

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT R... VING
OFFICE FOR...
OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District

Modified Form No.

BLM 60-3160-2

30-015-27226

5. LEASE DESIGNATION AND SERIAL NO.

NM-58023

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

'EE' FEDERAL -24- Federal

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

DAGGER DRAW UP, PENN. N.

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

SEC. 24, T-19-S, R-24-E

12. COUNTY OR PARISH

EDDY

13. STATE

NM

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

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

TEXACO EXPLORATION AND PRODUCTION INC.

3a. AREA CODE & PHONE NO.

(915) 688-4620

3. ADDRESS OF OPERATOR

P. O. Box 3109, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1880' FNL & 1650' FEL, UNIT LETTER: G

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

16 MILES SOUTHWEST OF ARTESIA, NEW MEXICO

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

760'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

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

988'

19. PROPOSED DEPTH

8000'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show Whether DF, RT, GR, ETC.)

GR-3598'

22. APPROX. DATE WORK WILL START *

NOVEMBER 23, 1992

23. PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48#	WC-40	PE	40'	REDIMIX
12 1/4	8 5/8	24#	WC-50	ST&C	1100'	600 SACKS CIRCULATE
7 7/8	5 1/2	15.5# & 17#	WC-50	LT&C	8000'	1485 SACKS (600' above Wolfcamp)

CEMENTING PROGRAM: CONDUCTOR - REDIMIX.

SURFACE CASING - 450 SACKS CLASS C w/ 4% GEL, 2% CaCl₂ (13.5ppg, 1.74cf/s, 9.11gw/s). F/B 150 SACKS CLASS C w/ 2% CaCl₂ (14.8ppg, 1.34cf/s, 6.31gw/s).

PRODUCTION CASING - 1st STAGE: 550 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# CELLOPHANE FLAKES (12.8ppg, 1.87cf/s, 9.9gw/s). F/B 160 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).
DV TOOL @ 4500' - 2nd STG: 675 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, & 1/4# CELLOPHANE FLAKES (12.8ppg, 1.87cf/s, 9.9gw/s). F/B 100 SACKS CLASS H (15.6ppg, 1.18cf/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

NOTE: LOCATION WAS MOVED 100' NORTH FROM THE 'NOTICE OF STAKING' LOCATION AT THE REQUEST OF THE BLM.

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/cwt

TITLE DRILLING OPERATIONS MANAGER

DATE 11-06-92

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

*See Instructions On Reverse Side

ATTACHED

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.

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., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease EE FEDERAL "24"		Well No. 3
Unit Letter G	Section 24	Township 19-South	Range 24-East	County Eddy	
Actual Footage Location of Well: 1880 feet from the North line and 1650 feet from the East line					
Ground level Elev. 3598	Producing Formation Cisco-Canyon		Pool Dagger Draw Upper Penn., N.		Dedicated Acreage: 160 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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

Printed Name

Royce D. Mariott

Position

Div. Surveyor

Company

Texaco Expl. & Prod.

Date

10-6-92

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.

