

OPER. BOARD NO. 22351  
 PROPERTY NO. 10944  
 UNITE DEPARTMENT POOL CODE 26412  
 BUREAU OF LAND EFF. DATE 12/24/96  
 API NO. 30-025-33211

*NON* 11-21-96

FORM APPROVED  
 Budget Bureau No. 1004-0136  
 Expires: December 31, 1991

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.  
 NM 14218

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and Number  
 C. C. FRISTOE 'B' FEDERAL NCT-2

19

9. API Well No.

10. Field and Pool, Explortory Area BUNEBAY / Tubb  
 FOWLER ELLENBURGER/ JUSTIS MONTOYA, NORTH

11. SEC., T., R., M., or BLK. and Survey or Area  
 Sec. 26, Township 24-S, Range 37-E

12. County or Parish  
 LEA

13. State  
 NM

17. No. of Acres Assigned To This Well  
 40/80

20. Rotary or Cable Tools  
 ROTARY

22. Approx. Date Work Will Start\*  
 12/20/96

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work **DRILL**  **DEEPEN**   
 1b. Type of Well **SINGLE ZONE**   
**OIL WELL**  **GAS WELL**  **OTHER**  **MULTIPLE ZONE**

2. Name of Operator  
 TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No.  
 P.O. Box 3109, Midland Texas 79702 688-4606

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
 At Surface  
 Unit Letter P : 450 Feet From The SOUTH Line and 990 Feet From The EAST Line  
 At proposed prod. zone  
 SAME

14. Distance in Miles and Direction from Nearest Town or Post Office\*  
 6.1 MILES NE OF JAL, NM

15. Distance From Proposed\* Location to Nearest Property or Lease Line, Ft. (also to nearest drlg. unit line, if any) 990'  
 16. No. of Acres in Lease 400

18. Distance From Proposed Location\* to Nearest Well, Drilling, Completed or Applied For, On This Lease, Ft. 210'  
 19. Proposed Depth 10000'

21. Elevations (Show whether DF, RT, GR, etc.)  
 GR-3167

23. PROPOSED CASING AND <b>CEMENTING PROGRAM</b> <b>CONTROLLED WATER BASIN</b>				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4	WC50, 11 3/4	42#	1000'	600 SACKS - <b>WITNESS</b>
11	WC50, 8 5/8	32#	4700'	1100 SACKS - CIRCULATE
7 7/8	WC50, 70, S95, 5 1/2	17#	10000'	2000 SACKS - CIRCULATE

**CEMENTING PROGRAM:**  
 SURFACE CASING - 400 SACKS CLASS C W/ 4% GEL (13.5 PPG, 1.74 CF/S, 9.1 GW/S) F/B 200 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S, 6.3 GW/S).  
 INTERMEDIATE CASING - 1000 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.4 PPG, 2.14 CF/S, 11.9 GW/S). F/B 100 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S).  
 PRODUCTION CASING - 1st STG: 1000 SACKS 50/50 POZ H W/ 2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).  
 DV TOOL @ 6500' - 2nd STG: 500 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.4 PPG, 2.14 CF/S, 11.9 GW/S). F/B 500 SACKS 50/50 POZ CLASS H W/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S, 6.3 GW/S).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

APPROVAL SUBJECT TO  
 GENERAL REQUIREMENTS AND  
 SPECIAL REGULATIONS  
 ATTACHED

NOV 21 1996  
 11 20 1996

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 true verticle depths. Give blowout preventer program, if any.

24. I hereby certify that the foregoing is true and correct  
 SIGNATURE C. Wade Howard TITLE Eng. Assistant DATE 11/20/96  
 TYPE OR PRINT NAME C. Wade Howard

(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.

APPROVED BY (UNIC. SEC.) ARMANDO A. LOPEZ TITLE ... DATE 12/20/96

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994

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

Instructions on back

Submit to Appropriate District Office

State Lease-4 copies  
Fee Lease-3 copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

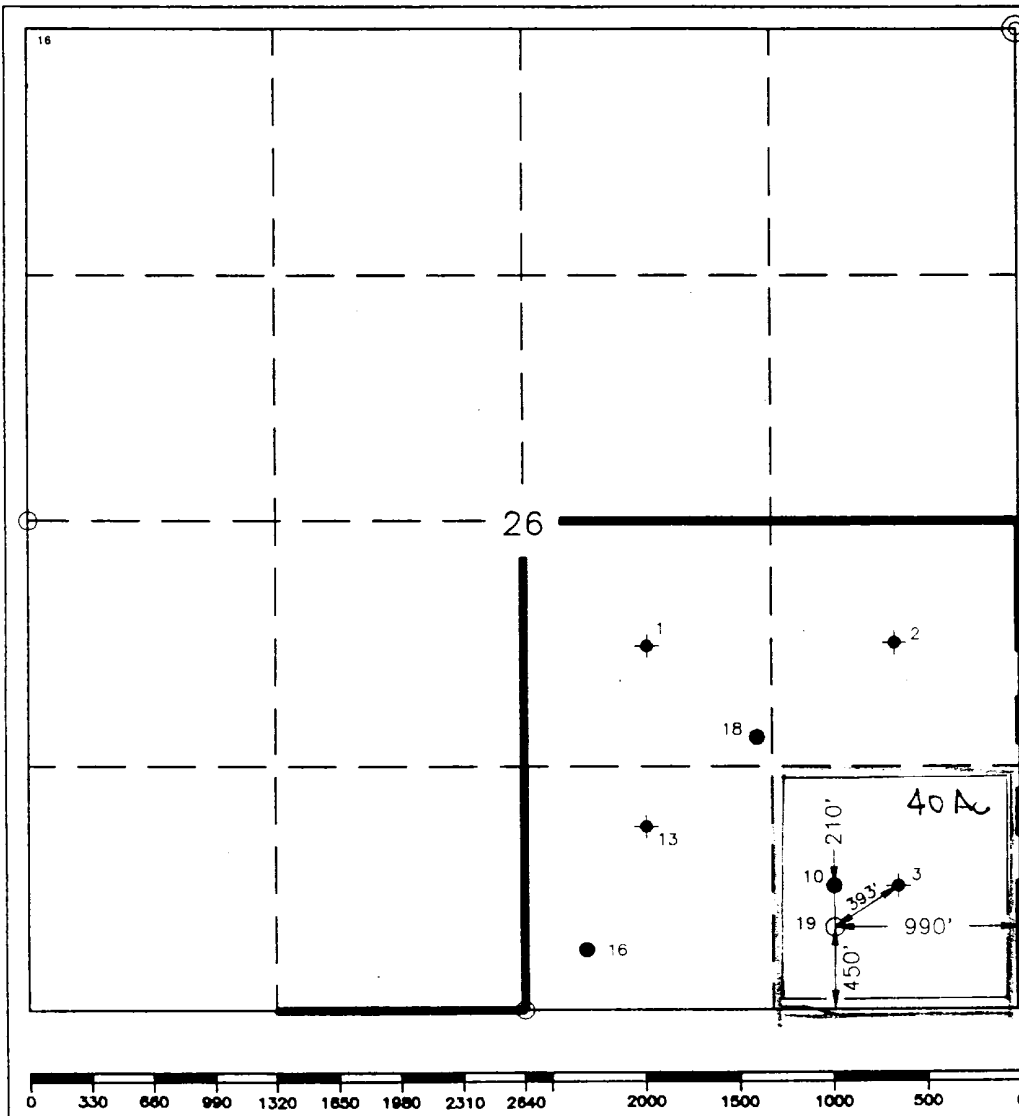
<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name	
				2 Justis Montoya, North; Justis Blinebry; Justis Tubb Drinkard	
<sup>4</sup> Property Code		<sup>5</sup> Property Name		<sup>6</sup> Well Number	
10944		C. C. Fristoe "B" Federal NCT-2		19	
<sup>7</sup> GRID No.		<sup>8</sup> Operator Name		<sup>9</sup> Elevation	
22351		TEXACO EXPLORATION & PRODUCTION, INC.		3167'	

