

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>NM-29233</b>
b. TYPE OF WELL <b>OIL WELL</b> <input checked="" type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <b>TEXACO PRODUCING INC.</b>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <b>P. O. Box 3109, Midland, Texas 79702</b>		8. FARM OR LEASE NAME <b>FEDERAL NEFF -13-</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface <b>660' FNL, 1980' FEL, UNIT LETTER B.</b> At proposed prod. zone <b>SAME</b>		9. WELL NO. <b>4</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>30 MILES EAST OF CARLSBAD, NEW MEXICO</b>		10. FIELD AND POOL, OR WILDCAT <b>LIVINGSTON RIDGE DELAWARE</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) <b>1980' EAST</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SEC. 13, T-22-S, R-31-E</b>
16. NO. OF ACRES IN LEASE <b>1120</b>		12. COUNTY OR PARISH <b>EDDY</b>
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>		13. STATE <b>NM</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>1869' SE</b>		19. PROPOSED DEPTH <b>8450'</b>
20. ROTARY OR CABLE TOOLS <b>ROTARY</b>		21. APPROX. DATE WORK WILL START* <b>10-21-90</b>
21. ELEVATIONS (Show Whether DF, RT, GR, ETC.) <b>GR-3597'</b>		

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
20	16	65#	H-40	PE	40'	REDI-MIX
14 3/4	11 3/4	47#	K-55	ST&C	840'	CIRCULATE 700 SX
11	8 5/8	32# & 24#	K-55	LT&C	4350'	CIRCULATE 1350 SX
7 7/8	5 1/2	15.5# & 17#	K-55	LT&C	8450' (see steps)	1850 SX

CEMENTING PROGRAM: CONDUCTOR - REDIMIX

SURFACE CSG. - 700 SX CLASS H w/ 2% Cacl2 (15.6ppg, 1.19f3/s, 5. 2gw/s).

INTERMEDIATE CSG. -1100 SX 35/65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.8ppg, 1.87f3/s, 9. 9gw/s). F/B 250 SX CLASS H w/ 2% Cacl2 (15.6ppg, 1.19f3/s, 5.2gw/s).

PRODUCTION CSG. - 1st STG: 800 SX 50/50 POZ CLASS H w/ 2% GEL, 5% SALT & 1/4# FLOCELE (14.25ppg, 1. 28f3/s, 5.75gw/s).

DV TOOL @ 6000' - 2nd STG:1050 SX 35/65 POZ CLASS H w/ 6% GEL & 5% SALT (12.8ppg, 1.87f3/s, 9.9gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

Post ID-1  
10-19-90  
Aurora & 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 C. P. Basham /cwh TITLE DRILLING SUPERINTENDENT DATE 09-17-90  
(This space for Federal or State office use)

PERMIT NO. 10-11-90 APPROVAL DATE 10-11-90  
APPROVED BY AREA MANAGER TITLE CARLSBAD RESOURCE AREA DATE 10-11-90  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

50732-210-05

## INSTRUCTIONS

**GENERAL:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**ITEM 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**ITEM 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**ITEM 14:** Needed ~~on~~ location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**ITEMS 15 AND 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**ITEM 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

30740-40700

## NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR Part 3160.

**PRINCIPAL PURPOSE:** The information is to be used to process and evaluate your application for permit to drill, deepen, or plug back an oil or gas well.

**ROUTINE USES:** (1) The analysis of the applicant's proposal to discover and extract the Federal or Indian resources encountered. (2) The review of procedures and equipment and the projected impact on the land involved. (3) The evaluation of the effects of proposed operation on surface and subsurface water and other environmental impacts. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions, as well as routine regulatory responsibility.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this application and disclosure of the information is mandatory only if the lessee elects to initiate drilling operation on an oil and gas lease.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501 et seq) requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases.

This information will be used to analyze and approve applications.

Response to this request is mandatory only if the lessee elects to initiate drilling operations on an oil and gas lease.

