

30-015-26287

BLM Roswell District
Modified Form No.
NM60-3160-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
Texaco Producing Inc. /

3a. Area Code & Phone No.
915-688-4620

3. ADDRESS OF OPERATOR
P. O. Box 3109 Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
660' FSL, 660' FWL, Unit Letter M
At proposed prod. zone

10. FIELD AND POOL, OR WILDCAT
Livingston Ridge

11. SECTION, TOWNSHIP, RANGE, OR BLK. AND SURVEY OR AREA
Sec. 24, T-22-S, R-31-E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
30 Miles East of Carlsbad, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest dirg. unit line, if any)
660'

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1865'

19. PROPOSED DEPTH
8000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR-3585'

22. APPROX. DATE WORK WILL START*
3-1-90

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'	Redimix
14-3/4"	11-3/4" *	42# or 47#	H40 or K-55	ST&C	840'	700 SX CIRCULATE
11"	8-5/8"	24# & 32#	K-55	ST&C	4520'	1350 SX CIRCULATE
7-7/8"	5-1/2"	15.5# & 17#	K-55	LT&C	8000'	1300 SX

changes as per D. Cain, 2/14/90. (SRS)

CEMENTING PROGRAM ATTACHED

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

No other Operator in this 1/4 Section.

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.

SIGNED OP Baker TITLE Drilling Superintendent DATE 2-13-90

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 2-15-90

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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 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 only when 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.

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 operations 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

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 TEXACO PRODUCING INC.			Lease GETTY FEDERAL "24"		Well No. 2
Unit Letter M	Section 24	Township 22-South	Range 31-East	County NMPP	Eddy

Actual Footage Location of Well:

660 feet from the South line and 660 feet from the West line	Dedicated Acreage: 40 Acres
Ground level Elev. 3585	Producing Formation Brushy Canyon
	Pool Livingston Ridge

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: January 12, 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: January 10, 1990

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

Certificate No.: 7254 John S. Piper

GETTY - FEDERAL "24" WELL NO. 2

CEMENTING PROGRAM

Conductor Casing: Ready-Mix.

Surface Casing: 700 sacks Class "H" with 2% CaCl_2 and 1/4# Flocele (15.6 ppg, 1.19 cu ft/sx, 5.2 gals wtr/sx).

Intermediate Casing: 1100 sacks 35/65 Poz Class "H" with 6% Gel, 5% salt, 1/4# flocele (12.8 ppg, 1.87 cu ft/sx, 9.9 gals wtr/sx), followed by 250 sx Class "H" (15.6 ppg, 1.18 cu ft/sx, 5.2 gals wtr/sx).

Production Casing: 1st Stage: 600 sacks 50/50 Poz Class "H" with 2% gel, 1/4# flocele (14.2 ppg, 1.28 cu ft/sx, 5.75 gals wtr/sx).

DV Tool @ 6000': 2nd Stage: 700 sacks 35/65 Poz Class "H" with 6% gel, 5% salt, 1/4# flocele (12.8 ppg, 1.87 cu ft/sx, 9.9 gals wtr/sx).

ANTICIPATED WATER, OIL, GAS, AND MINERAL
BEARING FORMATIONS

Well: Getty - Federal "24" Well No. 2
Location: 660' FNL, 2310' FEL, Sec. 24, T-22-S, R-31-E
County: Eddy State: New Mexico
Elevation: 3566' GR Proposed TD: 8000'

Formation Tops

<u>Depth</u>	<u>Formation</u>	<u>Oil</u>	<u>Gas</u>	<u>Water</u>	<u>Mineral</u>
4487'	Lamar				
4536'	Bell Canyon				
5390'	Cherry Canyon				
7028'	Brushy Canyon	X			
7859'	Lower Brushy Canyon	X			

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.