<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	<sup>7</sup> County
P	26	24-S	37-E		450'	South	990	East	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	<sup>7</sup> County

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
40			

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>16</sup> OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
Signature <i>C. Wade Howard</i>
Printed Name C. Wade Howard
Position Engineer's Assistant
Company Texaco Expl. & Prod. Inc.
Date November 20, 1996
<sup>16</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 the best of my knowledge and belief.
Date Surveyed November 13, 1996
Signature & Seal of Professional Surveyor <i>John S. Piper</i>
Certificate No. 7254 John S. Piper
Sheet 8 of 8

DISTRICT 1  
P. O. Box 1980, Hobbs, NM 88240

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P. O. Drawer DD, Artesia, NM 88210

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

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

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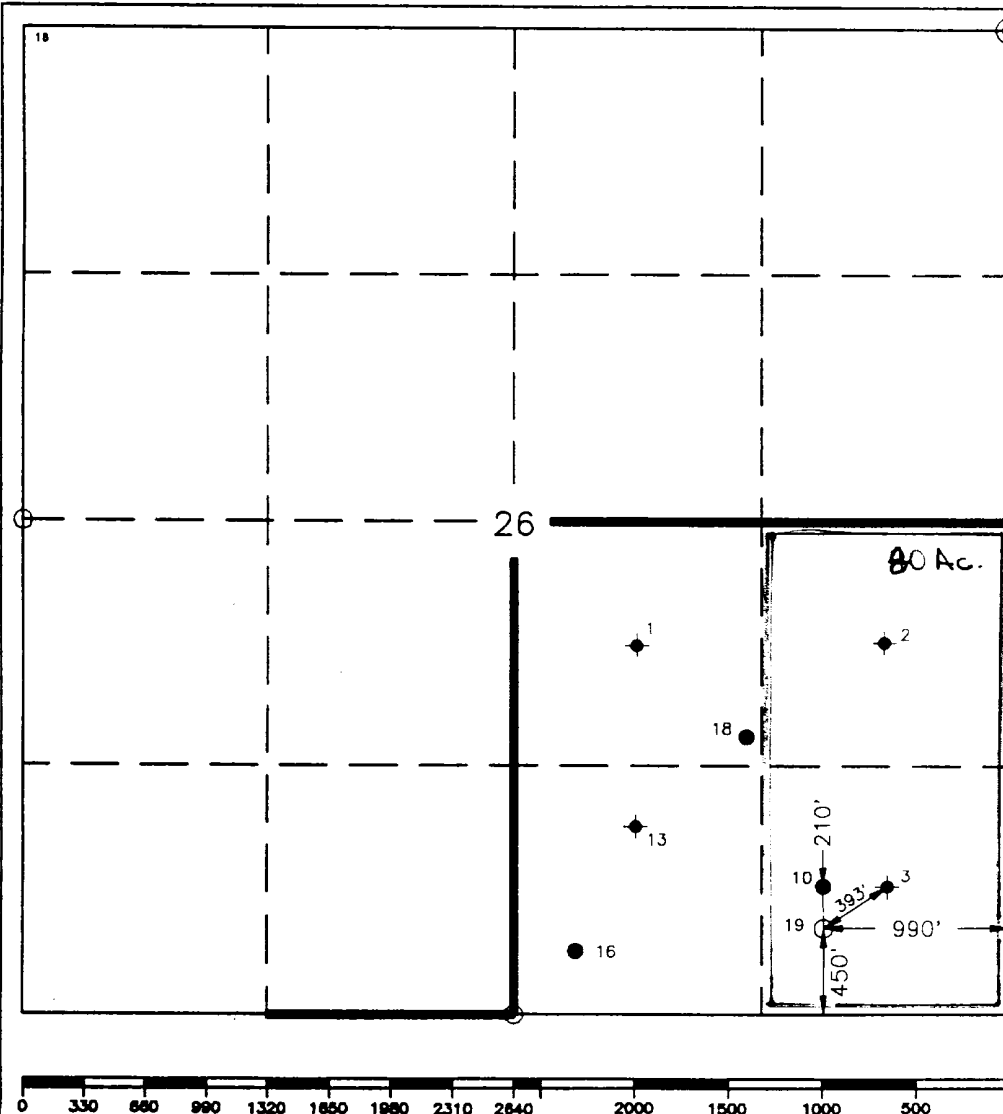
State Lease-4 copies  
Fee Lease-3 copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name Fowler Ellenburger					
<sup>4</sup> Property Code 10944		<sup>5</sup> Property Name C. C. Fristoe "B" Federal NCT-2						<sup>6</sup> Well Number 19	
<sup>7</sup> OGRID No. 22351		<sup>8</sup> Operator Name TEXACO EXPLORATION & PRODUCTION, INC.						<sup>9</sup> Elevation 3167'	
<sup>10</sup> Surface Location									
UL or lot no. P	Section 26	Township 24-S	Range 37-E	Lot Idn	Feet from the 450'	North/South line South	Feet from the 990	East/West line East	County 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
<sup>12</sup> Dedicated Acres 80		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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>16</sup> OPERATOR CERTIFICATION

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

Signature  
*C. Wade Howard*

Printed Name  
C. Wade Howard

Position  
Engineer's Assistant

Company  
Texaco Expl. & Prod. Inc.

Date  
November 20, 1996

---

<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 the best of my knowledge and belief.

Date Surveyed  
November 13, 1996

Signature & Seal of Professional Surveyor  
*John S. Piper*

Certificate No.  
7254 John S. Piper

Sheet 8 of 8

## DRILLING PROGRAM

C. C. FRISTOE 'B' FEDERAL NCT-2 WELL No. 19

### **SURFACE DESCRIPTION:**

See Item 11 (other information) in the attached Surface Use and Operations Plan.

**FORMATION TOPS:** Estimated KB Elevation: 3181'

<u>Formation</u>	<u>Depth</u>	<u>Lithology</u>	<u>Fluid Content</u>
Rustler	825'	Anhy, Salt	----
Tansill	2270'	Anhy, Dolo	----
Yates	2440'	Sandstone, Anhy	----
Queen	3130'	Sandstone, Anhy	----
Blinebry	5090'	Dolomite, Anhy	Oil
Tubb	5775'	Sandstone	Oil
Drinkard	5990'	Dolomite, Anhy	Oil
Devonian	7080'	Limestone	Oil
Fusselman	7630'	Dolomite	Oil
Montoya	8225'	Dolomite	Oil
Simpson	8440'	Sand, Shale	Oil
Ellenburger	9340'	Dolomite	Oil

The base of the salt section is the top of the Tansill at 2270'. No abnormal pressures or temperatures are anticipated to be encountered in this well. H<sub>2</sub>S is present in the Blinebry. H<sub>2</sub>S RADIUS OF EXPOSURE: 100ppm = 26', 500ppm = 12', based on 300ppm H<sub>2</sub>S and 380 MCF (see attached H<sub>2</sub>S Drilling Operations Plan. H<sub>2</sub>S equipment to be operational prior to drilling out Surface Casing Shoe.)

### **PRESSURE CONTROL EQUIPMENT:**

A 3000 psi Dual Ram type preventer with rotating head will be used. (See Exhibit C). We do not plan to have an annular preventer. We will be able to achieve full closure of the well with the double ram preventer. It will be installed after surface casing is set. BOP will be tested each time it is installed on a casing string and at least every 29 days, and operated at least once each 24-hour period during drilling.

A PVT system will not be installed. We will be drilling thru the reserve pit and will circulate the steel pits one hour each tour to check for gains and losses and will be noted on the driller's log, which is Texaco's policy.

We do not plan to run an automatic remote-controlled choke. We will have installed and tested two manual, H<sub>2</sub>S trimmed, chokes.

**CASING AND CEMENT PROGRAM:**

The cementing program is detailed on Form 3160-3. All casing will be new.

Surface Casing - 14 3/4" hole. 11 3/4", 42#, WC-50, STC, set @ 1000'.

