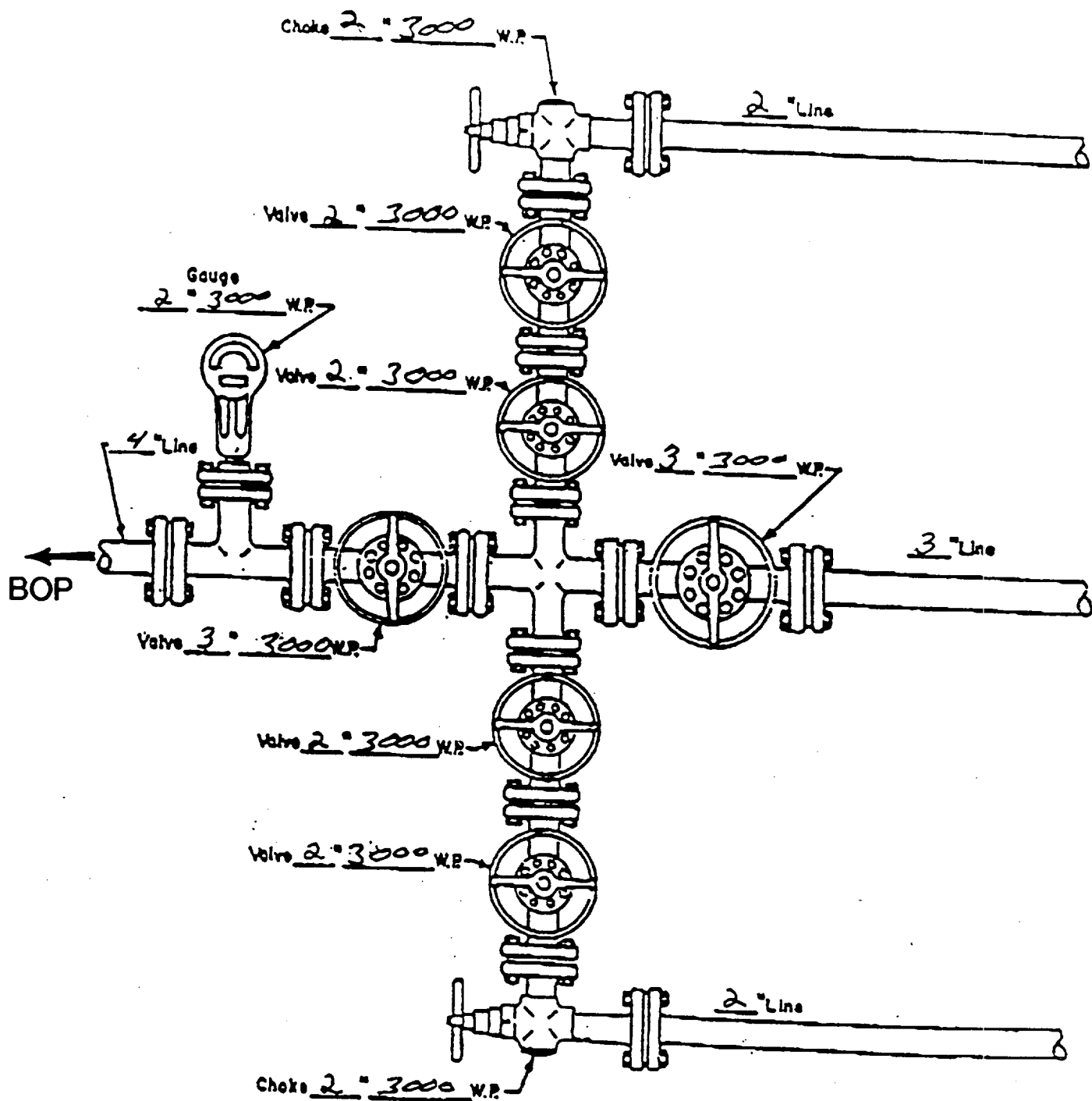


EXHIBIT D

BOP SPECIFICATIONS



CHOKE MANIFOLD DIAGRAM



MANIFOLD
3000 #W.P.

- ☒ Manual
- ☐ Hydraulic

H2S DRILLING OPERATIONS PLAN

I. Hydrogen Sulfide Training

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

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

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

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

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

II. H2S EQUIPMENT AND SYSTEMS

1. Safety Equipment

The following safety equipment will be on location:

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