November 4 1992

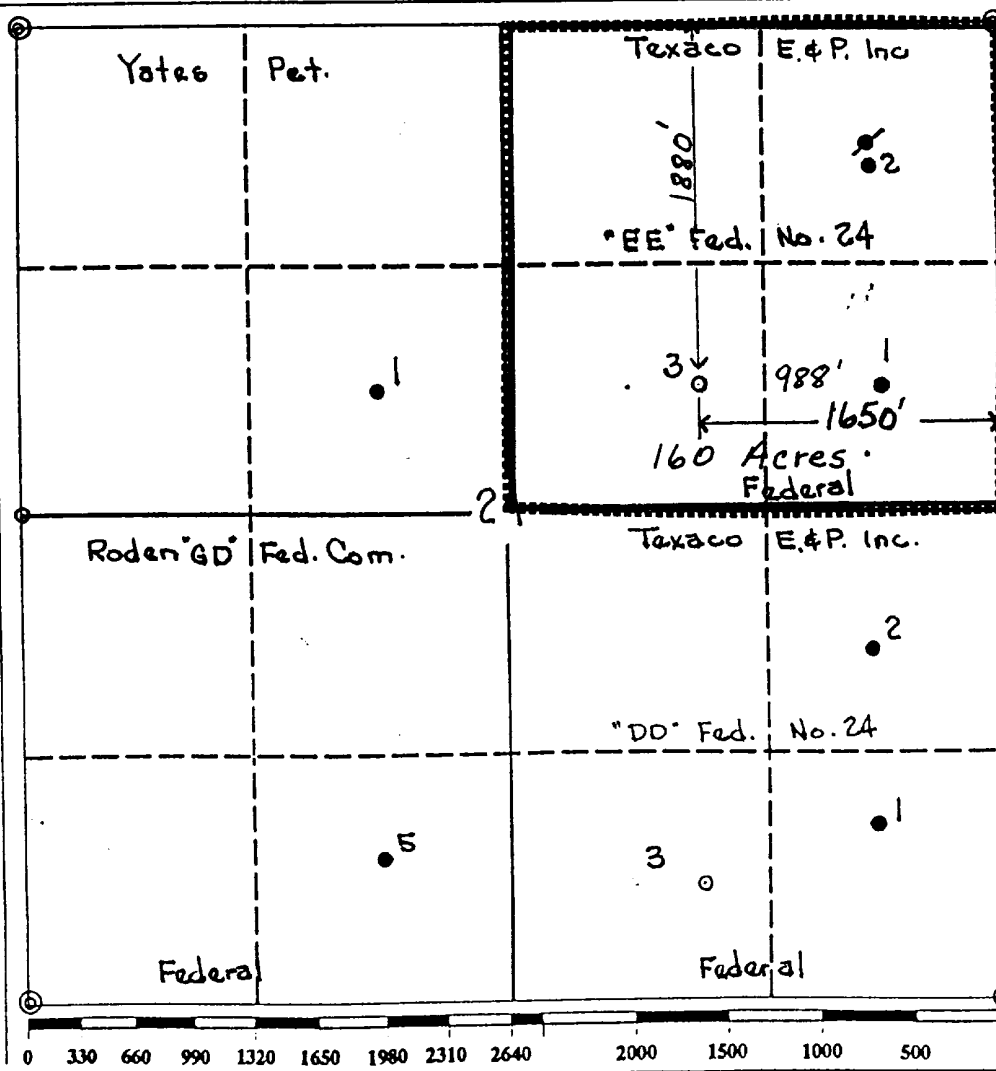
Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

7254 John S. Piper

Sheet **8** of **8**



① = Fd 2 or 3" I. Pipe w/ GLO BC ○ = Fd 1" I. Pipe w/GLO BC.

ANTICIPATED WATER, OIL, GAS AND MINERAL
BEARING FORMATIONS

Lease: "EE" Federal -24- Well No: 3
Location: 1880' FNL, 1650' FEL, Sec. 24, T-19-S, R-24-E
County: Eddy State: New Mexico Elevation: GR-3598'
Proposed TD: 8000'

Formation Tops

<u>Depth</u>	<u>Formation</u>	<u>Oil</u>	<u>Gas</u>	<u>Water</u>	<u>Lithology</u>
0-487'	Queen, Seven Rv.				Sand, Dolo.
487'	San Andres				Dolomite
1942'	Glorieta				Dolomite
4062'	Abo				Dolomite
5312'	Wolfcamp				Limestone
7497'	Canyon	X			Limest., Dolo.

Geologic Description

The surface geology of this area consists of a thin veil of Quaternary age alluvium with outcrops of Permian Queen-Seven Rivers. Vegetation consists mainly of scrub oak, mesquite and range grasses.

There is no salt section in this area.

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

No abnormal pressures or temperatures are anticipated to be encountered in this well. H₂S is present in the Canyon Pay. H₂S RADIUS OF EXPOSURE: 100ppm = 423', 500ppm = 194', based on 11000ppm H₂S and 900 MCF (see attached H₂S Drilling Operations Plan. H₂S equipment to be operational prior to drilling out Surface Casing Shoe.) GR-CAL-CNL-LDT, GR-CAL-DLL-MSFL, CBIL and GR-BHC-SONIC surveys will be run.

Centralizer Program

Surface Casing: Centralize bottom three joints and every 4th joint to surface.

Production Casing: Centralize every other joint across bottom 600' and above and below DV Tool.