Intermediate Casing - 11" hole. 8 5/8", 32#, WC-50, LTC, set @ 4700'.

Production Casing - 7 7/8" hole. 1000' of 5 1/2", 17#, WC-70, LTC and 5100' of 5 1/2", 17#, WC-50, LTC and 2100' of 5 1/2", 17#, WC-70, LTC and 1800' of 5 1/2", 17#, S-95, LTC set @ 10000'.

**Centralizer Program:**

Surface Casing - Centralize the bottom 3 joints and every 4th to surface.

Intermediate Casing - Centralize every other joint on bottom 700'.

Production Casing - Centralize every other joint on bottom 800'.

**MUD PROGRAM:**

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-1000'	Fresh Water	8.4	28
1000'-4700'	Brine	10.0	29
4700'-10000'	Fresh Water	8.4	28

Bottom Hole Pressure at T.D. estimated to be 6.7 PPG EMW (3484 psi).

Duration of Operation: 28 Days to Drill + 10 Days to Complete= 38 Days

**LOGGING, TESTING:**

SGR-CNL-LDT, GR-DLL-SFL, and GR-BHC surveys will be run.

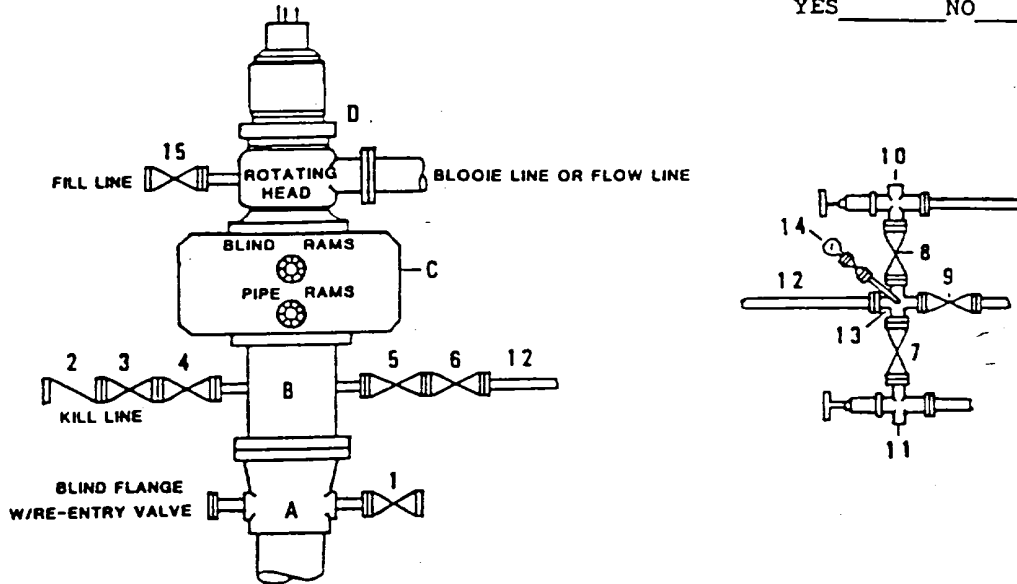
A two-man Mud Logging Unit will be used from 4600' to 10000'.

Drill stem tests may be conducted in the Montoya.

Cores may be taken in the Montoya.

**DRILLING CONTROL  
CONDITION II-B 3000 WP  
FOR AIR DRILLING OR  
WHERE NITROGEN OR AIR BLOWS ARE EXPECTED**

H<sub>2</sub>S TRIM REQUIRED  
YES \_\_\_\_\_ NO \_\_\_\_\_



DRILLING CONTROL

MATERIAL LIST - CONDITION II - B

- A Texaco Wellhead
- B 3000# W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- C 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram type preventers may be utilized).
- D Rotating Head with fill up outlet and extended Blooie Line.
- 1,3,4, 7,8, 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 2 2" minimum 3000# W.P. back pressure valve.
- 5,6,9 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 12 1" minimum schedule 80, Grade "B", seamless line pipe.
- 13 2" minimum x 3" minimum 3000# W.P. flanged cross.
- 10,11 2" minimum 3000# W.P. adjustable choke bodies.
- 14 Cameron Mud Gauge or equivalent ( location optional in choke line).
- 15 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.



TEXACO, INC.  
MIDLAND DIVISION  
MIDLAND, TEXAS



SCALE	DATE	EST NO	DRG NO
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT C

**OPERATOR - LANDOWNER AGREEMENT**

COMPANY: TEXACO EXPLORATION AND PRODUCTION INC.

PROPOSED WELL: C.C. FRISTOE "B" FEDERAL NCT-2 No. 19

FEDERAL LEASE NUMBER: NM - 14218

This is to advise that Texaco Exploration and Production Inc. has an agreement with:  
ELENA GROBE, P.O. DRAWER "G", JAL, NM 88252

the surface owner, concerning entry and surface restoration after completion of drilling operations at the above described well.

After abandonment of the well, all pits will be filled and levelled, and all equipment and trash will be removed from the well site. No other requirements were made concerning restoration of the well site.

11/19/96  
Date

C. Wade Howard  
C. W. Howard  
Engineer's Assistant  
Midland, Texas

**SURFACE USE AND OPERATIONS PLAN**  
**FOR**  
**TEXACO EXPLORATION AND PRODUCTION, INC.**

C. C. Fristoe "B" Federal (NCT-2) No. 19  
450' FSL & 990' FEL SECTION 26,  
TWP. 24 SOUTH, RANGE 37 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO

LOCATED: 6.1 miles Northeasterly of Jal, New Mexico

FEDERAL LEASE NUMBER: NM 14218

LEASE ISSUED: Lease is in a producing status

ACRES IN LEASE: 400

RECORD LESSEE: TEXACO EXPLORATION AND PRODUCTION, Inc.

SURFACE OWNERSHIP: Elena Grobe  
P. O. Drawer G  
Jal New Mexico 88252  
(505) 395-3189

POOL: Fowler Ellenburger; Justis Montoya; Justis Blinebry;  
Justis Tubb Drinkard

POOL RULES: Field Rules are for no wells to be located closer than 330' to any quarter-quarter section and to be 330' from the lease line.

EXHIBITS: A. Access Road and Facilities Map  
B. Drilling Rig Layout Diagram  
C. Well Location and Acreage Dedication Plat 40 Acres  
D. Well Location and Acreage Dedication Plat 80 Acres



1. EXISTING ACCESS ROADS

A. Exhibit "A" is an enlarged portion of a 7.5 minute U.S.G.S. topographic map showing the proposed well site and the existing roads in the area. Point "A" is at the intersection of the existing resource road and County Road C-14 0.60 miles East of its intersection with County Road C-13, being 4.0 miles North along County Road C-13 from its junction with State Highway 128 which is approximately 3 miles East of Jal, New Mexico along State Highway 128. From Point "A" as shown on Exhibit "A", go Northerly 0.25 miles, Easterly 0.25 miles, and Southerly 0.10 miles to the beginning of the proposed well pad with access at the Northeast corner as shown on Exhibits "A" & "B".

2. PLANNED RESOURCE ROAD

- A. Length and Width: None will be required.
- B. Surfacing Material: None will be required.
- C. Maximum Grade: None will be required.
- D. Turnouts: Turnouts will not be required.
- E. Drainage Design: None will be required.
- F. Culverts: None will be required.
- G. Cuts and Fills: None will be required.
- H. Gates and Cattle Guards: None will be required.

3. LOCATION OF EXISTING WELLS

A. Existing wells on the lease and in the immediate area are shown on Exhibit "A".

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

A. The oil, gas, and/or water that this well produces will be transported by a 2 7/8" steel surface flowline, approximately 1750 feet in length, (Shown in Green on Exhibit "A") to the C. C. Fristoe Tank Battery located in the Northeast quarter of the Northeast quarter of said Section 35 as shown on Exhibit "A".