# OIL CONSERVATION DIVISION

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

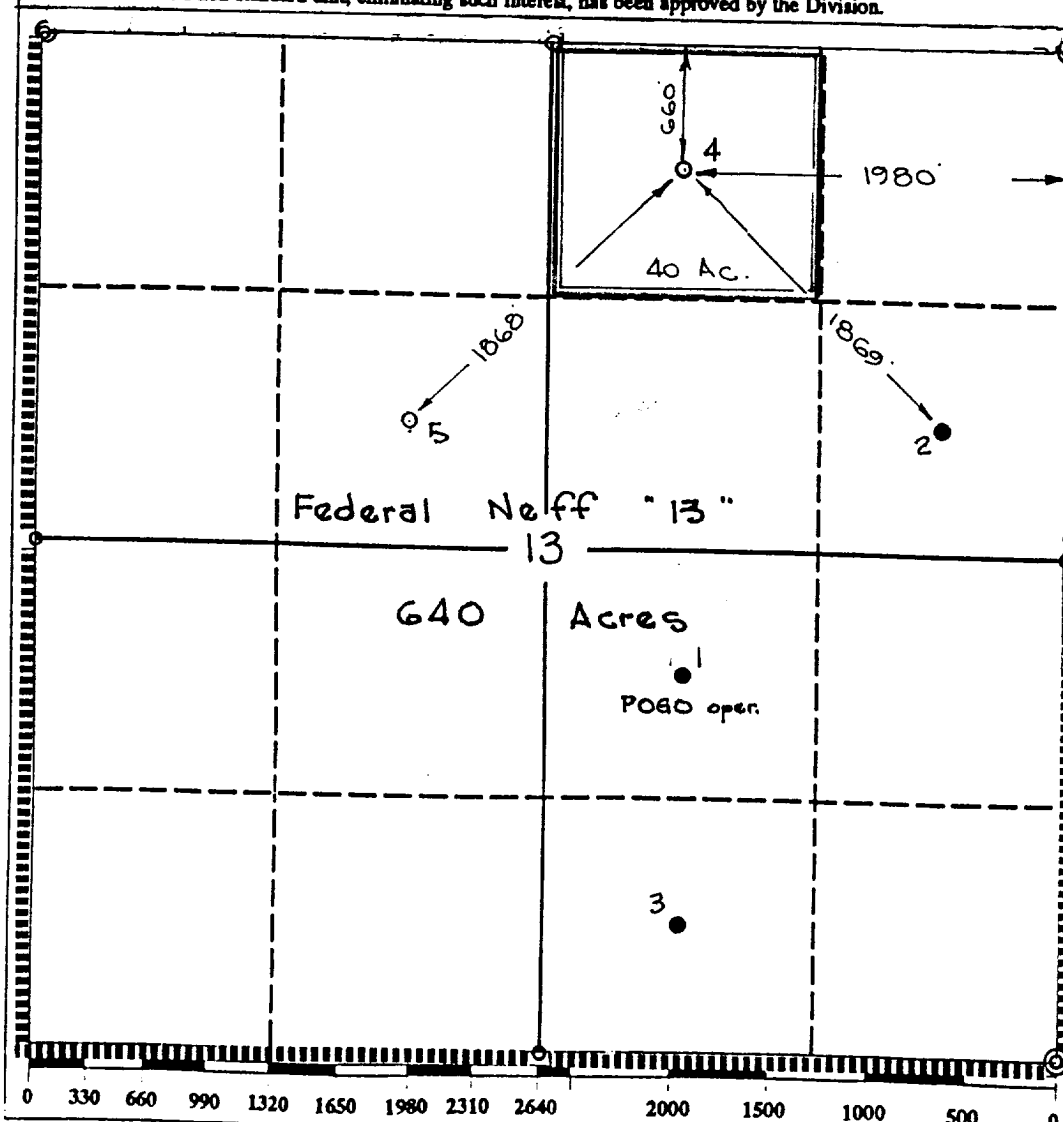
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>TEXACO PRODUCING INC.</b>			Lease <b>FEDERAL NEFF "13"</b>		Well No. <b>4</b>
Unit Letter <b>B</b>	Section <b>13</b>	Township <b>T-22-S</b>	Range <b>R-31-E</b>	County <b>NMPM Eddy</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>East</b> line					
Ground level Elev. <b>3597</b>	Producing Formation <b>Brushy Canyon</b>	Pool <b>Livingston Ridge</b>			Dedicated Acreage: <b>40 Acres</b>

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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  
*Royce D. Mariott*  
Printed Name  
**Royce D. Mariott**  
Position  
**Division Surveyor**  
Company  
**Texaco Producing Inc.**  
Date  
**August 8, 1990**

### 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  
**August 2, 1990**  
Signature & Seal of Professional Surveyor  
*John S. Piper*  
Certificate No.  
**7254 John S. Piper**

Sheet of

ANTICIPATED WATER, OIL, GAS AND MINERAL  
BEARING FORMATIONS

Lease: Federal Neff "13" Well No: 4  
Location: 660' FNL, 1980' FEL, Sec. 13, T-22-S, R-31-E  
County: Eddy State: New Mexico Elevation: GR-3597'  
Proposed TD: 8450'

Formation Tops

<u>Depth</u>	<u>Formation</u>	<u>Oil</u>	<u>Gas</u>	<u>Water</u>	<u>Lithology</u>
200'	Santa Rosa			X	Ss, Redbeds
750'	Rustler				Anhy, Salt
1190'	Salado				Salt
4500'	Lamar				Limestone
4550'	Bell Canyon				Ss
5410'	Cherry Canyon				Ss
7083'	Brushy Canyon	X			Ss
7113'	Brushy Canyon Pay	X			Ss
7908'	Lower Brushy Can.	X			Ss

Geologic Description

The surface geology of this area is Quaternary age alluvium. Occasional outliers of Triassic Santa Rosa Sandstone are found in some areas. Vegetation consists mainly of scrub oak, mesquite and desert grasses.

The base of the salt section is found around 4350'.

No drill stem tests will be conducted. No cores will be taken.

No abnormal pressures, temperatures, or hazardous gases are anticipated to be encountered in this well. GR-CAL-CNL-LDT, GR-CAL-DIL-SFL surveys will be run.

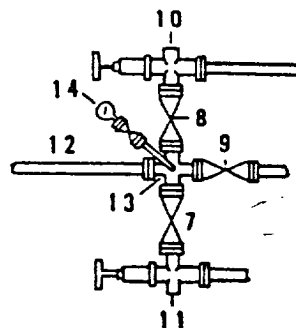
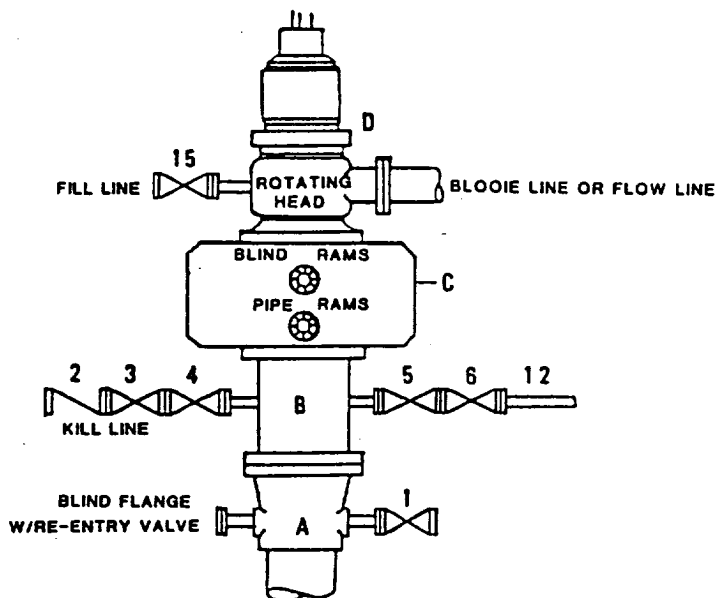
Mud Program

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-840'	Fresh Water	8.4	28
840'-4350'	Brine Water	10.0	29
4350'-8450'	Fresh Water	8.4	29
@ TD if hole conditions dictate	Gel/Drispac	8.6	32-34

Blowout preventer will be installed after surface casing is set. BOP will be tested each time it is installed on a casing string and operated at least once each 24-hour period during drilling.

**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 Bloocie 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          | 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.	DRO. NO.
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			

**EXHIBIT C**

**SURFACE USE AND OPERATIONS PLAN  
FOR  
TEXACO PRODUCING, Inc.**

**FEDERAL NEFF "13" #4,  
660 FNL & 1980 FEL SECTION 13,  
TWP. 22 SOUTH, RANGE 31 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO**

**LOCATED: 30 miles East of Carlsbad, New Mexico**

**FEDERAL LEASE NUMBER: NM 29233**

**LEASE ISSUED: February 1, 1977, Lease is in producing status**

**ACRES IN LEASE: 1120 Acres**

**RECORD LESSEE: TEXACO PRODUCING, Inc.**

**SURFACE OWNERSHIP: USA**

**GRAZING PERMITTEE: Mr. J.C. Mills  
Drawer "G"  
Abernathy, Texas 79311**

**POOL: Brushy Canyon**

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

**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" in a 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 the junction of the proposed resource road with Lea County Road No. C-29, being 11.3 miles Southeasterly, Southerly and Southwesterly, from its intersection with U.S. Highway 62 & 180. Said intersection is approximately 32 miles Northeasterly of Carlsbad and 40 miles Southwesterly of Hobbs, New Mexico along the major established Public Road System. Point "A" is also approximately 8.9 miles Northerly on Eddy County Road No. 798 and 1.1 mile Northeasterly on Lea Co. Road C-29 from Eddy County Road 798 intersection with State Highway 128, which is approximately 34 miles Westerly of Jal, New Mexico.

### 2. PLANNED RESOURCE ROAD

A. Length and Width: From Point "A" as shown on Exhibit "A", a new 14 foot wide Resource Road will be constructed 1180 feet Northerly (Shown in Blue on Exhibit "A") with access at the Southeast 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 one to two percent will be encountered ascending from Point "A" to the proposed well pad.

D. Turnouts: None 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 required.

G. Cuts and Fills: A slight amount of leveling will be required as the road crosses several small sand dunes to the proposed well pad.

H. Gates and Cattle Guards: A cattleguard will be installed at the junction of the planned resource road and Lea County Road C-29.

### 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 will produce will be transported by a 2 or 2 1/2" steel surface flowline (shown in Green on Exhibit "A") laying along the side of the proposed road, crossing Lea County Road C-29 at Point "A", and continuing across country to Texaco's existing Federal Neff "13" Battery located on the East side of the existing well No. 2 pad as shown on Exhibit "A".

B. No electric power line will be built to service this well at this time.

#### 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 alongside existing and proposed roads.

#### 6. SOURCE OF CONSTRUCTION MATERIALS

A. Caliche needed for the road and well pad will be taken from an existing pit in the SW/4, NW/4 of Section 1, T23S, R31E, Eddy County, New Mexico. It will be transported to the proposed road and well site by Eddy County Road 798 and 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 in the drilling pits.

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 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, and trash 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 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 with small and moderate sand dunes. Regionally, the land slopes to the Southwest with average slopes of less than one or two percent.

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

C. Flora and Fauna: The vegetation cover is moderate, it includes range grasses, weeds, scrub oak bushes, 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 3/4 mile of the 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: Federal

12. OPERATOR'S REPRESENTATIVE

C. P. Basham  
Drilling Superintendent  
Texaco Producing, Inc.  
P. O. Box 3109  
Midland, Texas 79701  
Office Phone: (915) 688-4620

CERTIFICATION

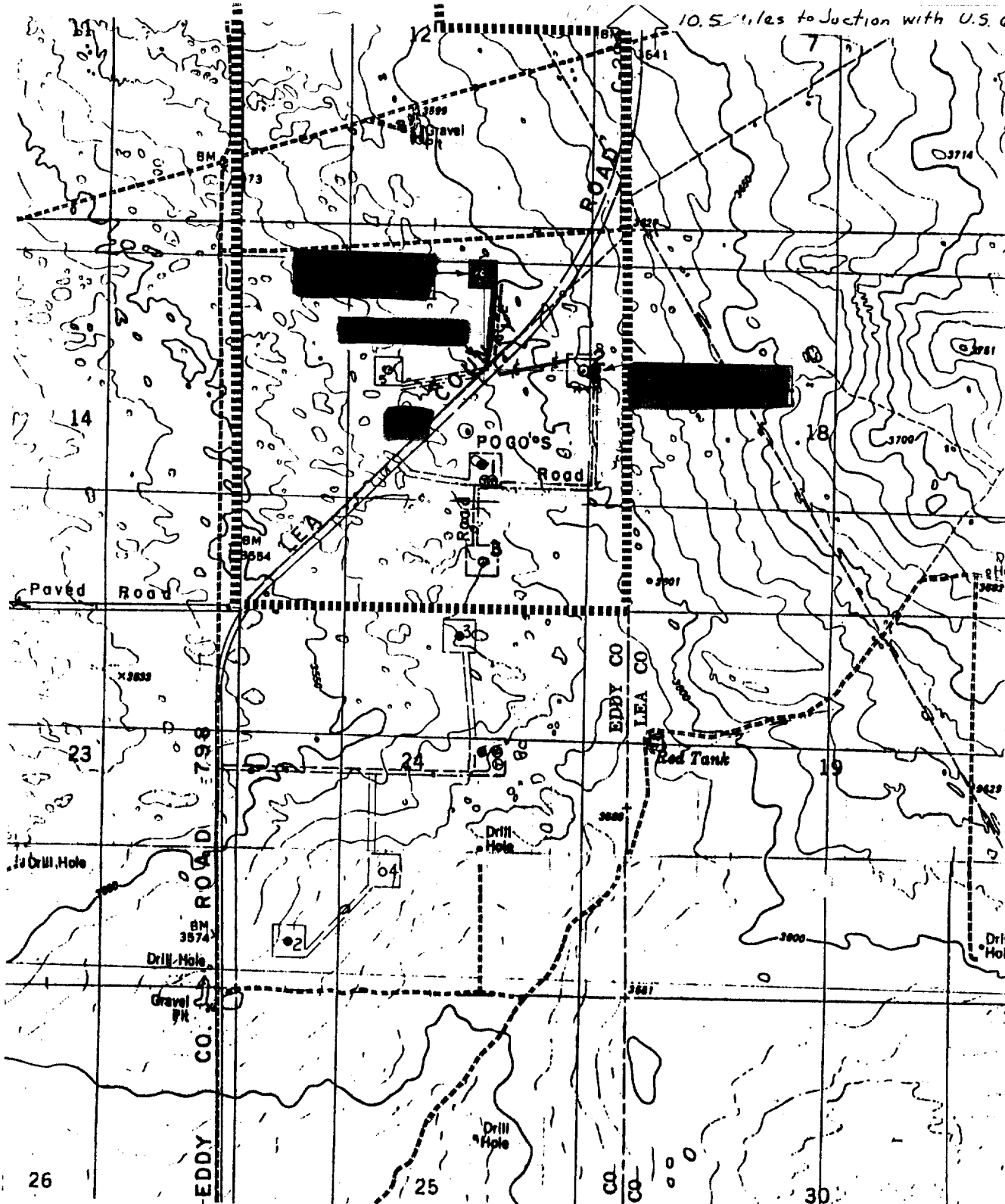
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Texaco Producing, 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.

9-17-90  
Date

Enclosures  
jsp

C. P. Basham / cwh  
C. P. Basham  
Drilling Superintendent  
Midland, Texas

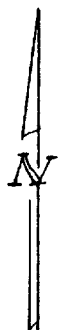
10.5 Miles to Junction with U.S. 62 & 180



7.6 Miles to Junction  
With N.M. No. 128

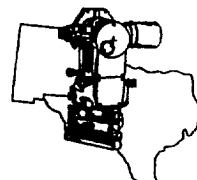
LEGEND OF SYMBOLS

- Resource Road Federal (Red)
- Resource Road on Lease (Yellow)
- Planned Resource Road (Blue)
- Planned Flowline (Green)
- Lease Boundary
- Producing Well
- Staked Location
- ⊙ Tank Battery



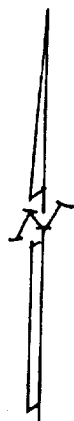
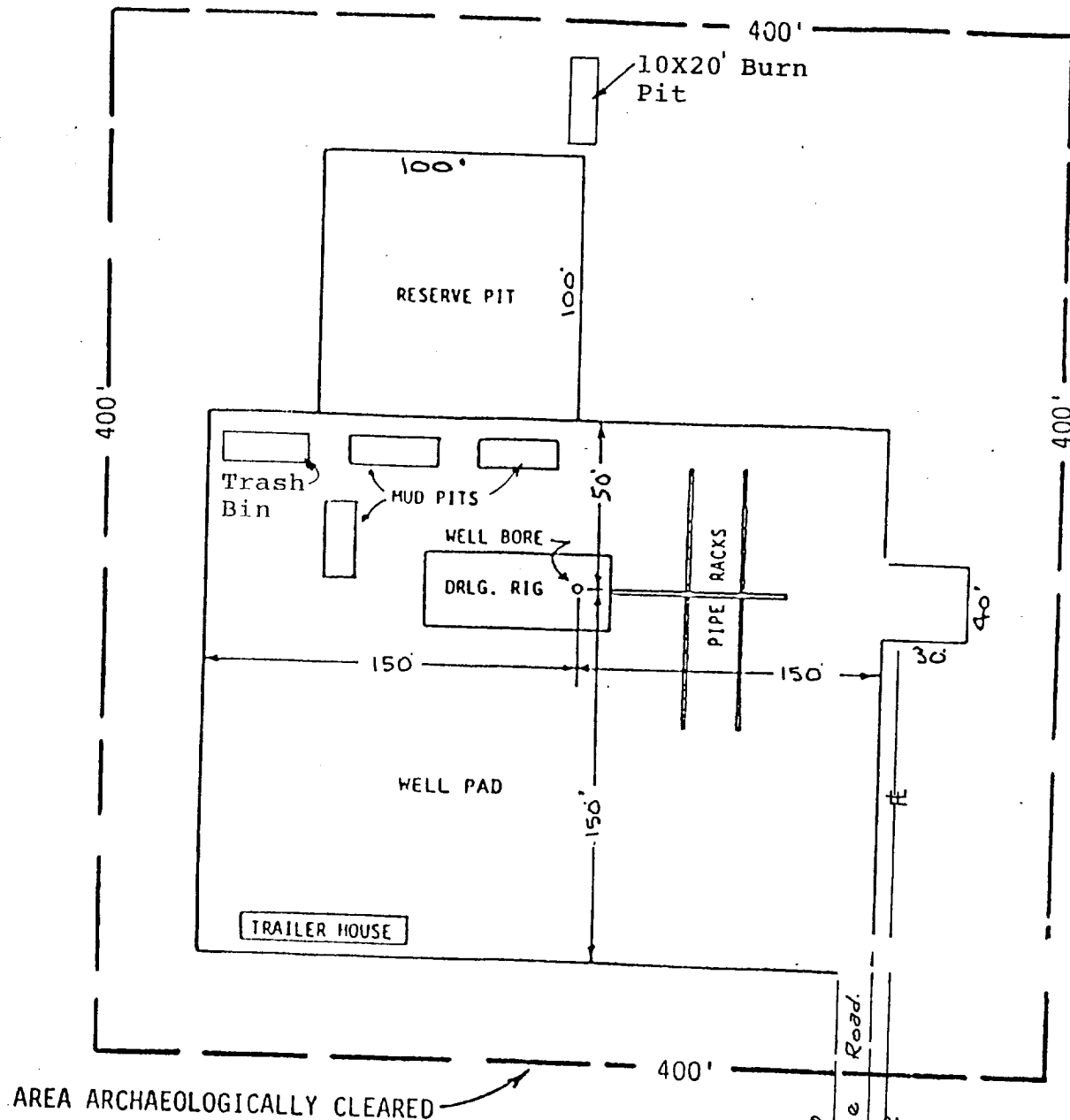
TEXACO PRODUCING INC.

EXHIBIT "A"  
Federal Neff "13" No. 4  
Sec. 13, T22S, R31E, Eddy Co.,



PIPER SURVEYING COMPANY  
P. O. BOX 6432-ATS  
MIDLAND, TEXAS 79711

DRAWN BY: J. S. Piper	SCALE: 1" = 2000'
CHECKED BY:	FILE NO.
DATE: 9/14/90	SHEET 6 OF 8



J.S. Piper 8/7/90

EXHIBIT "B"  
 DRILLING RIG LAYOUT  
 TEXACO PRODUCING INC.  
 Federal Neff "13" No. 4  
 660 FNL & 1980 FEL Section 13,  
 T22S, R31E, NMPM. Eddy Co., NM.

Scale: None

Sheet 7 of 8

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

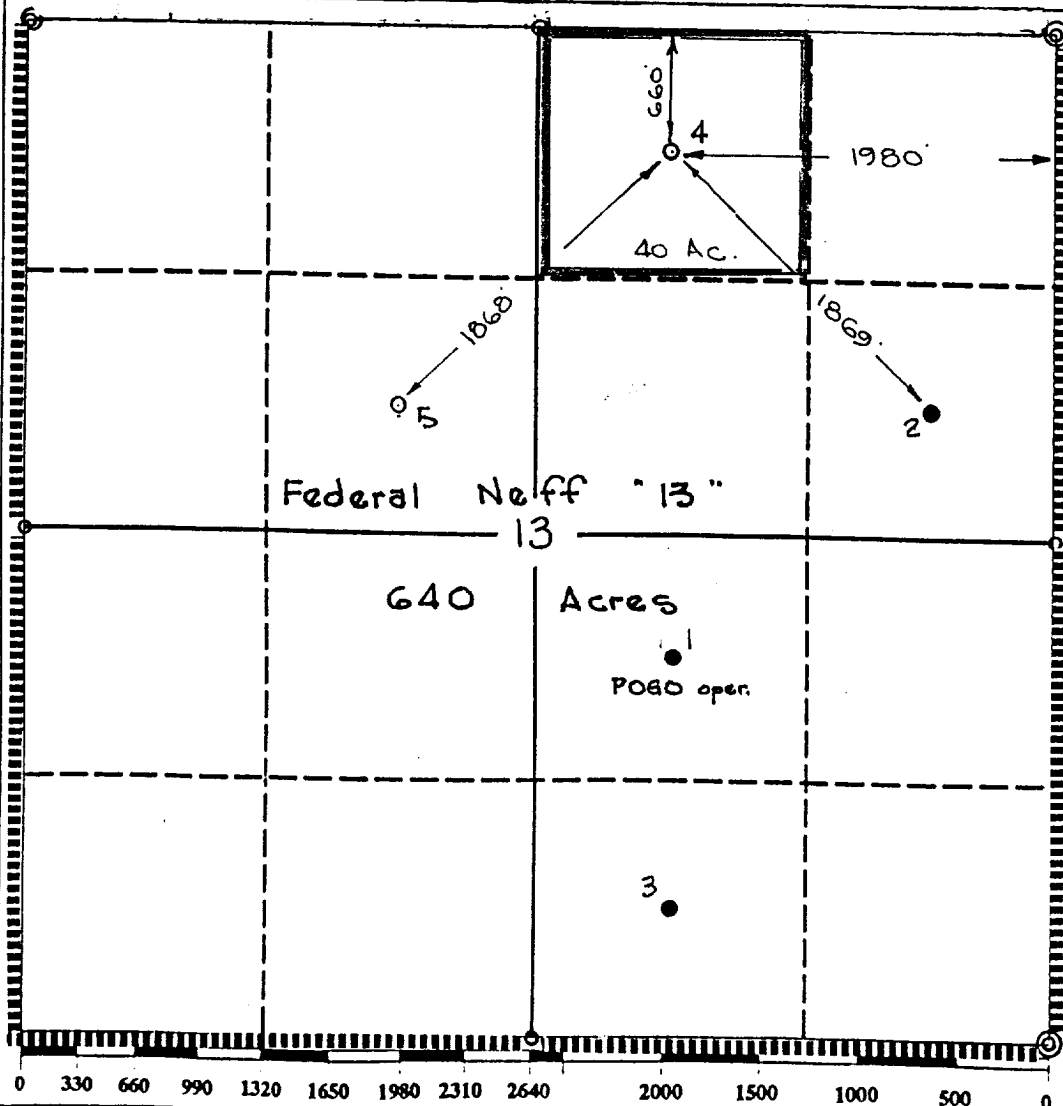
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>TEXACO PRODUCING INC.</b>			Lease <b>FEDERAL NEFF "13"</b>		Well No. <b>4</b>
Unit Letter <b>B</b>	Section <b>13</b>	Township <b>T-22-S</b>	Range <b>R-31-E</b>	County <b>NMPM Eddy</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>East</b> line					
Ground level Elev. <b>3597</b>	Producing Formation <b>Brushy Canyon</b>		Pool <b>Livingston Ridge</b>		Dedicated Acreage: <b>40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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  
*Royce D. Mariott*  
Printed Name  
**Royce D. Mariott**  
Position  
**Division Surveyor**  
Company  
**Texaco Producing Inc.**  
Date  
**August 8, 1990**

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  
**August 2, 1990**  
Signature & Seal of Professional Surveyor  
*John S. Piper*  
Certificate No.  
**7254 John S. Piper**  
Sheet of

© = 2" Iron Pipe w/G.L.O. B.C. ○ = 1" Iron Pipe w/G.L.O. B.C. ● = Producing Well ○ = Staked Location