"EE" Federal -24- Well No. 3

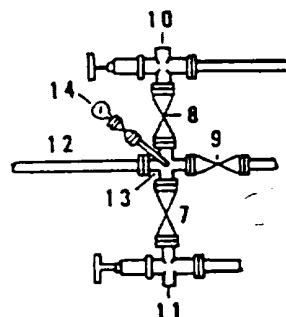
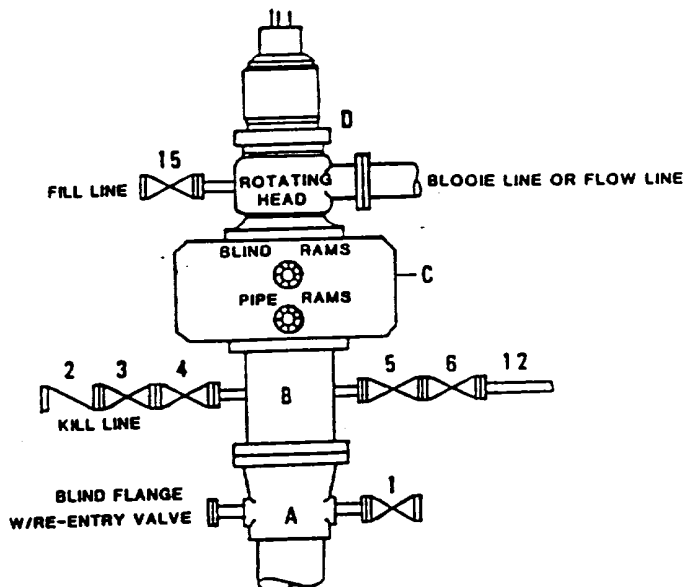
Mud Program

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0 -1100'	Fresh Water	8.4	28
1100'-7400'	Fresh Water	8.4	28
7400'-8000'	Starch	8.8	30

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**

H₂S 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,
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.	ORIG. NO.
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			

EXHIBIT C

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

EE FEDERAL "24" NO. 3
1880 FNL & 1650 FEL SECTION 24,
TWP. 19 SOUTH, RANGE 24 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

LOCATED: 15.5 miles Southwesterly of Artesia, New Mexico

FEDERAL LEASE NUMBER: NM-58023

LEASE ISSUED: Lease is in a producing status

ACRES IN LEASE: 160

RECORD LESSEE: TEXACO EXPLORATION AND PRODUCTION, Inc.

SURFACE OWNERSHIP: USA

GRAZING PERMITTEE: Mr. Harold Houghtling
P. O. Box 234
Artesia, New Mexico 88210
(505) 746-4435

POOL: Cisco-Canyon (Dagger Draw Upper Penn., North)

POOL RULES: Field Rules are for no wells to be located closer than 330' to any quarter-quarter section, and to be 660' from the lease line. This well will share allowable production with "EE" Federal 1 and 2.

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 the junction of the existing resource road with Eddy County Road No. 29 within the subject lease, being 15.5 miles Southerly on U.S. Highway 285 from Artesia or 20 miles Northerly of Carlsbad, 6.1 miles Westerly on Eddy County Road No. 23, and 2.7 miles North and Northwesterly on Eddy County Road No. 29.

From Point "A" an existing Texaco Resource Road (shown in Pink on Exhibit "A") will be utilized Westerly for approximately 200 feet to Point "B". From this point a new resource road will be constructed as described below.

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 815 feet Westerly (Shown in Red 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 less than one percent will be encountered ascending from Point "B" 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 required.

G. Cuts and Fills: A slight amount of leveling will be required.

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 produces will be transported by a 2 or 2 1/2" steel surface flowline (shown in Green on Exhibit "A") to the "DD" Federal 24 Battery as shown on Exhibit A.

B. An electric power line will be built to service this well as shown in orange on Exhibit "A".

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 an existing pit in the SW/4 of Section 17, T-19-S, R-24-E, Eddy County, New Mexico. It will be transported to the proposed road and well site by the existing access and 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, 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 South with average slopes of approximately 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, 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: Seven Rivers is located approximately 3600 feet South of the proposed well location.