B. Approximately 234 feet of underground electric power line will be used to service this well as shown on Exhibits "A" and "B". Note that some existing electric lines in the area are also shown on Exhibits "A" for reference. It is a 12,470 phase to phase, 7200 volts to ground three phase. The existing overhead electric powerline is operator owned.

#### 5. LOCATION AND TYPE OF WATER SUPPLY

A. It is not contemplated that a water well would be drilled. Water necessary for drilling operations will be purchased and trucked to the well site or will be transported to the well site by a temporary pipeline laid on the ground along side existing and proposed roads.

#### 6. SOURCE OF CONSTRUCTION MATERIALS

A. Caliche needed for the well pad and road will be taken from the proposed borrow pit located within the 400 x 400' archaeologically cleared tract at the proposed well site (See Exhibit "B" for location). If sufficient quality or quantity of caliche is not available, it will be transported to the proposed road and well site from the existing pit in the SE/4 of the SE/4 of Section 35, T24S, R37E, Lea County along the existing resource roads.

#### 7. METHOD OF HANDLING WASTE DISPOSAL

A. Drill cuttings will be disposed of in the drilling pits.

B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.

C. Water produced during tests will be disposed of at commercial or company facilities.

D. Oil produced during tests will be stored in test tanks until sold.

E. Trash, waste paper, garbage and junk will be placed in a trash bin located on the drill site pad. It will be transported to an approved landfill for disposal within 30 days after completion of drilling and/or completion of operations. All waste material will be contained to prevent scattering by the wind.

#### 8. ANCILLARY FACILITIES

A. None required.

#### 9. WELL SITE LAYOUT

A. Exhibit "B" shows the relative location and dimensions of the well pad, mud pits, borrow pit, and the location of the major rig components.

B. Cut and fill requirements will be minor, but clearing and leveling of the well site will be necessary.

#### 10. PLANS FOR RECLAMATION OF THE SURFACE

A. After completion of drilling and/or completion of operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location will be cleaned of all trash and junk to leave the well site in an as aesthetically pleasing condition as possible.

B. Any unguarded pits containing fluids will be fenced until the pits are dry.

C. After abandonment, all equipment, trash and junk will be removed and the well site will be cleaned. Any special reclamation and/or special revegetation requirements of the Surface Management Agency will be complied with and will be accomplished as rapidly as possible.

#### 11. OTHER INFORMATION

A. Topography: The land surface in the area of the well is relatively level. Regionally, the land slopes to the Southeast with an average slope of approximately one percent.

B. Soil: Top soil at the well site is a shallow sandy loam.

C. Flora and Fauna: The vegetation cover is moderate. It includes range grasses, weeds, and mesquite bushes. Wildlife in the area is that typical of a semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, hawks, dove, quail and other small birds.

D. Ponds and Streams: There are no rivers, lakes, ponds, or streams in the area.

E. Residences and Other Structures: There are no occupied dwellings or other structures within a half mile of the proposed well site.

F. Archaeological, Historical, or other Cultural Sites: None were observed in the area.

G. Land Use: Grazing, oil and gas production, and wildlife habitat.

H. Surface Ownership: Private Fee

12. OPERATOR'S REPRESENTATIVE

C. Wade Howard  
Engineer's Assistant  
Texaco Exploration and Production, Inc.  
P. O. Box 3109  
Midland, Texas 79701  
Office Phone: (915) 688-4606

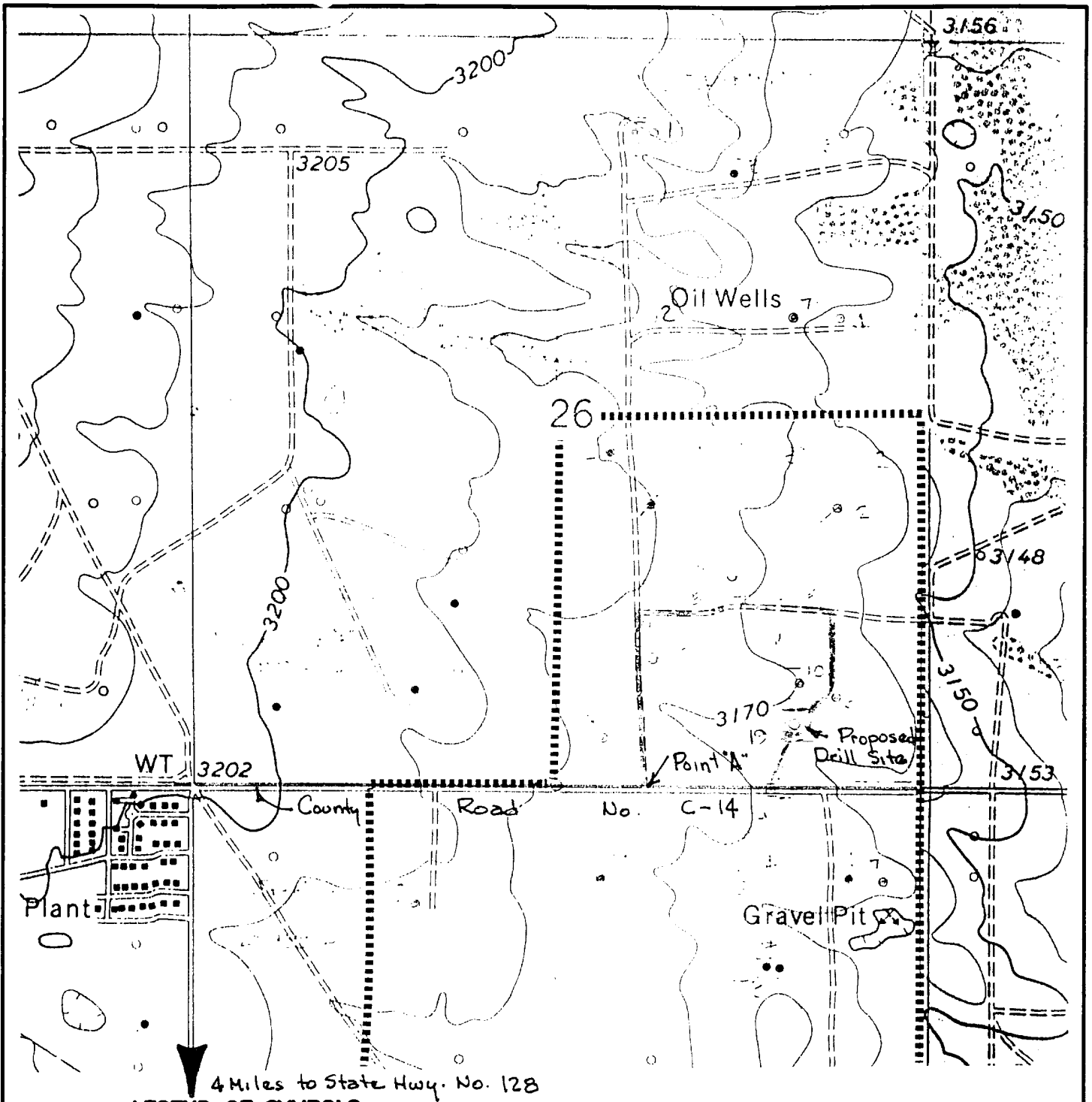
CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; 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 the operations proposed herein will be performed by Texaco Exploration and Production, Inc. and its contractors and sub-contractors 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.