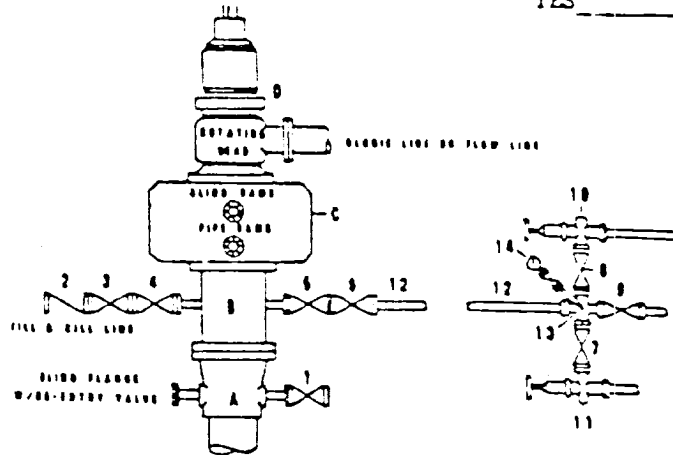
Mud Program

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-840'	Fresh Water	8.4	28
840'-4520'	Brine Water	10.0	29
4520'-8000'	Fresh Water Gel	8.4 - 8.6	29 - 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 YATES AIR BLOWS ARE EXPECTED

H₂S TRIM REQUIRED
 YES _____ NO _____



DRILLING CONTROL

MATERIAL LIST - CONDITION II - B.
FOR AIR DRILLING

- 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 substructure height is adequate, 2-3000# W.P. single ram type preventers may be utilized.)
- D Rotating Head and extended Blosie Line.
- 1,3,4, 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 7,8
- 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 elbow
- 10, 11 2" minimum 3000# W.P. adjustable choke bodies
- 14 Cameron Mud Gauge or equivalent (location optional in choke line.)

SCALE	DATE	SST NO	DRB NO
DRAWN BY			
CHECKED BY			
APPROVED BY			



TEXACO, INC
 HOLLAND DIVISION
 HOLLAND, TEXAS



EXHIBIT C

SURFACE USE AND OPERATIONS PLAN
FOR
TEXACO PRODUCING INC.

GETTY FEDERAL "24" NO. 2
660 FSL & 660 FWL SECTION 24,
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: 405476

LEASE ISSUED: Lease is in producing status

ACRES IN LEASE: 640.00 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 a local resource road with Eddy County Road No. 798, being 12.4 miles Southeasterly, Southerly and Southwesterly on Lea County Road C-29 and 0.3 miles Southerly on Eddy County Road 798, from Lea County Road C-29 junction with U.S. Highway 62 & 180. Said junction 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 approximate 8.7 miles Northerly on Eddy County Road No. 798 from its Junction with State Highway 128 which is approximately 34 mile Westerly of Jal, New Mexico.

The local resource road travels Easterly 0.05 miles to Point "B" where access to the Lease is acquired as shown on Exhibit "A". This local access road consists of 0.05 miles on Federal Lands (Red) as shown on said Exhibit.

An Existing Resource Road, on the subject lease shown in yellow on Exhibit "A", will be used from Point "B" 0.38 miles Easterly to Point "C".

2. PLANNED RESOURCE ROAD

A. Length and Width: From Point "C" as shown on Exhibit "A", a new 14 foot wide Resource Road will be constructed 1040 feet Southerly to the Southwest corner of proposed Well Site No. 4 and 1700 feet Southwesterly as 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 three percent will be encountered ascending from Point "C" to the proposed well pad of location No. 4 and a approximate grade of two percent will be encountered then to the proposed location.

D. Turnouts: As 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 as required.

F. Culverts: None required.

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

H. Gates and Cattle Guards: None 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 will produce will be transported by a surface flowline (shown in Green on Exhibit "A") laying along the side of the proposed and existing resource roads to the existing Getty Federal "24" Battery located on the East side of the Well No. 1 existing 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 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 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 buried in a separate trash pit and covered with a minimum of 24 inches of soil. All waste material will be contained to prevent scattering by the wind. Location of trash pit is shown on Exhibit "C".

F. All trash and debris will be buried or removed from the well site within 30 days after completion of drilling and/or completion operations.

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 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 with small and moderate sand dunes. Regionally, the land slopes to the Northeast 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 bush. 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

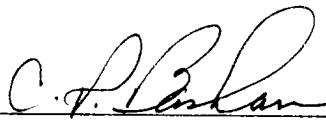
C. P. Basham
Drilling Superintendent
Texaco Producing Inc.
P. O. Box 3109
Midland, Texas 79701
Office Phone: (915) 688-4620

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.

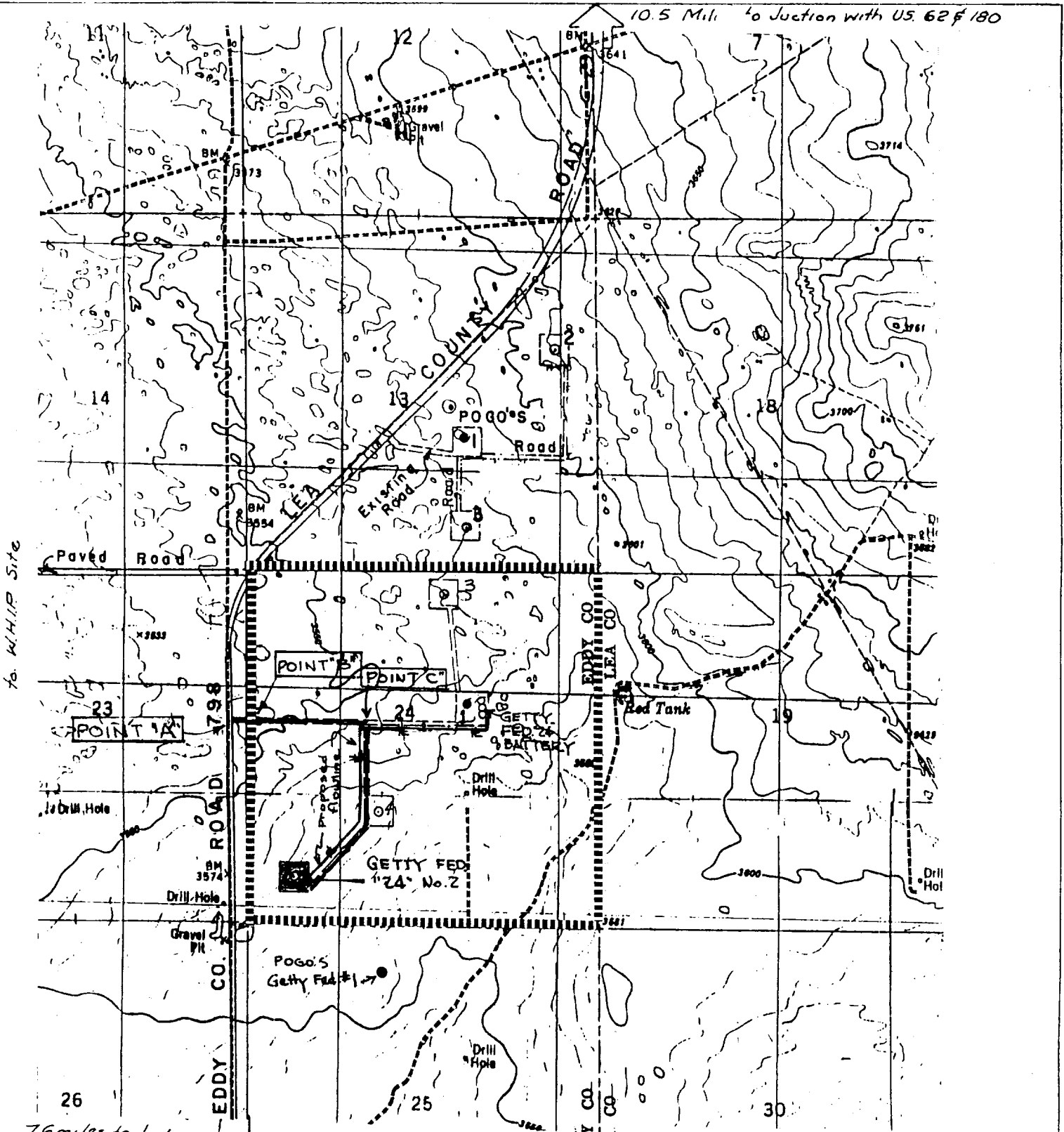
2-15-90
Date

Enclosures
jsp


C. P. Basham
Drilling Superintendent
Midland, Texas

to W.H.P. Site

10.5 Miles to Junction with US. 62 & 180



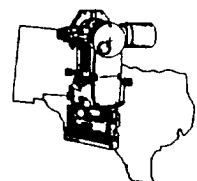
LEGEND OF SYMBOLS

- Resource Road Federal (Red)
- Resource Road on Lease (Yellow)
- Planned Resource Road (Blue)
- Planned Flowline (Green)
- Lease Boundary



TEXACO PRODUCING INC.

Exhibit "A"
Getty Federal "24" No. 2
Sec. 24, T-22-S, R-31-E, Eddy Co. NM.



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

DRAWN BY JSP/er	SCALE 1"=2000'
CHECKED BY	FILE NO
DATE 2/12/90	SHEET 6 OF 8

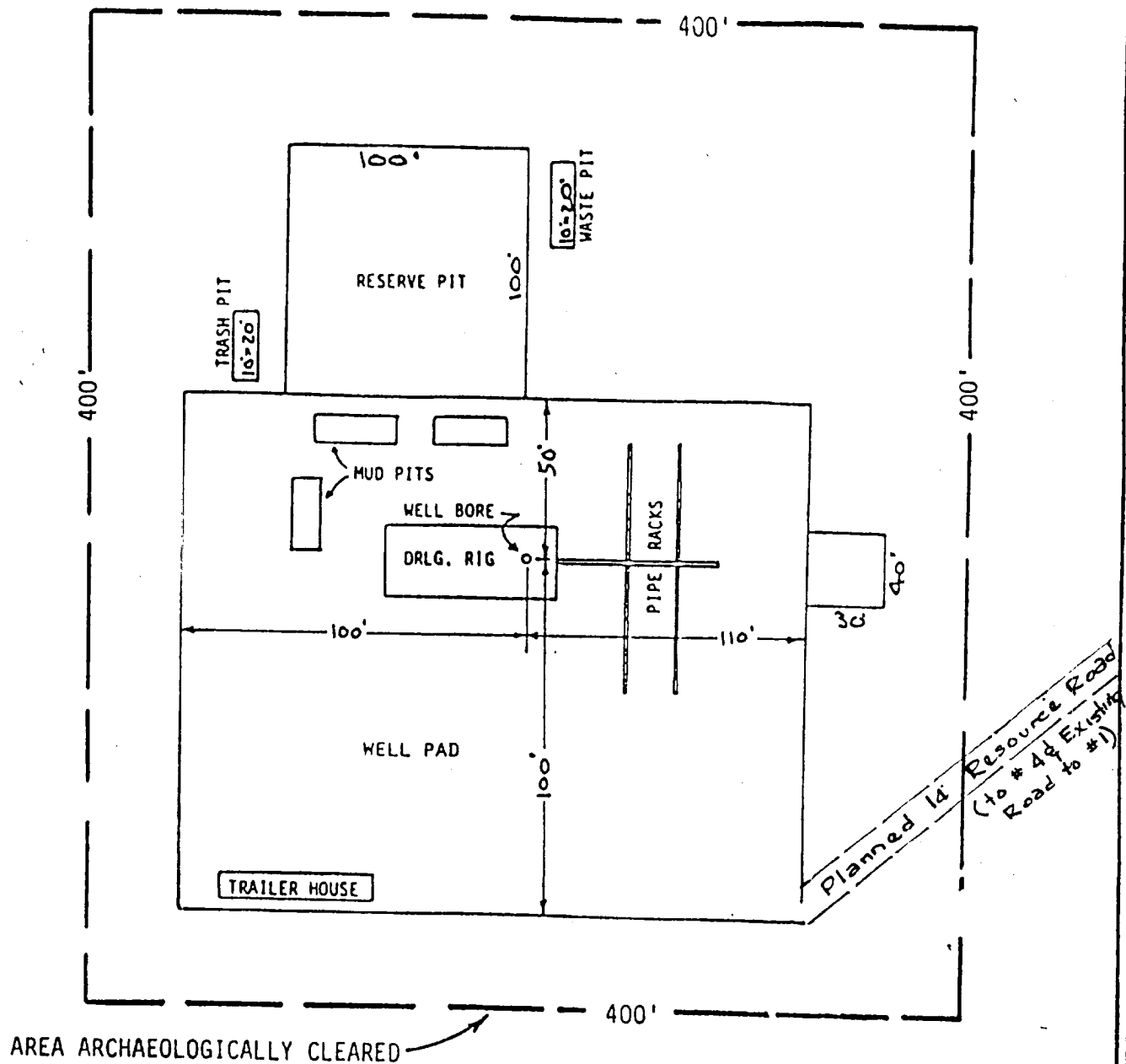


EXHIBIT "B"

TEXACO PRODUCING INC

Getty Federal "24" No. 2

Sec. 24, T. 22 S, R. 31 E, Eddy Co., NM.

DRILLING RIG LAYOUT

SCALE: None

Sheet 7 of 8

OIL CONSERVATION DIVISION

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

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

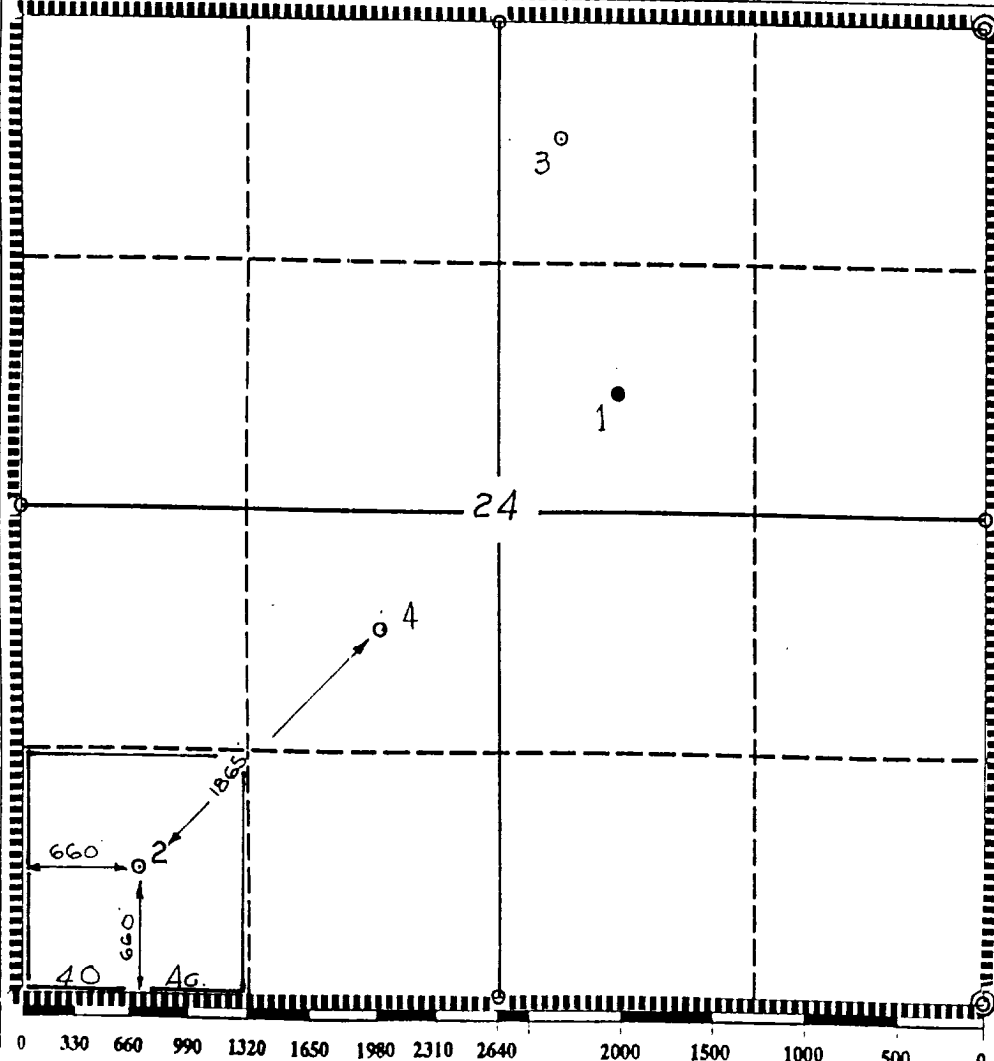
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO PRODUCING INC.		Lease GETTY FEDERAL "24"		Well No. 2
Unit Letter M	Section 24	Township 22-South	Range 31-East	County Eddy
Actual Footage Location of Well: 660 feet from the South line and 660 feet from the West line Ground level Elev. 3585 Producing Formation Brushy Canyon Pool Livingston Ridge Dedicated Acreage: 40 Acres				
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>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.? <input type="checkbox"/> Yes <input type="checkbox"/> 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.</p>				
				<p>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature <i>Royce D. Mariott</i> Printed Name Royce D. Mariott Position Division Surveyor Company Texaco Producing Inc. Date January 12, 1990</p> <p>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.</p> <p>Date Surveyed January 10, 1990 Signature & Seal of Professional Surveyor <i>John S. Piper</i> Certificate No. 7254 John S. Piper</p>
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0				Sheet 8 of 8