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 or K. S. Hillman
Division Drilling Operations Managers
Texaco Exploration and Production, Inc.
P. O. Box 3109
Midland, Texas 79701
Office Phone: (915) 688-4620 or 688-4640

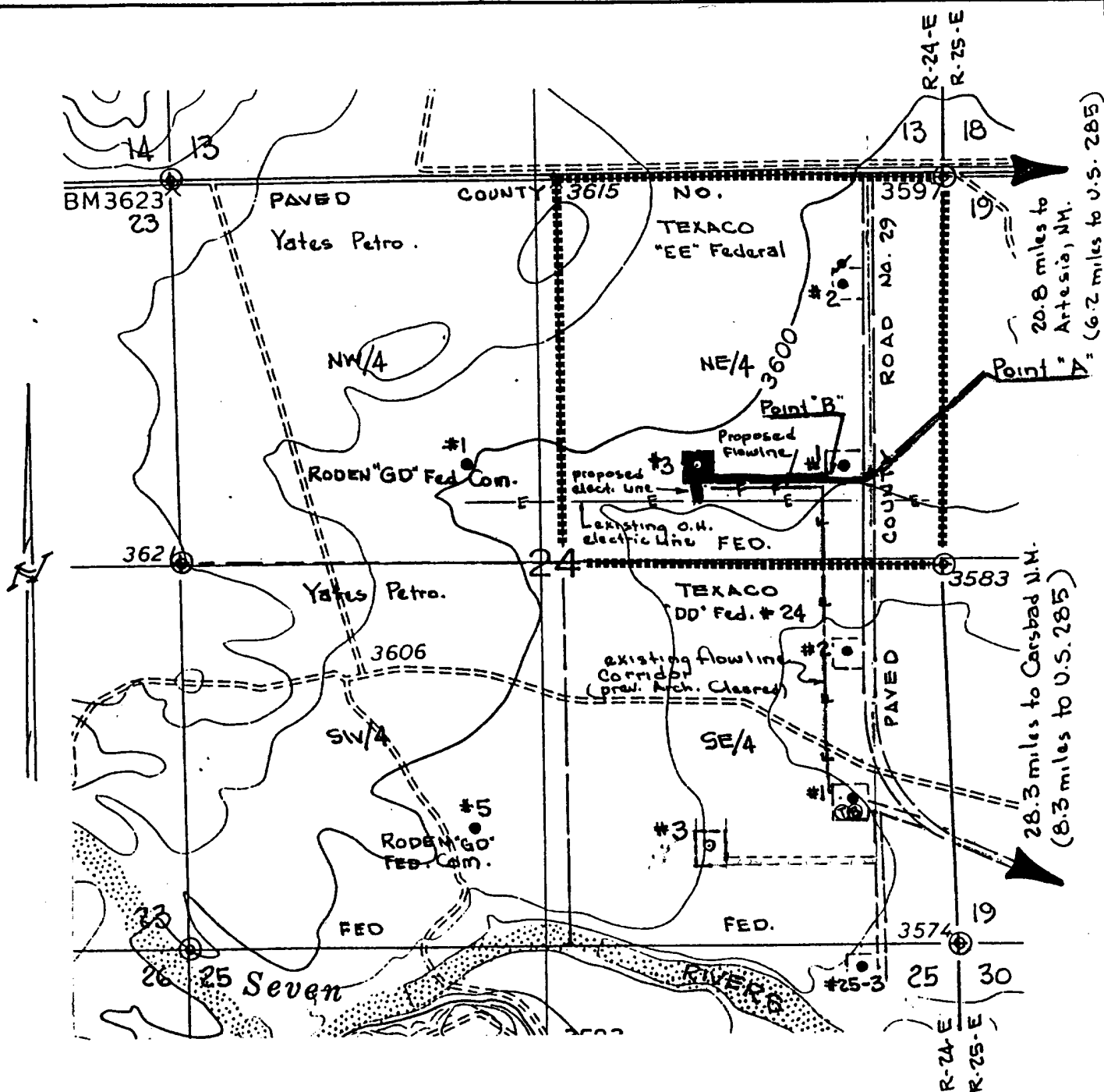
CERTIFICATION

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.

10-6-92
Date


C. P. Basham or K. S. Hillman
Division Drilling Operations Manager
Midland, Texas

Enclosures
jsp



LEGEND OF SYMBOLS

- = Access Road (Yellow)
- = Resource Road on Subject Lease (Pink)
- = Proposed Resource Road on Lease (Red)
- = Proposed O.H. Electric Line (Orange)
- = Proposed Flowline (Green)
- Q = Staked Location
- = Producing Well
- = Fd. 1" Iron Pipe w/GLO Brass Cap
- ⊙ = Found 2 or 3" Iron Pipe w/GLO Brass cap
- ===== = Lease Boundary Line

EXHIBIT "A"

ACCESS ROAD AND FACILITIES MAP

TEXACO EXPLORATION AND PRODUCTION, Inc.

FE Federal 24 #3
1880 FNL & 1650 FEL, Section 24, T-19-S,
R-24-E, NMPM, Eddy County, New Mexico

Drawn by: J. S. Piper

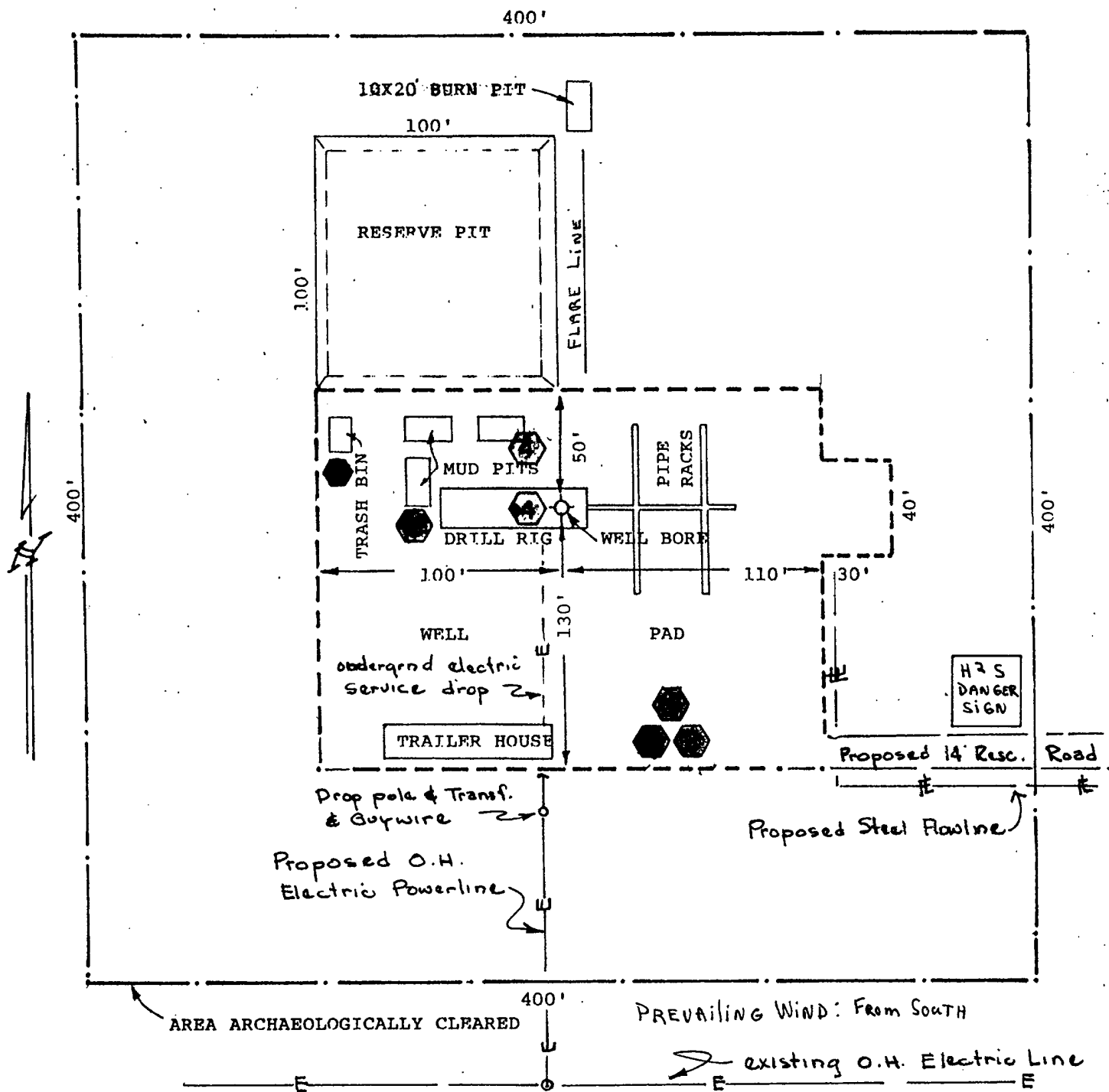
Scale: 1" = 1000 Feet

Date: November 5, 1992

Checked by: D. Ballew

Supervisor: R.D. Mariott

Sheet 6 of 8



H₂S DRILLING OPERATION PLAN





-  Briefing Station
-  Flare Gun/Flares
-  Windsocks
-  H₂S Detectors, -Shale Shaker, Rotating Head, Rig Floor