11/20/96  
Date

C. Wade Howard  
C. Wade Howard  
Engineer's Assistant  
Midland, Texas

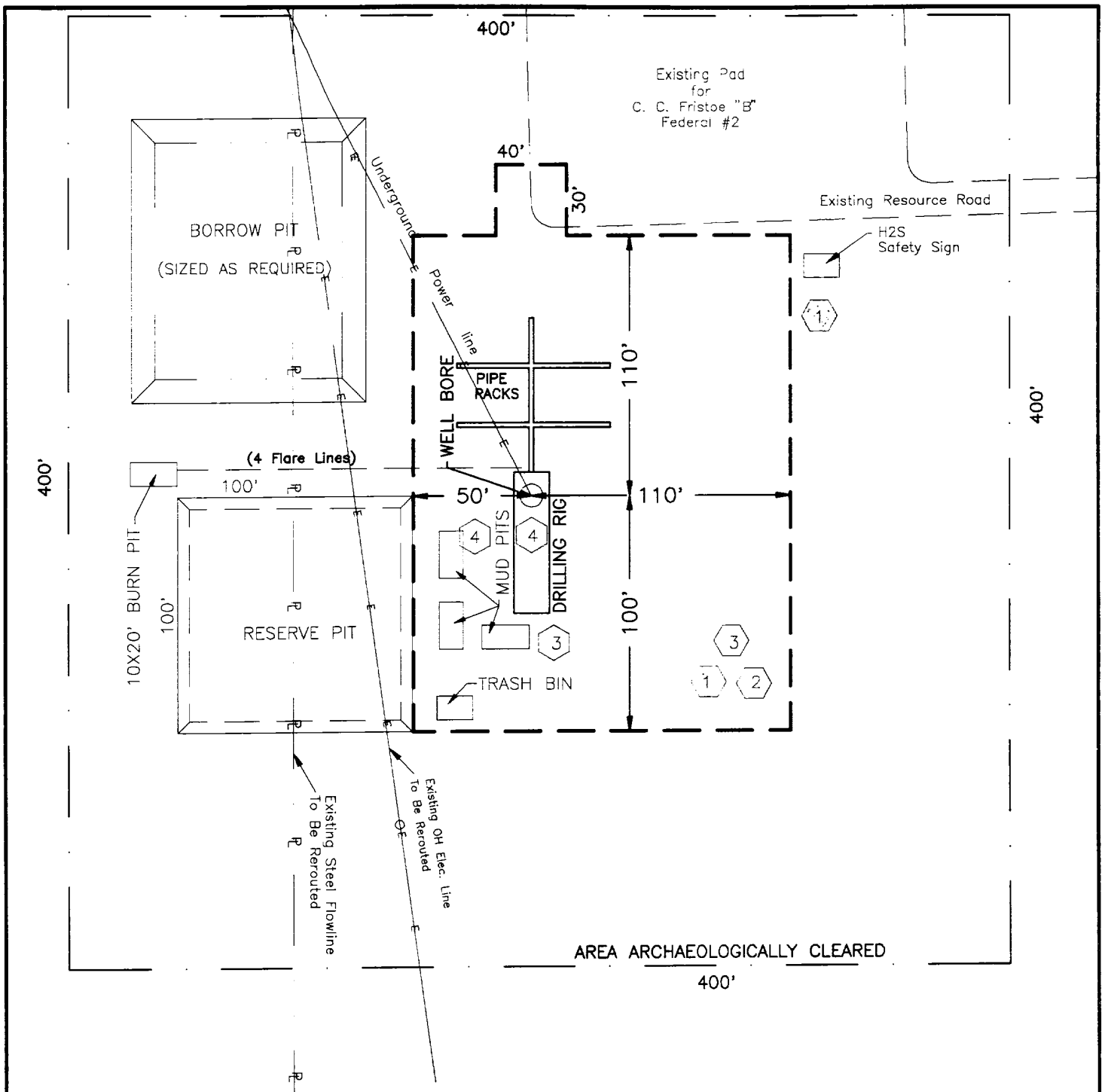
Enclosures  
jsp



**LEGEND OF SYMBOLS**





- = Access Road (Yellow)
- = Resource Road Federal Land (Pink)
- = Resource Road Private Land (Blue)
- = Resource Road on Lease (Brown)
- = Proposed Resource Road (Red)
- = Proposed Electric Line (Orange)
- = Proposed Production Flowline (Green)
- = Staked Well Location
- = Producing Well Location
- = Water Well
- = Found 1" Iron Pipe With Brass Cap
- ⊙ = Found 2" Iron Pipe With Brass Cap
- = Unit or Lease Boundary

<b>EXHIBIT "A"</b> <b>ACCESS ROAD AND FACILITIES MAP</b>	
<b>TEXACO EXPLORATION AND PRODUCTION</b>	
C. C. FRISTOE "B" FEDERAL NO. 19 450' FSL & 990' FEL, Section 26, T-24-S, R-37-E, NMPM, Lea County, NM	
Drawn by: D. E. Kelly	Scale: 1" = 1000 Feet
Date: November 15, 1996	C. Wade Howard
Checked by: D. M. Ballew	Sheet: 6 of 8



H<sub>2</sub>S DRILLING OPERATION PLAN



-  Briefing Station
-  H<sub>2</sub>S Safety Trailer
-  Windssocks
-  H<sub>2</sub>S Detectors, Shale Shaker, Rotating Head, Rig Floor

Prevailing Wind from the South

<p>EXHIBIT "B" DRILLING RIG LAYOUT</p>	
<p><b>TEXACO EXPLORATION AND PRODUCTION INC.</b></p>	
<p>C. C. Fristoe "B" Federal NCT-2 No. 19 450' FSL &amp; 990' FEL, Section 26 T-24-S, R-37-E, Lea County, NM</p>	
<p>Drawn by: D. M. Ballew</p>	<p>Scale: 1" = 60'</p>
<p>Date: November 19, 1996</p>	<p>C. WADE HOWARD</p>
<p>Checked by: J. S. Piper</p>	<p>Sheet 7 of 8</p>

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Form C-102  
Revised February 10, 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

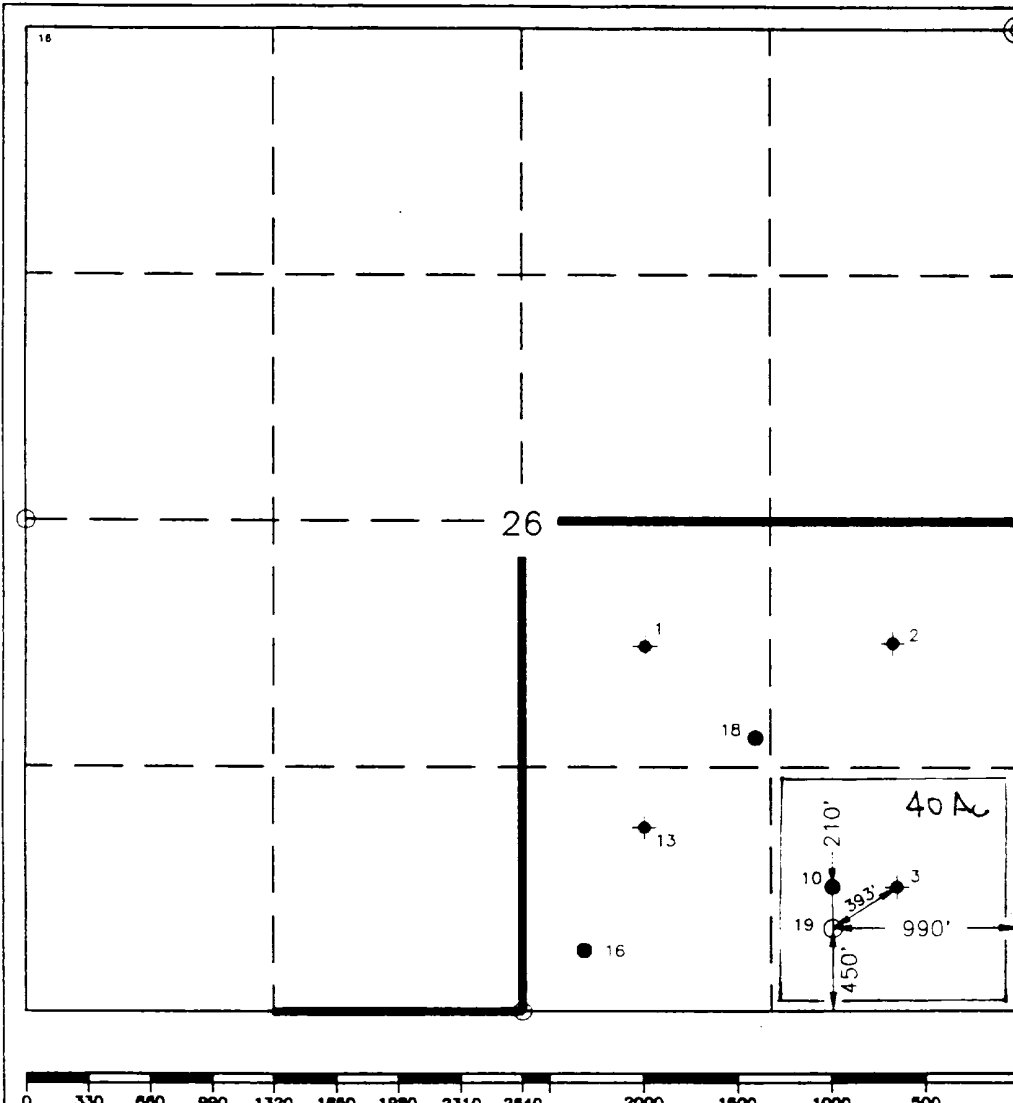
<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name	
				Justis Montoya, North; Justis Blinebry; Justis Tubb Drinkard	
<sup>4</sup> Property Code 10944		<sup>5</sup> Property Name C. C. Fristoe "B" Federal NCT-2			<sup>6</sup> Well Number 19
<sup>7</sup> GRID No. 22351		<sup>8</sup> Operator Name TEXACO EXPLORATION & PRODUCTION, INC.			<sup>9</sup> Elevation 3167'

<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	<sup>7</sup> County
P	26	24-S	37-E		450'	South	990	East	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	<sup>7</sup> County

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.



**<sup>16</sup>OPERATOR CERTIFICATION**

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

Signature: *C. Wade Howard*

Printed Name: C. Wade Howard

Position: Engineer's Assistant

Company: Texaco Expl. & Prod. Inc.

Date: November 20, 1996

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**<sup>16</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 the best of my knowledge and belief.

Date Surveyed: November 13, 1996

Signature & Seal of Professional Surveyor: *John S. Piper*

Certificate No.: 7254 John S. Piper

Sheet 8 of 8

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

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088  
Santa Fe, NM 87504-2088

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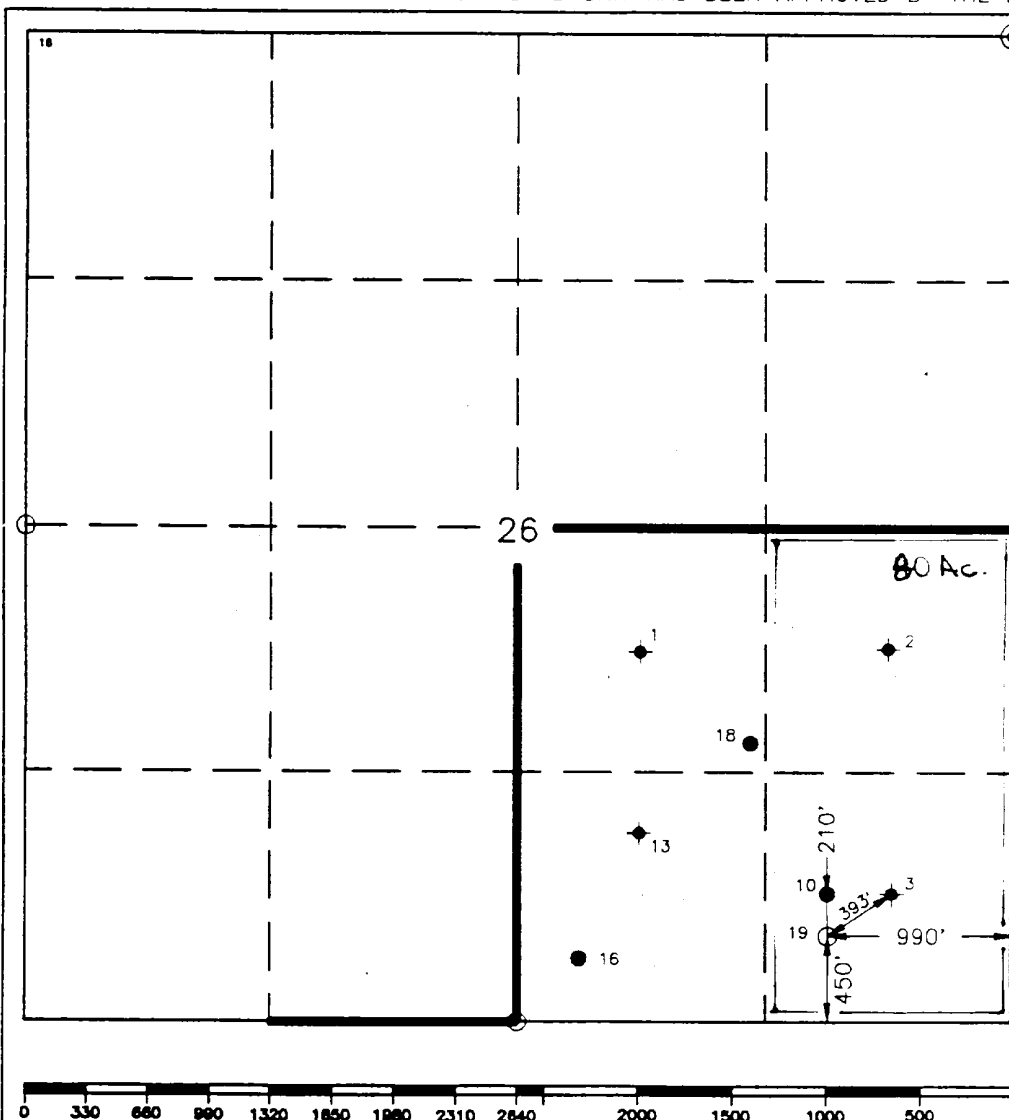
State Lease-4 copies  
Fee Lease-3 copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name Fowler Ellenburger					
<sup>4</sup> Property Code 10944		<sup>5</sup> Property Name C. C. Fristoe "B" Federal NCT-2						<sup>6</sup> Well Number 19	
<sup>7</sup> OGRID No. 22351		<sup>8</sup> Operator Name TEXACO EXPLORATION & PRODUCTION, INC.						<sup>9</sup> Elevation 3167'	
<sup>10</sup> Surface Location									
<sup>10</sup> UL or lot no. P	<sup>11</sup> Section 26	<sup>12</sup> Township 24-S	<sup>13</sup> Range 37-E	<sup>14</sup> Lot Idn	<sup>15</sup> Feet from the 450'	<sup>16</sup> North/South line South	<sup>17</sup> Feet from the 990	<sup>18</sup> East/West line East	<sup>19</sup> County Lea
<sup>20</sup> Bottom Hole Location if Different From Surface									
<sup>21</sup> UL or lot no.	<sup>22</sup> Section	<sup>23</sup> Township	<sup>24</sup> Range	<sup>25</sup> Lot Idn	<sup>26</sup> Feet from the	<sup>27</sup> North/South line	<sup>28</sup> Feet from the	<sup>29</sup> East/West line	<sup>30</sup> County
<sup>31</sup> Dedicated Acres 80		<sup>32</sup> Joint or Infill		<sup>33</sup> Consolidation Code		<sup>34</sup> 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>1</sup> OPERATOR CERTIFICATION**

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

Signature: *C. Wade Howard*

Printed Name: C. Wade Howard

Position: Engineer's Assistant

Company: Texaco Expl. & Prod. Inc.

Date: November 20, 1996

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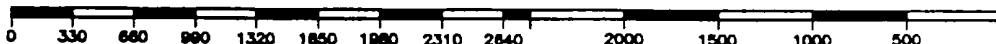
**<sup>18</sup> SURVEYOR CERTIFICATION**

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 the best of my knowledge and belief.

Date Surveyed: November 13, 1996

Signature & Seal of Professional Surveyor: *John S. Piper*

Certificate No.: 7254 John S. Piper





## HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

C. C. FRISTOE 'B' FEDERAL NCT-2 WELL No. 19

### RADIUS OF EXPOSURE

100 PPM: 26 feet

500 PPM: 12 feet Based on 300ppm H<sub>2</sub>S and 380 MCF.

### TRAINING

Every person involved in the wellsite operation will be informed of the characteristics of hydrogen sulfide, its danger, safe procedures to be used when it is encountered, use of detection equipment, use of protective breathing equipment, and first aid procedures for regular rig personnel.

On site training will be provided by Texaco prior to reaching Order 6 compliance depth. The Texaco Drilling Supervisor is responsible for insuring all persons working on location have been provided training.

### EXHIBIT A

Topographic map of location and surrounding area.

### EXHIBIT B

The wellsite layout contains the following information:

1. Drill rig orientation
2. Prevailing wind direction
3. Location of all briefing areas
4. Location of access road
5. Location of flare line
6. Location of windsocks
7. Location of H<sub>2</sub>S Safety Trailer

### EXHIBIT C

Well Control Equipment

## PROTECTIVE EQUIPMENT

4 - 30 minute SCBA's: 2 located at each Briefing Station. An additional SCBA will be located at the Tool Pusher's trailer, if used.

5 - 5 minute escape packs will be located in the Dog House.

Means of communication while using protective equipment will be hand signals.

## H2S SENSORS

H2S sensors will be located at (1) Shale Shaker (2) Rotating Head and (3) Rig Floor.

A light will be located on the rig floor. It will be set to go off at 10 PPM. It will be visible from anywhere on the location.

A siren will be located on the rig floor. It will be set to go off at 15 PPM.

Texaco Drilling Supervisor will maintain a portable H2S monitor.

## MUD PROGRAM

A Fresh Water/ Brine system will be used. Ph will be maintained at 10 or higher if H2S is encountered. Sufficient quantities of H2S scavenger will be on location for use as required.

Drilling will be through an on site gas separator to separate gas from the drilling fluid with gas vented down a flare line equipped with an igniter.

## METALLURGY

All wellheads, trees, BOP's, rotating heads, choke manifolds and piping will be constructed/trimmed with materials suitable for H2S service.

All casing and tubing will be no greater than 80000 psi yield strength and no greater than a Rockwell C-22 hardness.

OTHER REQUIREMENTS OF ORDER 6

The flare line (item 4 of exhibit I) will be equipped with a propane ignition.

The flare gun and flares will be located in the H2S Safety Trailer.

Communications for the location will be by Rig Telephone.

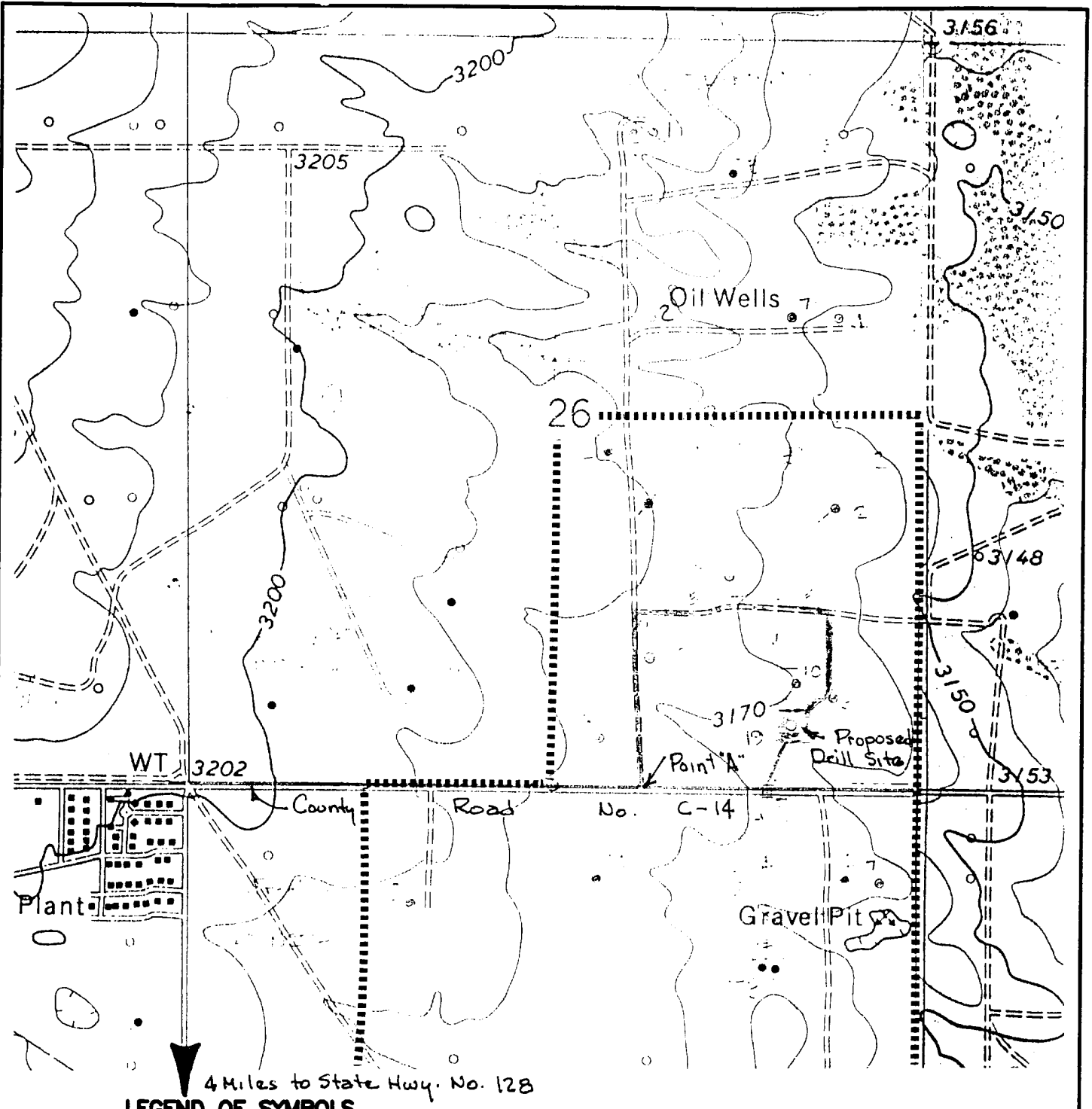
Wind direction indicators will be on the rig floor and at one briefing station with at least one visible from all points on the location.

Caution/danger signs and flags will be maintained at all entrances into the location.

An automatic remote-controlled choke will not be used. We will have installed and tested two manual, H2S trimmed, chokes.

WELL TESTING

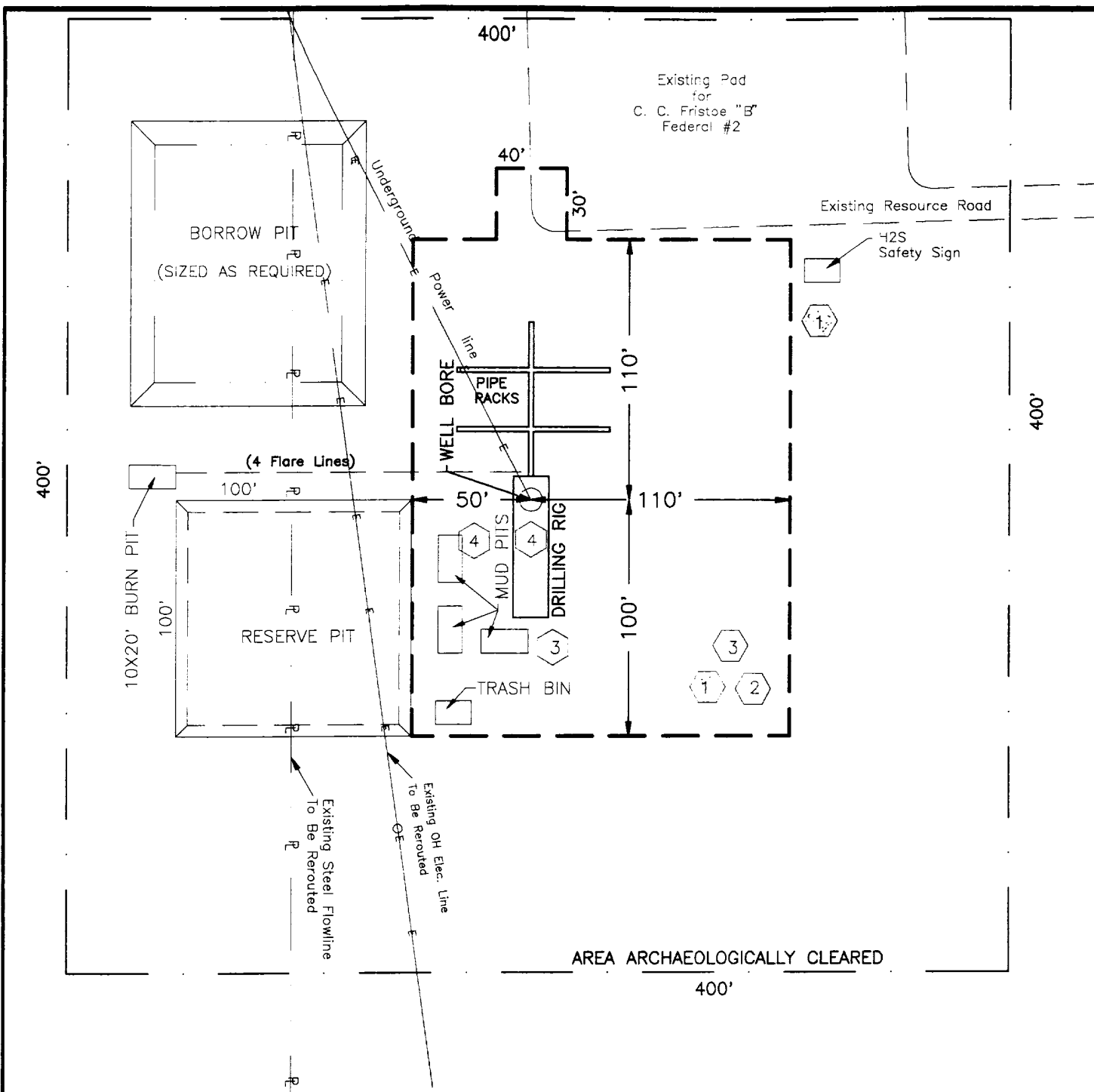
DST's are planned for the Montoya at 8400'.



**LEGEND OF SYMBOLS**





- = Access Road (Yellow)
- = Resource Road Federal Land (Pink)
- = Resource Road Private Land (Blue)
- = Resource Road on Lease (Brown)
- = Proposed Resource Road (Red)
- = Proposed Electric Line (Orange)
- = Proposed Production Flowline (Green)
- = Staked Well Location
- = Producing Well Location
- = Water Well
- = Found 1" Iron Pipe With Brass Cap
- ⊙ = Found 2" Iron Pipe With Brass Cap
- = Unit or Lease Boundary

<p>EXHIBIT "A"</p> <p>ACCESS ROAD AND FACILITIES MAP</p>	
<p><b>TEXACO EXPLORATION AND PRODUCTION</b></p>	
<p>C. C. FRISTOE "B" FEDERAL NO. 19          450' FSL &amp; 990' FEL, Section 26,          T-24-S, R-37-E, NMPM, Lea County, NM</p>	
<p>Drawn by: D. E. Kelly</p>	<p>Scale: 1" = 1000 Feet</p>
<p>Date: November 15, 1996</p>	<p>C. Wade Howard</p>
<p>Checked by: D. M. Ballew</p>	<p>Sheet: 6 of 8</p>



H<sub>2</sub>S DRILLING OPERATION PLAN



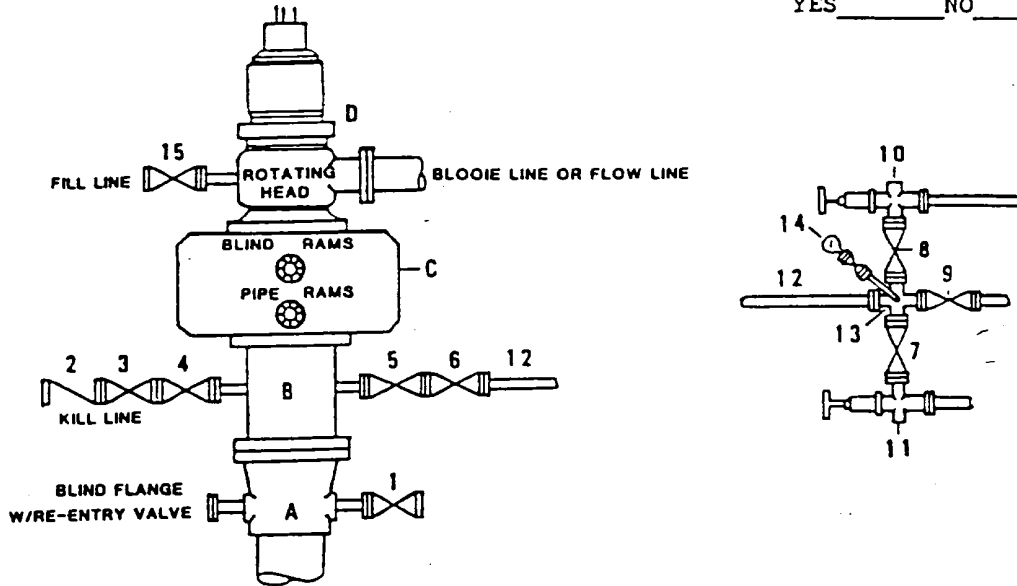
-  Briefing Station
-  H<sub>2</sub>S Safety Trailer
-  Windssocks
-  H<sub>2</sub>S Detectors, Shale Shaker, Rotating Head, Rig Floor

Prevailing Wind from the South

<p>EXHIBIT "B" DRILLING RIG LAYOUT</p>	
<p><b>TEXACO EXPLORATION AND PRODUCTION INC.</b></p>	
<p>C. C. Fristoe "B" Federal NCT-2 No. 19 450' FSL &amp; 990' FEL, Section 26 T-24-S, R-37-E, Lea County, NM</p>	
<p>Drawn by: D. M. Ballew</p>	<p>Scale: 1" = 60'</p>
<p>Date: November 19, 1996</p>	<p>C. WADE HOWARD</p>
<p>Checked by: J. S. Piper</p>	<p>Sheet 7 of 8</p>

**DRILLING CONTROL  
CONDITION II-B 3000 WP  
FOR AIR DRILLING OR  
WHERE NITROGEN OR AIR BLOWS ARE EXPECTED**

H<sub>2</sub>S TRIM REQUIRED  
YES \_\_\_\_\_ NO \_\_\_\_\_



DRILLING CONTROL

MATERIAL LIST - CONDITION II - B

- A Texaco Wellhead
- B 3000# W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- C 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram type preventers may be utilized).
- D Rotating Head with fill up outlet and extended Blooie Line.
- 1,3,4, 7,8, 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 2 2" minimum 3000# W.P. back pressure valve.
- 5,6,9 1" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 12 3" minimum schedule 80, Grade "B", seamless line pipe.
- 13 2" minimum x 3" minimum 3000# W.P. flanged cross.
- 10,11 2" minimum 3000# W.P. adjustable choke bodies.
- 14 Cameron Mud Gauge or equivalent ( location optional in choke line).
- 15 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.



TEXACO, INC.  
MIDLAND DIVISION  
MIDLAND, TEXAS



SCALE	DATE	EST NO	DRG NO
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT C