Mits 8-692

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3160(067) NM-25876

703 12 1992

CERTIFIED--RETURN RECEIPT REQUESTED P 864 869 058

Texaco Exploration and Production Inc. Attention: K. S. Hillman P. O. Box 3109 Midland, TX 79701

RE: Getty -24- Federal Well No. 6 NM-25376 1650' FNL & 990' FWL, Sec. 24, T22S, R31E Eddy County, New Mexico

Dear Mr. Hillman:

I am happy to approve your Application for Permit to Drill (APD) at the present location. Your copy of the APD, with attached stipulations, is enclosed.

As you may be aware, there has been a significant increase in APD's in the Secretary's Potash area. Unfortunately, this has resulted in a lengthy processing time. If you have any APD's which need to receive a higher priority, please contact or submit a list to the Carlsbad Resource Area.

If any additional information is required, please contact Tony Herrell or Craig Cranston at the Carlsbad Resource Area (505) 887-6544.

Sincerely,

Monte G. Jordan

Lorry L. Woodard
State Director

1 Enclosure

1 - Application for Permit to Drill

bcc:

NM (920, R. Smith) NM (065, A. Lopez) NM (061, L. Cone)

067:CCranston:nm:07/14/92:A:\24getty6.AL

Jyn 9 2 8/6/92

Form 3160-3 (July 1989) (formerly 9-331C)

UNITED STATES DEPARTMENT OF THE INTERIOR

CONTACT RECI NO OFFICE FOR NUM. R OFFICE FOR NUM. R OFFICE REQUIRED (Other instructions on reverse side) NG

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C.P.Bashaw C.W.H. TITLE DRILLING OPERATIONS MANAGER DATE 02-05-92 s space for Federal or State office use) ERMIT NO	ACO REQUE STORY AND ACO REQUE STORY ACO REQUE STORY ACO ACO REQUE STORY ACO	gw/s). F/B 25 ASING - 1st ST/ Bf3/s, 5.75gw I# FLOCELE (12 OTHER OPERAT STS A VARIANC TITUTING A ROT D/GAS SEPERA THE MUD/GAS	O SACKS CLASS AGE: 725 SACKS /s). DV TOOL (2.8ppg, 1.87f3, TORS IN THIS QUA E FROM ORDER TATING HEAD FOR TOR IN LIEU OF I SEPERATOR IN L	ARTER QUENCE OF F	Caci2 (15. POZ CLASS 2nd STAG w/s). FB JARTER SEC QUIRING A FINULAR PRE THE LINES RUNNING TO	6ppg, 1.19f3/6 H w/2% GEL, 8 E: 900 SACKS 8 100 SACKS CLA CTION. REMOTE CONTRO VENTER. WE V TO A PIT AND T THE PIT.	S, 5.2gw 5% SALT 35/65 PG SS H (15 DL UNIT F WILL INSI HE INSIDI	A/S). & 1/4# FLC OZ CLASS H 5.6ppg, 1.1 FOR A 3M BC TALL TWO CE EBLEED LIN	DCELE W/6% G 8f3/s, 5 DP, WE DUTSIDE WILL FIT. A 525	EL, i.2gw/s) CHOKE
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*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 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 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 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 lesse.

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 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., Aziec, NM 87410

<u>DISTRICT J</u> P.O. Box 1980, Hobbs, NM 88240

WELL LOCATION AND ACREAGE DEDICATION PLAT

TEXACO EXPLORATION 6 PRODUCTION INC. Settler Seque Township Exp. 24 22-South 31-Bast NMPM Eddy 1.650 feet from the West List List List Township Fool 1.0 Cultive the accepted dedicated to the well, outline each and identify the consentiation, from-posing, as a list of firm of the well, outline each and identify the consolidated. (Use reverse and or yearly). 3.1 If move than one lease is dedicated to the well, outline each and identify the consolidated. (Use reverse and or yearly). 3.1 If move than one lease of different convership is dedicated to the well, have the interest of all owners been consolidated by communication, from-posing, as 1 is served as a local deadproper which have sexually been consolidated. (Use reverse and or year). 3.1 If move than one lease of different convership is dedicated to the well, have the interest of all owners been consolidated by communication, from-posing, as 1 is served as a true at dead consolidated. (Use reverse and of the reverse and of the serverse and true). 3.1 If move than one lease of different convership is dedicated to the well, have the interest of all owners been consolidated by communication, from-posing, as a list of the server is a list of the serverse and of the serverse and of the serverse and true at dead consolidated. (Use reverse and of the reverse and of the serverse and true at dead consolidated.) 3.1 If move than one lease of different convership is dedicated to the well until all interests and true at dead conversed to the serverse and true at dead of th				All Dist	ances must be	from the out	er boundaries d	of the section			
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ANTICIPATED WATER, OIL, GAS AND MINERAL BEARING FORMATIONS

Lease: Getty "24" Federal Well No. 6

Location: 1650' FNL, 990' FWL, Sec. 24, T-22-S, R-31-E County: Eddy State: New Mexico Elevation: GR-3545'

Proposed TD: 8450'

Formation Tops

<u>Depth</u>	<u>Formation</u>	<u>0il</u>	<u>Gas</u>	Water	Lithology
185' 785' 1181' 4440' 4520' 5544' 6984' 7009' 8344'	Santa Rosa Rustler Salado Lamar Bell Canyon Cherry Canyon Brushy Canyon Brushy Canyon Pay Bone Spring	x x		X	Ss, Redbeds Anhy, Salt Salt Limestone Sandstone Sandstone Sandstone Sandstone Limestone

Geologic Description

The surface geology of this area is Quaternary age alluvium. Occassional 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. A water flow was encountered at the Neff "13" Federal lease drilled to the north. If a water flow is encountered, a DV Tool will be placed at approximately 3000' on the Intermediate Casing and cemented as follows: 1st Stage - 600 sacks class H w/ 1% Cacl2 mixed at 15.6 PPG. 2nd Stage - 800 sacks 35/65 Poz class H w/ 6% Gel, 5% Salt & 1/4# Flocele mixed at 12.8 ppg, F/B 700 sacks class H w/ 1% Cacl2 mixed at 15.6 PPG.

GR-CAL-CNL-LDT, GR-SP-DIL-SFL and Dielectric surveys will be run.

Getty "24" Federal Well No. 6

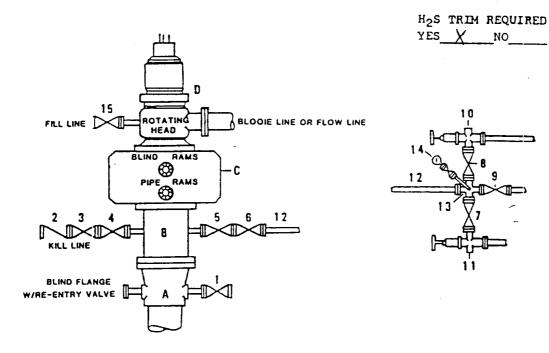
Mud Program

<u>Depth</u>	Type	Weight	<u>Viscosity</u>
0'-880'	Fresh Water	8.4	28
880'-4400'	Brine Water	10.0	29
4400'-6900'	Fresh Water	8.4	28
6900'-8450'	Starch	8.6	33-36

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



DRILLING CONTROL

MATERIAL LIST - CONDITION II - B

A	Texaco Wellhead
в .	3000# W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
С	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 with fill up outlet and extended Blooie Line.
1,3,4, 7,8,	2 st minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
2	2 ^M minimum 3000# W.P. back pressure valve.
5,6,9	3 rd minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
12	3 ^m 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	1][

SURFACE USE AND OPERATIONS PLAN FOR

TEXACO EXPLORATION AND PRODUCTION. INC.

GETTY FEDERAL "24" No. 6,

1650 FNL & 990 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: NM 25876

LEASE ISSUED: Lease is in producing status

ACRES IN LEASE: 640 Acres

RECORD LESSEE: TEXACO EXPLORATION AND PRODUCTION, Inc.

SURFACE OWNERSHIP: USA

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

POOL: Brushy Canyon

COOL RULES: Field Rules are for no wells to be located closer than 330' to any quarter-quarter section, to be 300' from the least line, and 330' from the nearest well.

EXHIBITS: A. Access Road and Facilities Map

- E. Brilling Rig Layout Biagram
- C. Well bocation and acreage bedication Pist

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 the junction of the existing resource road with Eddy County Road No. 798, being 12.4 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 8.6 miles Northerly on Eddy County Road No. 798 from Eddy County Eoad 798 intersection with State Highway 128, which is approximately 34 miles Westerly of Jal, New Mexico.

The local existing resource road travels Easterly 0.05 miles to Point "B" where access to the lease is acquired. This resource road is located across Federal Lands as shown in Pink on Exhibit "A".

Continuing along said resource road on the subject lease Easterly 0.15 miles to Point "C" as shown in light green on Exhibit "A".

2. PLANNED RESOURCE ROAD

- A. <u>Length and Width:</u> From Point "C" as shown on Exhibit "A", a new 14 foot wide Resource Road will be constructed 400 feet Northerly and 100 feet Easterly (Shown in Purple on Exhibit "A") with access at the Southwest corner of the proposed well pad, as shown on Exhibits "A" and "B".
- B. <u>Surfacing Material</u>: Caliche material will be used to surface the proposed road. It will be watered, compacted, and graded.
- C. <u>Maximum Grade:</u> An approximate grades of one percent will be encountered descending and then ascending from Point "B" to the proposed well pad.
 - D. Turnouts: Turnouts will be constructed as required.
- E. Drainage Design: The new road will be crowned at the confer to direct drainage to ditches on both sides of the roadway will termout ditches to be constructed as required.
 - F. Cultagris: None required.
- G. Cuts and Fills: A moderate amount of leveling will be required as the road crosses several intermediate size sand dumes to the proposed well pad.
 - II. Gates and Calife Guards: None required.

3. LOCATION OF EXISTING WELLS

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

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 Dark Green on Exhibit "A") Southerly along the East side of the proposed resource roads and across country to Texaco's existing Getty Federal "24" Battery located on the South side of the existing well No. 2 pad as shown on Exhibit "A".
- B. An electric power line will be built to service this well as shown in red on Exhibit "A". Note that other existing and proposed electric lines are also shown on Exhibit "A" for reference.

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 road and well pad will be taken from the proposed borrow pit located within the $400~\rm x$ 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 NE/4 of the SW/4 of Section 12, T22S, R31E, by Lea County Road C-29, 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 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, and 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. <u>Topography:</u> 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 the continuous two percent.
 - 1. Full Top soil at the well site is a deep sandy leam.
- c. Figura and Fauna: The venetation 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 coyones, rapplies, redents, repulles, hawks, dove quail and other small birds.
- D. Ponds and Streams; There are no rivers, takes, ponds, or atreams 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 Exploration and Production, Inc. P. O. Box 3109 Midland, Texas 79701 Office Phone: (915) 688-4620

CERTIFICATION

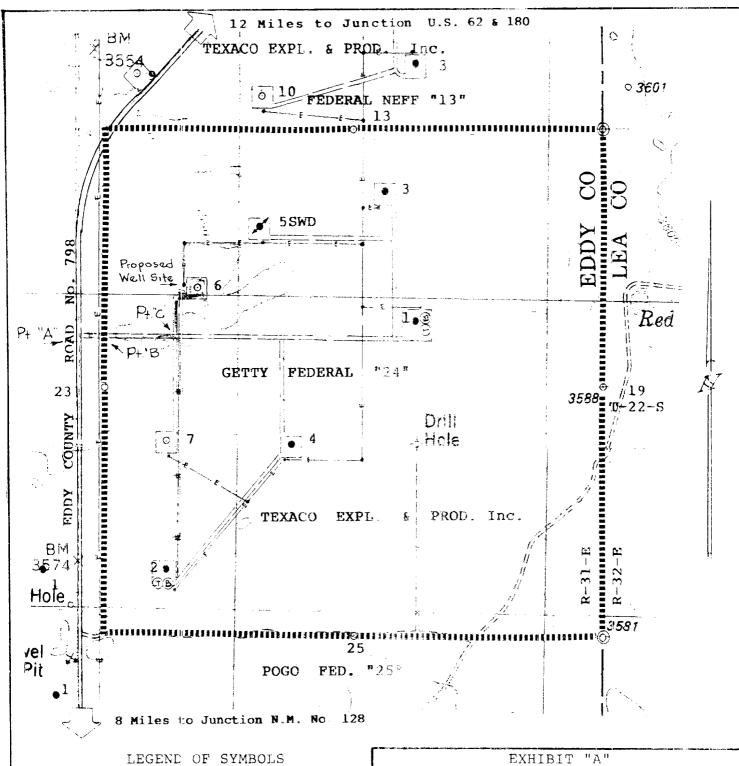
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Texaco Exploration and Production, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

7/6/92

Bastian Kis. Hillman Drilling Superintenden

Midfand, Texas

Englosures JSD



= Access Road (Yellow) = Resource Road, Federal (Pink) = Resource Road, State (Orange) = Resource Road, Private (Blue) = Existing Resource Road on Lease(Green) = Proposed Resource Road (Purple) - E = Electric Line (Proposed Red) - W = Proposed Flowline (Dark Green) - W = Water Supply Lines (Dark Blue) O = Staked Locations • Producing Oil Wells TB = Tank Battery

****** = Lease Boundary Lines

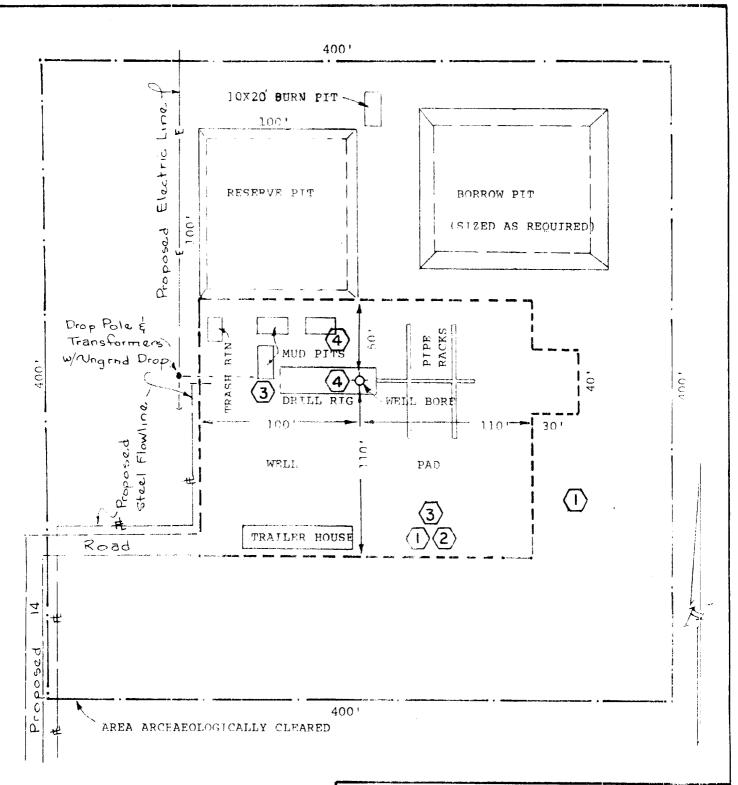
EXHIBIT "A"

ACCESS ROAD AND FACILITIES MAP

TEXACO EXPLORATION AND PRODUCTION, Inc

GETTY FEDERAL "24" No. 6 990' FWL & 1650' FNL Section 24, T229, R31E, NMPM., EDDY COUNTY, NEW MEXICO

Drawn by: J.S. Piper	Scale: 1" = 1000 Feet
Date: Feb. 5, 1992	Checked bv: D. Kelly
Supervision:R.D.Mariot	#Sheet 6 of 3



H2S DRILLING OPERATION PLAN

- Briefing Station
- (2) H₂S Safety Trailer
- (3) Windsocks
- H₂S Detectors, -Shale Shaker, Rotating Head, Rig Floor

EXHIBIT "B" DRILLING RIG LAYOUT

TEXACO EXPLORATION AND PRODUCTION INC.

GETTY FEDERAL "24" No. 6

990' FWL & 1650' FNL SECTION 24, TI2S R31E, NMPM., EDDY COUNTY, NEW MEXICO

Drawn by: J.S. Piper	Scale: 1" = 60'
Date: Fed. 5, 1992	Royce D. Mariott
Checked by: D.E Kelly	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

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., Aziec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Оре	rator					Lease	· · · · · · · · · · · · · · · · · · ·			Well No.	
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