EXHIBIT "B" DRILLING RIG LAYOUT

TEXACO EXPLORATION AND PRODUCTION INC.

EE Federal "24" #3
1880 FNL & 1650 FEL, Section 24, T-19-S
R-24-E, NMPM, Eddy County, New Mexico

Drawn by: J. S. Piper

Scale: 1" = 60'

Date: October 27, 1992

Checked by: D. Ballew

Sheet 7 of 8

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

EE FEDERAL "24" WELL No. 3

RADIUS OF EXPOSURE

100 PPM: 423 feet

500 PPM: 194 feet

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 I

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

EXHIBIT II

Topographic map of location and surrounding area.

EXHIBIT III

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 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 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 at the primary briefing station.

Communications for the location will be by Rig Telephone.

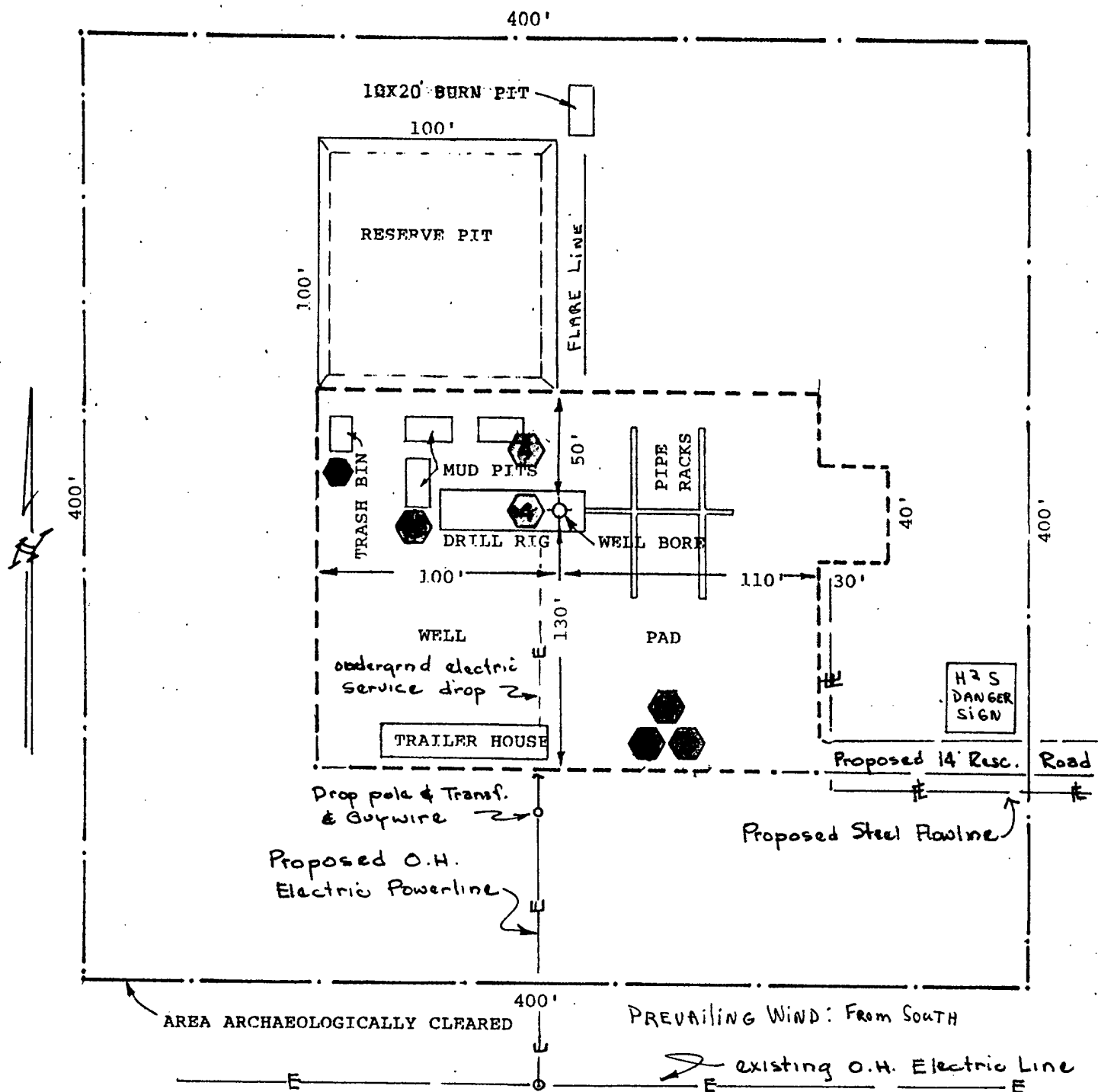
Wind direction indicators will be on the rig floor and at one briefing station with at least one visible from all points on the location.

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

A remote controlled choke will be installed, tested, and operational prior to drilling below the surface casing.

WELL TESTING

No DST's are planned.



H₂S DRILLING OPERATION PLAN





-  Briefing Station
-  Flare Gun/Flares
-  Windsocks
-  H₂S Detectors, -Shale Shaker, Rotating Head, Rig Floor

EXHIBIT "B" DRILLING RIG LAYOUT

TEXACO EXPLORATION AND PRODUCTION INC.

EE Federal "24" #3
1880 FNL & 1650 FEL, Section 24, T-19-S
R-24-E, NMPM, Eddy County, New Mexico

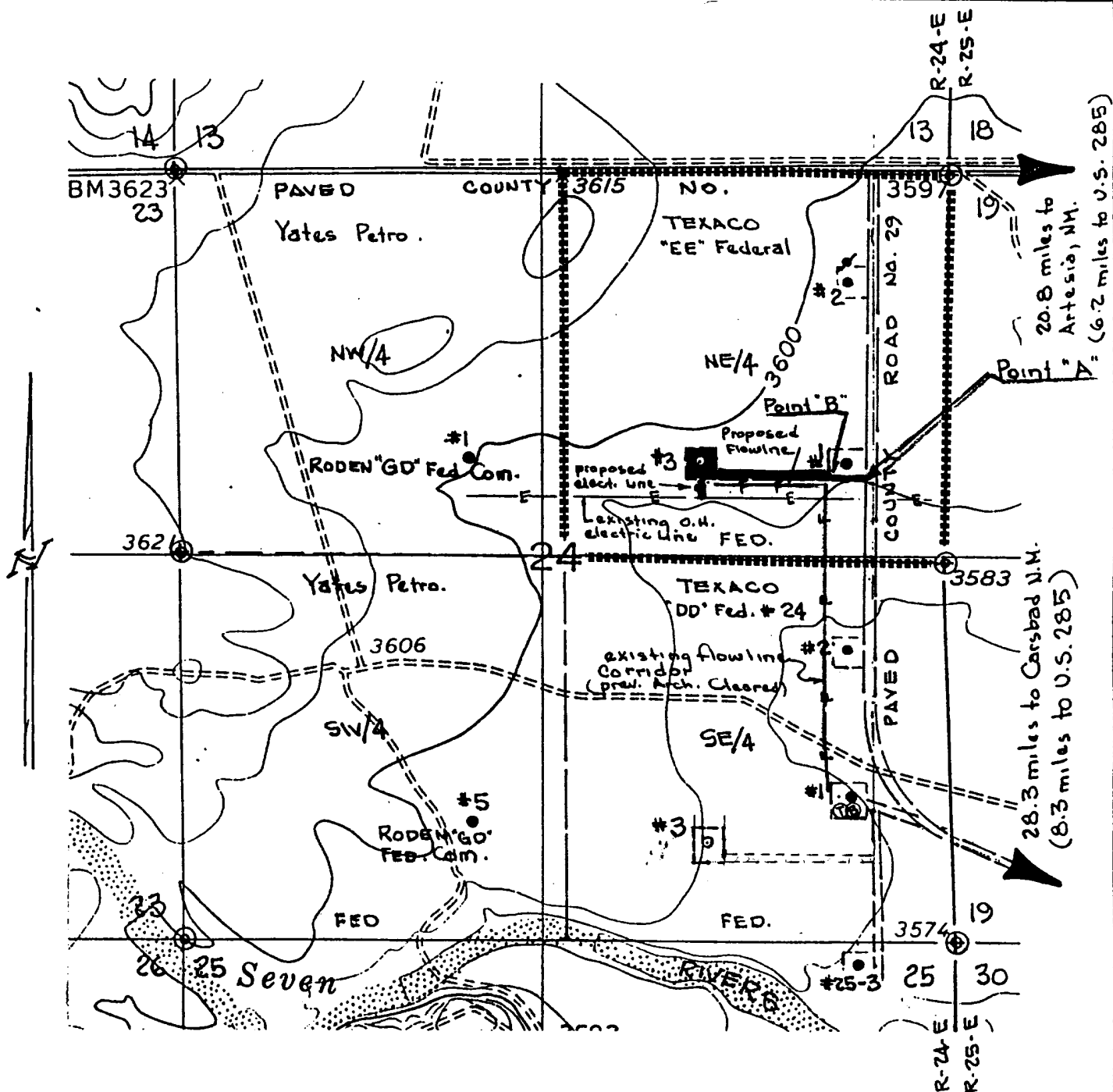
Drawn by: J. S. Piper

Scale: 1" = 60'

Date: October 27, 1992

Checked by: D. Ballew

Sheet 7 of 8



LEGEND OF SYMBOLS

- = Access Road (Yellow)
- = Resource Road on Subject Lease (Pink)
- = Proposed Resource Road on Lease (Red)
- = Proposed O.H. Electric Line (Orange)
- = Proposed Flowline (Green)
- = Staked Location
- = Producing Well
- = Fd. 1" Iron Pipe w/GLO Brass Cap
- ⊙ = Found 2 or 3" Iron Pipe w/GLO Brass cap
- = Lease Boundary Line

EXHIBIT "A" ACCESS ROAD AND FACILITIES MAP

TEXACO EXPLORATION AND PRODUCTION, Inc.

FE Federal 24 #3
1880 FNL & 1650 FEL, Section 24, T-19-S,
R-24-E, NMPM, Eddy County, New Mexico

Drawn by: J. S. Piper

Scale: 1" = 1000 Feet

Date: November 5, 1992

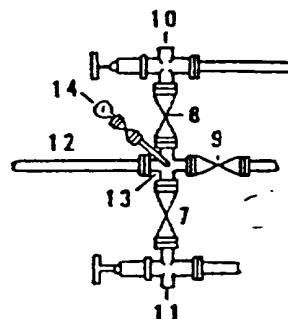
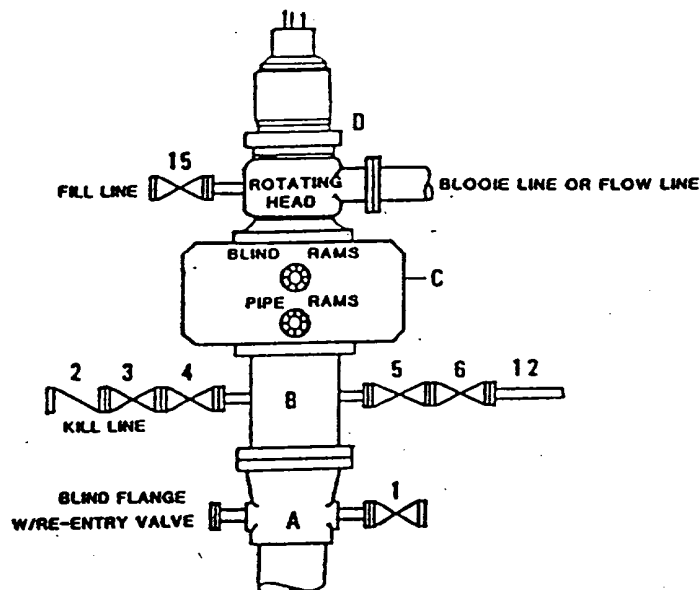
Checked by: D. Ballew

Supervisor: R.D. Mariott

Sheet 6 of 8

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

H₂S 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 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.	ORD. NO.
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT C