

New Mexico Oil Conservation District  
1625 N. Front St.  
Hobbs, NM 88240

Form 3160-3  
(December 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUBMIT IN TRIPLICATE

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 **G** : **2269** Feet From The **NORTH** Line and **2459** Feet From The **EAST** Line  
At proposed prod. zone

**2610' FNL & 2610' FEL**

14. Distance in Miles and Direction from Nearest Town or Post Office\*  
**5.2 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) **30'**

16. No. of Acres in Lease **400**

18. Distance From Proposed Location\* to Nearest Well, Drilling, Completed or Applied For, On This Lease, Ft. **558'**

19. Proposed Depth **6350'**

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

**GR-3170'**

**CAPTAN CONTROLLED WATER BASIN**

22. Approx. Date Work Will Start\*  
**12/19/1999**

23. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
*11"	K-55, 8 5/8"	24#	930'	520 SACKS-CIRCULATE
7 7/8"	WC50, 5 1/2	15.5#	6350'	1410 SACKS-YOC

CEMENTING PROGRAM:

SURFACE CASING: 320 SACKS CLASS C w/4% GEL, 2% CaCl<sub>2</sub> (13.5 PPG, 1.74 CF/S, 9.1 GW/S). F/B 200 SACKS CLASS C w/2% CaCl<sub>2</sub> (14.8 PPG, 1.34 CF/S, 6.3 GW/S).

PRODUCTION CASING: 710 SACKS 35/65 POZ CLASS H w/6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S, 11.9 GW/S). F/B 700 SACKS 50/50 POZ CLASS H w/2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).

\*VERBAL APPROVAL FROM OCD IN HOBBS TO SET 8 5/8" SURFACE CASING IN AN 11' HOLE FOR WELLS ON THIS LEASE.

THERE ARE NO OTHER WELLS IN THIS QUARTER QUARTER SECTION.

UNORTHODOX LOCATION: APPLICATION HAS

OPER. OGRID NO. **22351**  
PROPERTY NO. **25190**  
LEASE CODE **35280**  
DATE **1-4-2000**  
API NO. **30-025-34821**

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

In Above Space Describe Proposed Program: If prop to drill or deepen directionally, give pertinent data on

and proposed new productive zone. If proposal is 1s. Give blowout preventer program, if any.

24. I hereby certify that the foregoing is true and correct.  
SIGNATURE **A. Phil Ryan** TITLE **Commission Coordinator** DATE **11/30/1999**

TYPE OR PRINT NAME **A. Phil Ryan**

(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 **/S/LARRY D. BRAY** TITLE **Assistant Field Office Manager** DATE **DEC 28 1999**

CONDITIONS OF APPROVAL, IF ANY:

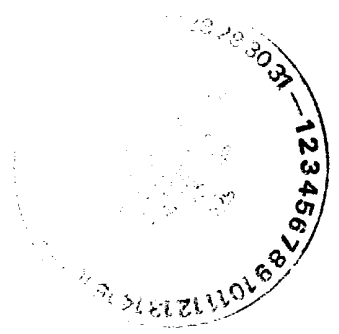
**Lands and Minerals**

**APPROVED FOR YEAR**

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.

10/27/99 11:14 AM  
10/27/99 11:14 AM

RECEIVED  
NOV 30 1999  
10/27/99 11:14 AM



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

DISTRICT II  
P. O. Drawer 00, 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

Instructions on back

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

Submit to Appropriate District Office

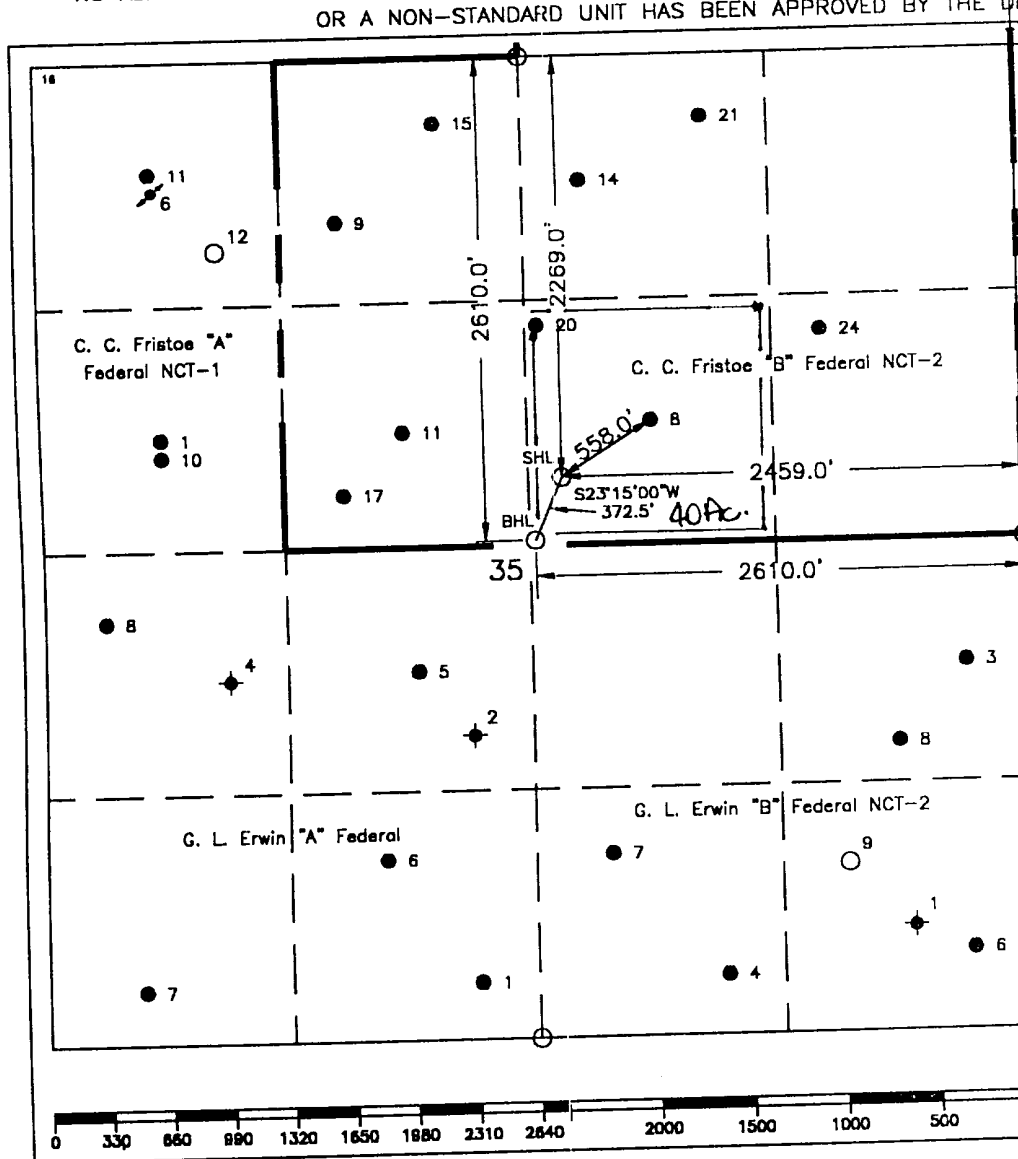
State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-3482		2 Pool Code 35280		3 Pool Name Justis Blinebry & Justis Tubb Drinkard			
4 Property Code 25190		5 Property Name C. C. Fristoe "B" Federal NCT-2					
6 OGRID No. 22351		7 Operator Name TEXACO EXPLORATION & PRODUCTION, INC.					
8 Well Number 25		9 Elevation 3170'					
10 Surface Location							
UL or lot no. G	Section 35	Township 24-S	Range 37-E	Lot Idn 2269'	Feet from the North/South line North 2459'	East/West line East	County Lea
11 Bottom Hole Location If Different From Surface							
UL or lot no.	Section 35	Township 24-S	Range 37-E	Lot Idn 2610'	Feet from the North/South line North 2610'	East/West line East	County Lea
12 Dedicated Acres 40		13 Joint or Infill		14 Consolidation Code NSL 3760 A (SPD)		15 Order No.	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION.

	16 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>A. Phil Ryan</i> Printed Name: A. Phil Ryan Position: Commissioner Coordinator Company: Texaco Expl. & Prod. Inc. Date: November 16, 1999	
	17 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 9, 1999 Signature & Seal of Professional Surveyor: <i>John S. Piper</i> Certificate No.: 7254 John S. Piper Sheet 1 of 1	

○ = Staked Location ● = Producing Well ↗ = Injection Well ○ = Water Supply Well + = Plugged & Abandon Well  
⊙ = Found Section Corner, 2 or 3" Iron Pipe & GLO B.C. ○ = Found 1/4 Section Corner, 1" Iron Pipe & GLO B.C.

ADDITIONAL INFORMATION ON THE LOCATION

State Plane Coordinates		Northing 429428.21 SHL, 429085.98 BHL		Easting 912699.02 SHL, 912551.99 BHL	
Latitude 32°10'29.574"SHL, 32°10'26.204"BHL		Longitude 103°07'59.165"SHL, 103°08'00.920"BHL			
Zone North American Datum		Combined Grid Factor		Coordinate File	
East 1983		0.99991632		Erwin83.cr5	
Drawing File		Field Book			
Fris_B25.dwg		Lea County 18, Pg. 42			

**RECEIVED**  
DEC 06 1999  
BLM  
ROSWELL, NM



## DRILLING PROGRAM

C. C. FRISTOE 'B' FEDERAL NCT-2 WELL No. 25

### **SURFACE DESCRIPTION:**

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

**FORMATION TOPS:** Estimated KB Elevation: 3194'

<u>Formation</u>	<u>Depth</u>	<u>Lithology</u>	<u>Fluid Content</u>
Rustler	900'	Anhy, Salt	----
Tansill	2270'	Anhy, Dolo	
Yates	2406'	Sandstone, Anhy	----
Queen	3118'	Sandstone, Anhy	----
Blinebry	5058'	Dolomite, Anhy	Oil
Tubb	5798'	Sandstone	Oil
Drinkard	5991'	Dolomite, Anhy	Oil
Abo	6235'	Dolo, Limestone	Oil
Total Depth:	6350'		

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. H2S is present in the Blinebry. H2S RADIUS OF EXPOSURE: 100ppm = 26', 500ppm = 12', based on 300ppm H2S and 380 MCF (see attached H2S Drilling Operations Plan. H2S equipment to be operational prior to drilling out Surface Casing Shoe.)

Duration of Operation: 12 Days to Drill & 10 Days to Complete

### **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, H2S trimmed, chokes.



**CASING AND CEMENT PROGRAM:**

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

**Casing Program:**

Surface Casing - 8 5/8", 24#, K-55, LTC set at 930'.

Production Casing - 0' to 4350': 5 1/2", 15.5#, WC-50, LTC  
4350' to 6350': 5 1/2", 17#, L-80, LTC.

**Centralizer Program:**

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

Production Casing - Centralize every 3rd joint on bottom 2000'.

**MUD PROGRAM:**

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-930'	Fresh Water	8.4	28
930'-4000'	Brine	10.0	29
4000'-6350'	Brine/Starch	10.0	32-36

Bottom Hole Pressure at T.D. estimated to be 6.7 PPG EMW (2230 psi).

**LOGGING, TESTING:**

GR-CNL-LDT, GR-DLL-MSFL, and GR-Sonic surveys will be run.

No Mud Logging Unit will be used.

No drill stem tests will be conducted.

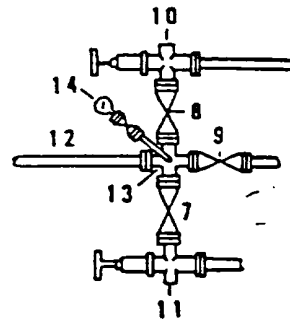
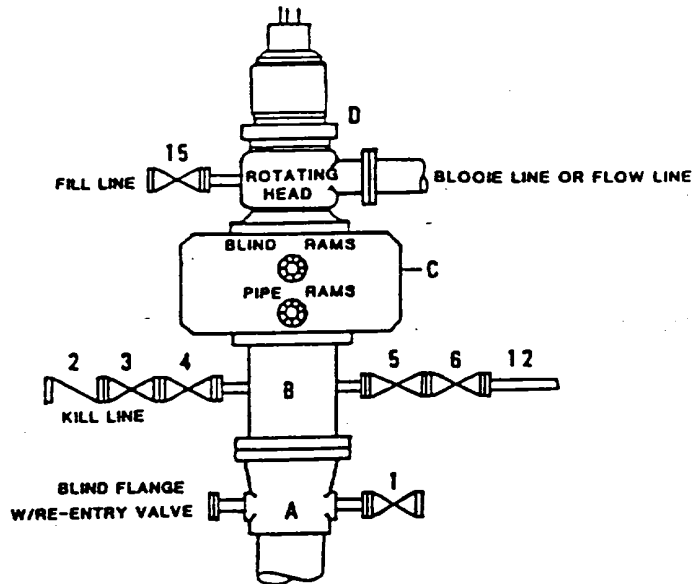
No cores will be taken.





**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 X



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 Blooe 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          | 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



**OPERATOR - LANDOWNER AGREEMENT**

**COMPANY: TEXACO EXPLORATION AND PRODUCTION INC.**

**PROPOSED WELL: C. C. FRISTOE 'B' FEDERAL NCT-2 No. 25**

**FEDERAL LEASE No. NM 14218**

**This is to advise that Texaco Exploration and Production Inc. has an agreement with:**

**El Paso Natural Gas, P. O. Box 1492, El Paso, TX 79978**

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**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 leveled, all equipment and trash will be removed from well site. No other requirements were made concerning restoration of the well site.**

**11/30/99**

**Date**



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**A. Phil Ryan  
Commission Coordinator  
Midland, Texas**



ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

### ADMINISTRATIVE APPLICATION COVERSHEET

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

**Application Acronyms:**

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

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

[A] Location - Spacing Unit - Directional Drilling

☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

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

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

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

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

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

A. Phil Ryan  
Print or Type Name

Signature

Commission Coordinator  
Title

11/30/99  
Date





Texaco North America Production  
Permian Business Unit

500 North Loraine  
Midland TX 79701

P O Box 3109  
Midland TX 79702

November 30, 1999

**GOV - STATE AND LOCAL GOVERNMENTS**

**Unorthodox Location**

C. C. Fristoe 'B' Federal NCT-2 Well No. 25  
Justis Blinebry and Justis Tubb Drinkard Fields  
Lea County, New Mexico

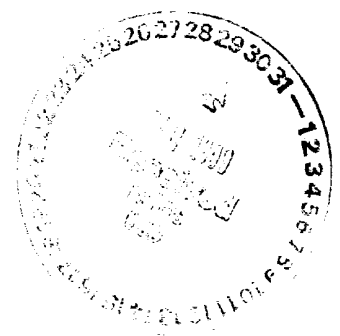
State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Attention: Mr. Michael E. Stogner

Gentlemen:

An Exception to Rule 104 F. (2) by administrative approval is requested for the captioned well. The surface hole location of this well is located 2269' FNL & 2459' FEL, Unit Letter "G", of Section 35, T-24-S, R-37-E. The bottom hole location of this well is located 2610' FNL & 2610' FEL of Section 35, T-24-S, R-37-E.

The necessity for non-standard well location for the C. C. Fristoe 'B' Federal NCT-2 #25 is based on several factors. First, cross-sections displaying well log analyses of hydrocarbon saturation and producible (effective) porosity indicated that the Tubb-Drilnkard interval in particular looks to be of higher reservoir quality near the proposed location. Second, the wellbores nearest the proposed bottom location (G. L. Erwin 'B' Federal NCT-2 #2 And C. C. Fristoe 'B' NCT-2 #8) inadequately drained the aforementioned reservoir intervals due to difficulties in properly stimulating those reservoir zones under a slim-hole environment. Third, the distance between the Blinebry-Tubb-Drinkard is maximized in order to enhance the likelihood of contacting undrained reservoir intervals. Based on analogs in the North Justis such as the recently drilled G. L. Erwin 'A' Federal #5 near the long-lived G. L. Erwin 'A' Federal #2 producer, it has become apparent that the targeted reservoir intervals are laterally discontinuous, and therefore incompletely drained within a 40 acre proration unit by a single wellbore.

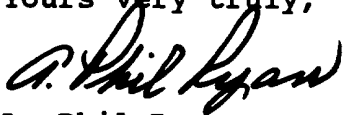




The C. C. Fristoe 'B' Federal NCT-2 lease and the two offset leases, G. L. Erwin 'A' lease and G. L. Erwin 'B' NCT-2 are all Federal leases, so royalty ownership is common. Texaco is the operator of each of the leases.

There are no 'affected offset operators' to this location. Attached is Form C-102 for this well.

Yours very truly,

A handwritten signature in cursive script that reads "A. Phil Ryan".

A. Phil Ryan  
Commission Coordinator

Attachments cc: BLM, Roswell, NM



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

C. C. Fristoe "B" Federal (NCT-2) No. 25

Surface Location 2269' FNL & 2459' FEL, and  
Bottom Hole Location 2610' FNL & 2610' FEL Section 35,  
Twp. 24 South, Range 37 East, N.M.P.M.,

Lea County, New Mexico

LOCATED: 5.2 miles Northeast 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: El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978  
(915) 541-2099

POOL: 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



### 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 an existing resource road and County Road C-14, at 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" go Southeasterly along an existing resource road 0.45 miles and then Easterly 0.25 miles to Point "B".

### 2. PLANNED RESOURCE ROAD

A. Length and Width: From Point "B" as shown on Exhibit "A", a new 14 foot wide Resource Road will be constructed approximately 200 feet Southerly (shown in Red on Exhibit "A") with access at the Westerly corner of the proposed well pad, as shown on Exhibits "A" and "B".

B. Surfacing Material: Caliche material will be used to surface the proposed road. It will be watered, compacted, and graded.

C. Maximum Grade: An approximate grade of approximately one to two percent will be encountered descending to the proposed well pad.

D. Turnouts: Turnouts will not be required.

E. Drainage Design: The new road will be crowned at the center to direct drainage to ditches on both sides of the roadway with turnout ditches to be constructed as required.

F. Culverts: None will be required.

G. Cuts and Fills: A slight amount of leveling will be required to the proposed well pad.

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 1585 feet in length, (shown in Green on Exhibit "A") to the C. C. Fristoe "B" Federal tank battery located in the Northeast quarter of the Northeast quarter of said Section 35, as shown on Exhibit "A".



B. Approximately 500 feet of electric power line will be built 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. It is a operator owned powerline.

#### 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 insufficient 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, as shown on Exhibit "A" 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 Southwest with an average slope of approximately one to two 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 is an occupied dwelling and other structures at approximately 3000 feet Southwesterly 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

A. Phil Ryan  
Commission Coordinator  
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.

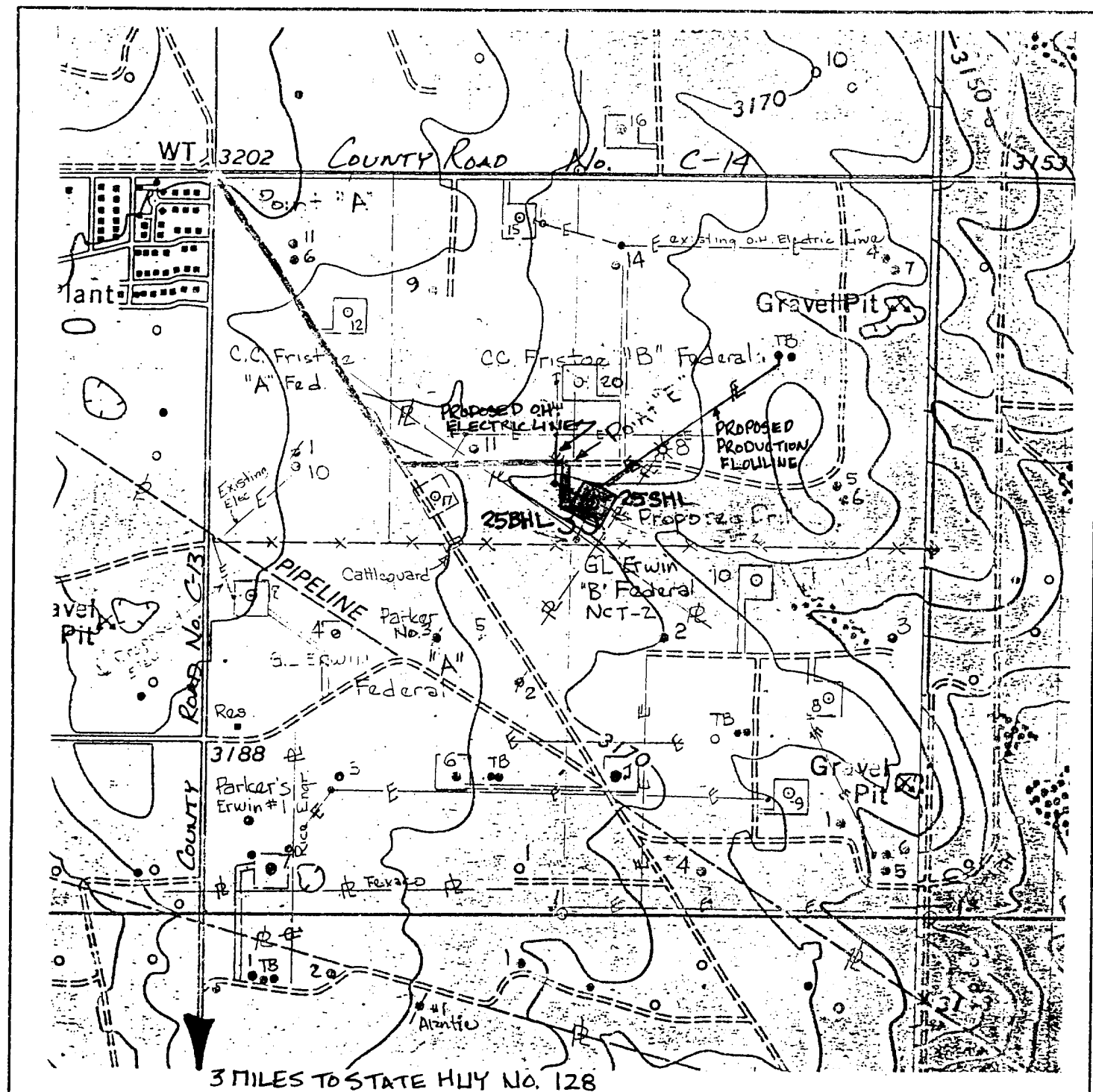
11/30/99  
Date

A. Phil Ryan  
A. Phil Ryan

Commission Coordinator  
Midland, Texas

Enclosures  
jsp





#### LEGEND OF SYMBOLS

- = Access Road (Yellow)
- = Resource Road on State Land (Blue)
- = Resource Road on Private Land (Pink)
- = Resource Road on Federal Land (Brown)
- = Proposed Resource Road (Red)
- = Proposed Electric Line (Orange)
- = Proposed Production Flow Line (Green)
- = Staked Well Location
- = Producing Well Location
- = Water Injection Well
- = Found 1" Iron Pipe with Brass Cap
- = Found 2" or 3" Iron Pipe with Brass Cap
- = Unit or Lease Boundary

#### EXHIBIT "A" ACCESS ROAD AND FACILITIES MAP

TEXACO EXPLORATION AND PRODUCTION INC.

C.C. FRISTOE "B" FEDERAL NCT-2 No. 25  
Located 2269' FNL & 2459' FEL, Section 35,  
T-24-S, R-37-E, NMPM, Lea County, NM

Drawn by: Gene M. Rodriguez

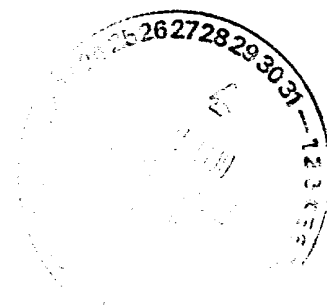
Scale: 1" = 1000'

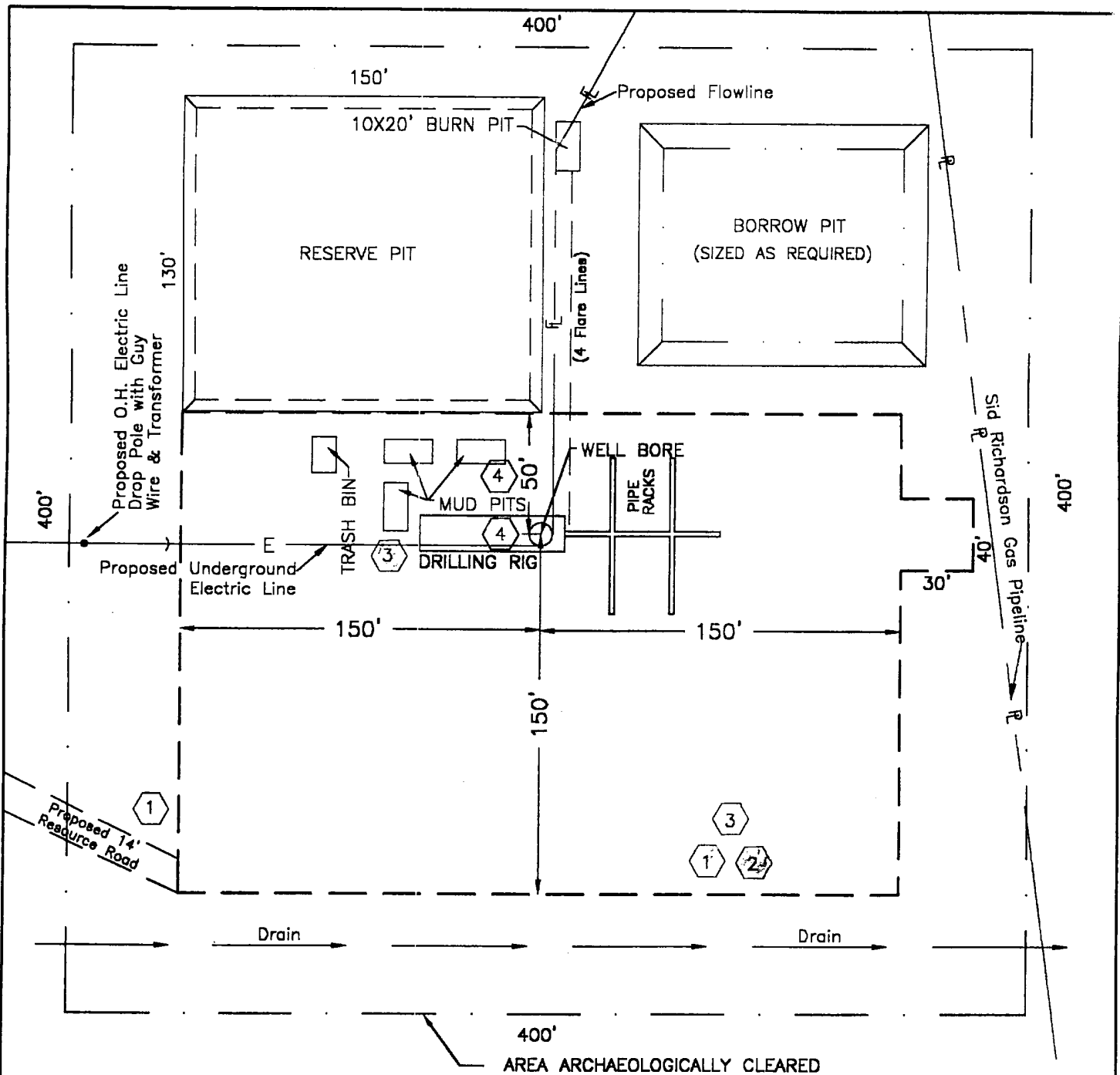
Date: November 15, 1999

A. Phil Ryan





Checked by: J.S. Piper

Sheet 1 of 1





# 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

## EXHIBIT "B" DRILLING RIG LAYOUT

TEXACO EXPLORATION AND PRODUCTION INC.

C. C. Fristoe "B" Federal NCT-2 No. 25  
SHL 2269' FNL & 2459' FEL, Section 35  
T-24-S, R-37-E, Lea County, NM

Drawn by: Gens M. Rodriguez

Scale: 1" = 60'

Date: November 16, 1999

A. Phil Ryan

Checked by: J. S. Piper

Sheet 1 of 1





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

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

**Submit to Appropriate District Office**

State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

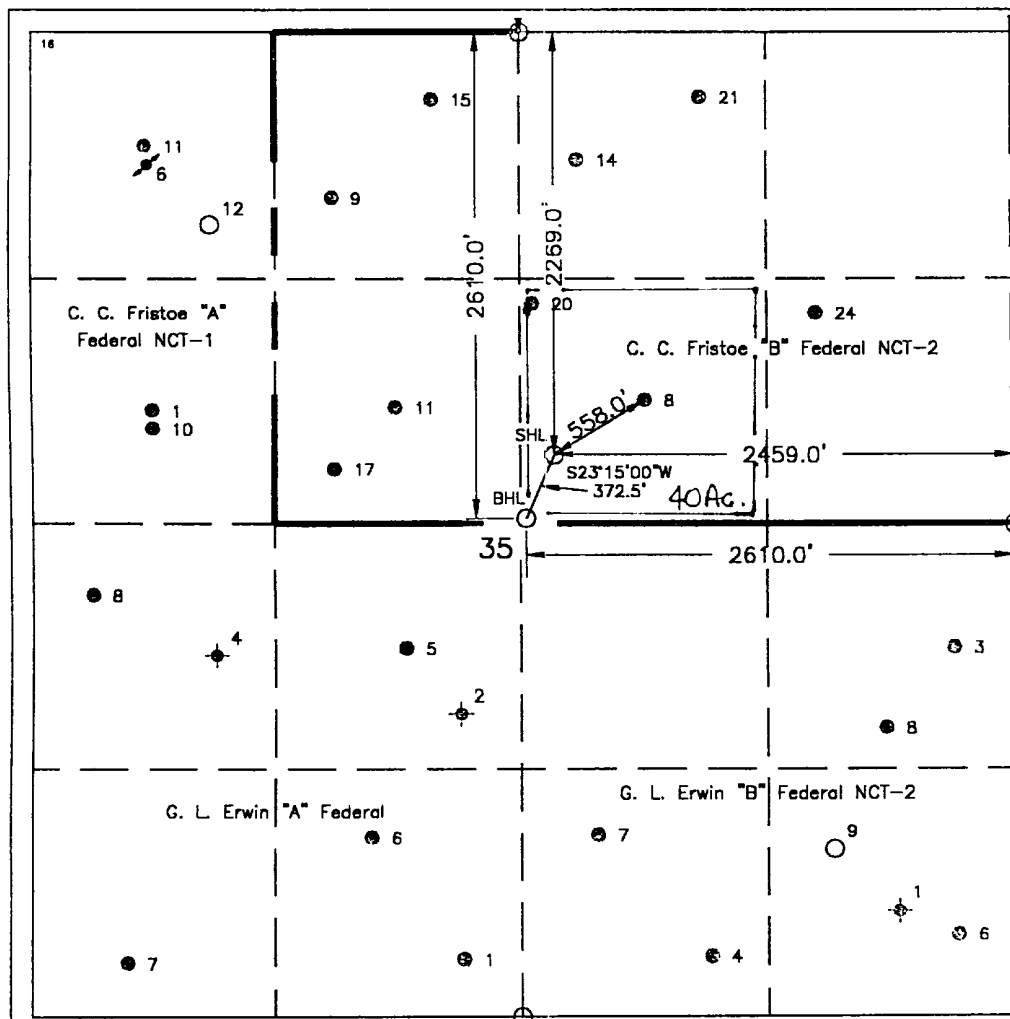
<sup>1</sup> API Number		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name Justis Blinebry & Justis Tubb Drinkard	
<sup>4</sup> Property Code	<sup>5</sup> Property Name C. C. Fristoe "B" Federal NCT-2			<sup>6</sup> Well Number 25
<sup>7</sup> OGRIID No. 22351	<sup>8</sup> Operator Name TEXACO EXPLORATION & PRODUCTION, INC.			<sup>9</sup> Elevation 3170'

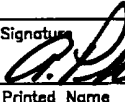
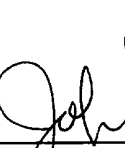
10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	35	24-S	37-E		2269'	North	2459'	East	Lea

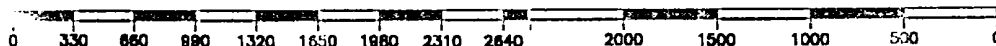
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
	35	24-S	37-E		2610'	North	2610'	East	Lea

12Dedicated Acres 40	13Joint or Infill	14Consolidation Code	15Order 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.



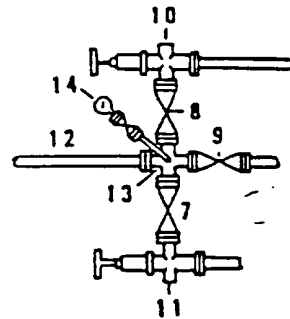
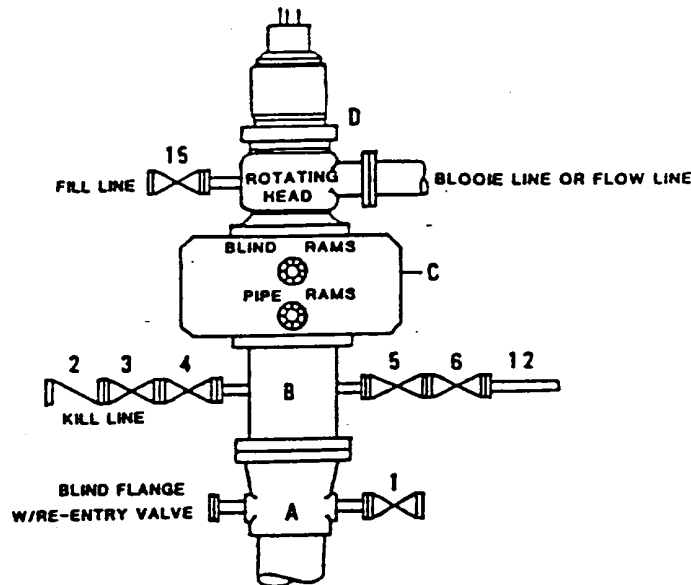
<b>OPERATOR CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	
Printed Name	A. Phil Ryan
Position	Commissioner Coordinator
Company	Texaco Expl. & Prod. Inc.
Date	November 16, 1999
<b>SURVEYOR CERTIFICATION</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 knowledge and belief.	
Date Surveyed	November 9, 1999
Signature & Seal of Professional Surveyor	
Certificate No.	7254 John S. Piper
Sheet 1 of 1	





**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 X



**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 Blooe Line.  |
| 1,3,4,<br>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             | 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



## HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

C. C. FRISTOE 'B' FEDERAL NCT-1 WELL No. 25

### 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.

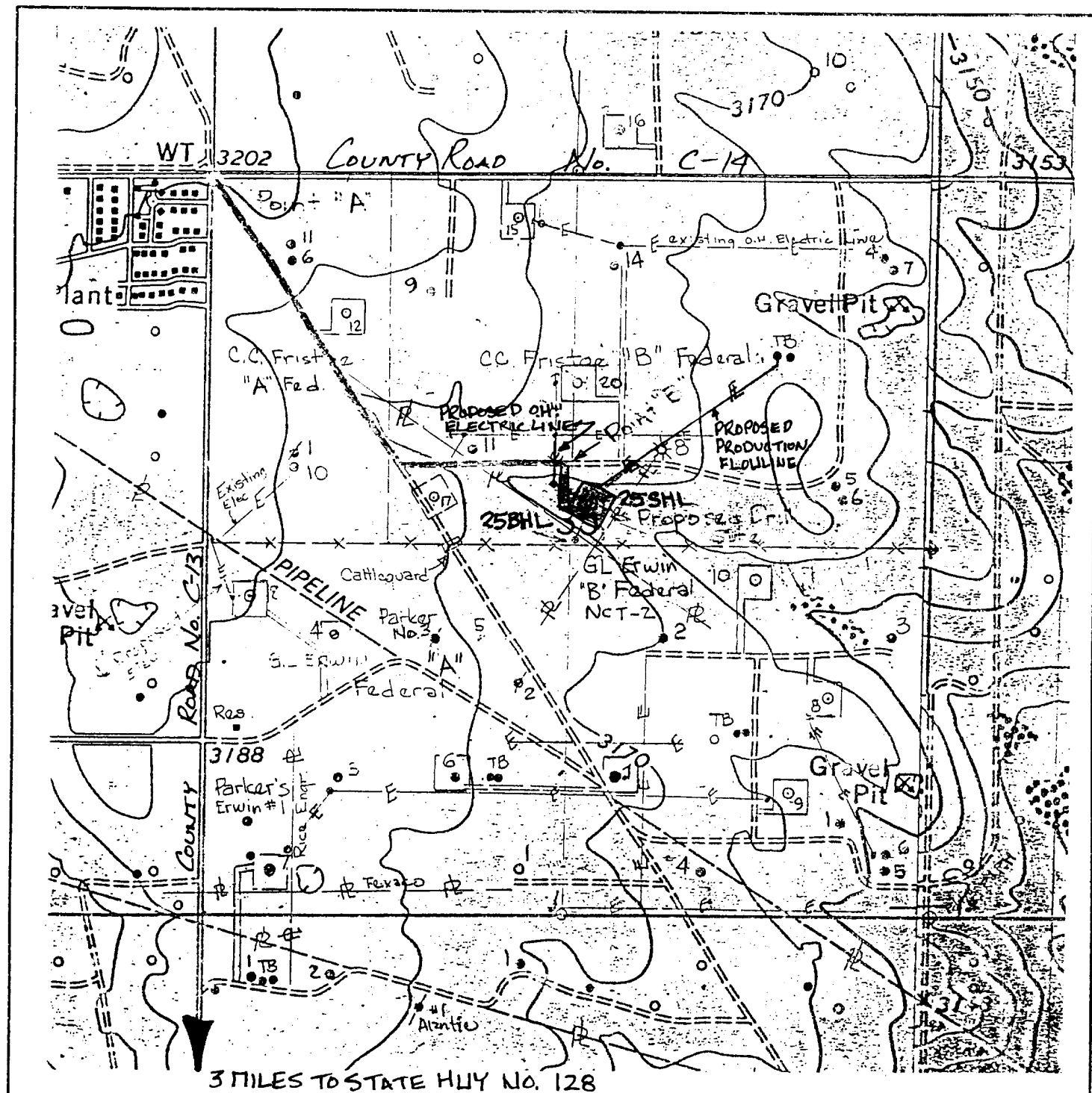
An automatic remote-controlled choke will not be used. We will have installed and tested two manual, H2S trimmed, chokes.

WELL TESTING

No DST's are planned.







#### LEGEND OF SYMBOLS

- = Access Road (Yellow)
- = Resource Road on State Land (Blue)
- = Resource Road on Private Land (Pink)
- = Resource Road on Federal Land (Brown)
- = Proposed Resource Road (Red)
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- = Proposed Production Flow Line (Green)
- = Staked Well Location
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Drawn by: Gene M. Rodriguez

Scale: 1" = 1000'

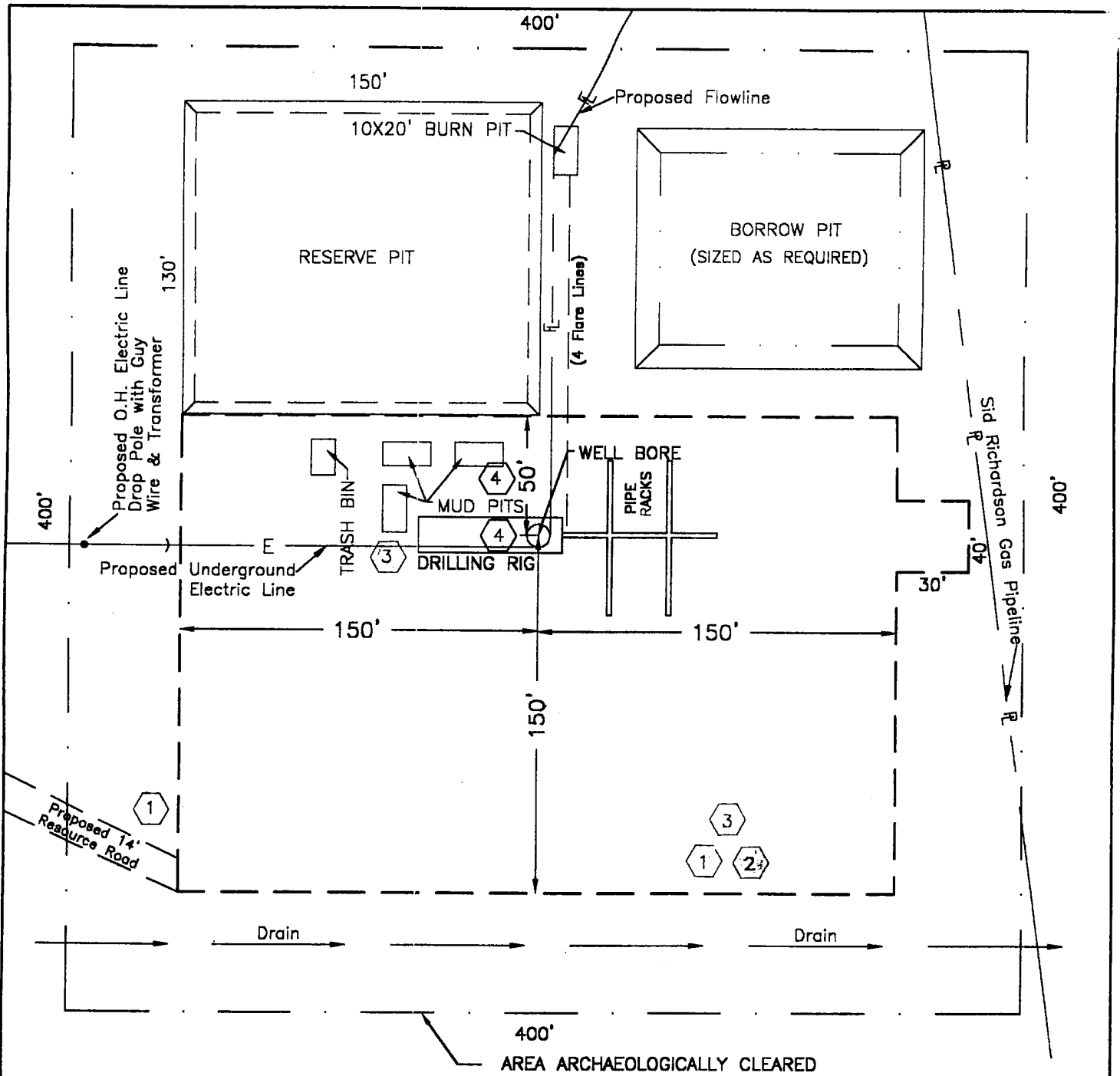
Date: November 15, 1999

A. Phil Ryan

Checked by: J.S. Piper

Sheet 1 of 1





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

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

Prevailing Wind from the South

## EXHIBIT "B" DRILLING RIG LAYOUT

TEXACO EXPLORATION AND PRODUCTION INC.

C. C. Fristoe "B" Federal NCT-2 No. 25  
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Drawn by: Gene M. Rodriguez

Scale: 1" = 80'

Date: November 16, 1999

A. Phil Ryan

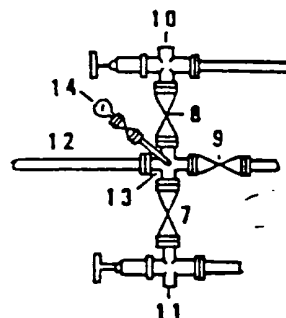
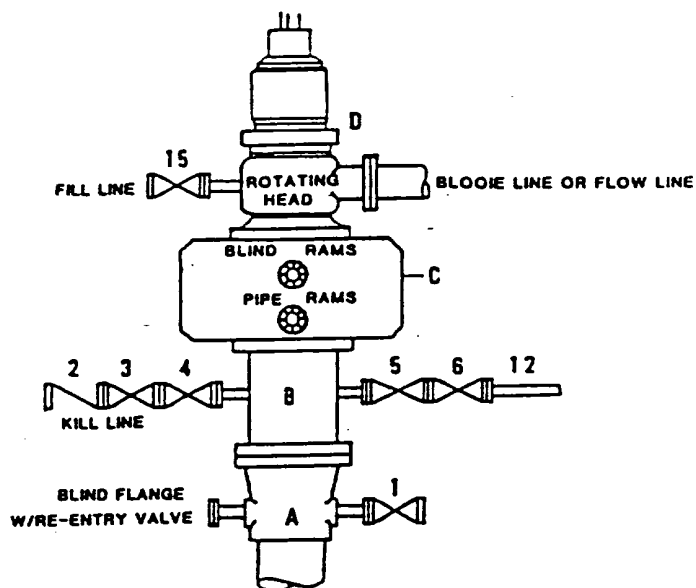
Checked by: J. S. Pilper

Sheet 1 of 1



**DRILLING CONTROL  
CONDITION II-B 3000 WP  
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H<sub>2</sub>S TRIM REQUIRED  
YES \_\_\_\_\_ NO X



**DRILLING CONTROL**

**MATERIAL LIST - CONDITION II - B**

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TEXACO, INC.  
MIDLAND DIVISION  
MIDLAND, TEXAS



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

EXHIBIT C

