

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-21425

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

5. LEASE DESIGNATION AND SERIAL NO.  
**NOO-C-14-20-2727**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Navajo Tribe "BP"**

9. WELL NO.  
**8**

10. FIELD AND POOL, OR WILDCAT  
**Tocito Dome Per. D ext**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 26-T26N-R18W**

2. NAME OF OPERATOR  
**Texaco Inc. Attention: T. Bliss**

3. ADDRESS OF OPERATOR  
**P. O. Box 2100, Denver, Colorado 80201**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface **SW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 26**  
 At proposed prod. zone **660' FSL, 660' FWL, Sec. 26**

12. COUNTY OR PARISH | 13. STATE  
**San Juan | N. Mex.**

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

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**160 (Second Well)**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **Approx. 1900'**

19. PROPOSED DEPTH  
**6405'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

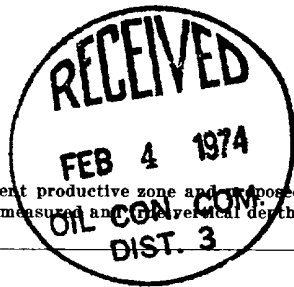
21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5595' Gr.**

22. APPROX. DATE WORK WILL START\*  
**2-15-74**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	New 13-3/8"	48# H-40	100'	Circ to surface
12-1/4"	New 9-5/8"	40# K-55	1600'	Circ to surface
8-5/8"	New 7"	26# K-55	6405'	Cmt to 600' above pay zone

Propose to drill subject well to increase oil recovery from Tocito Dome Field. Samples will be taken at 10' intervals from 3600' to TD. A 60' core is planned in the Barker Creek. Logs will be run from surface casing to TD. Prospective zones will be perforated and treated as necessary. Blowout preventer equipment will be as indicated on the attached Exhibit, and will be tested at regular intervals. Necessary steps will be taken to protect the environment.



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 *T. Bliss* TITLE **District Superintendent** DATE **Feb. 1, 1974**  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

USGS (3) Farmington OGCC (2) Aztec TB ARM CGH The Navajo Tribe

\*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.

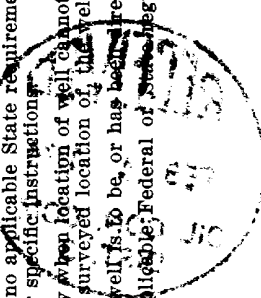
**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 wells 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.



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**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

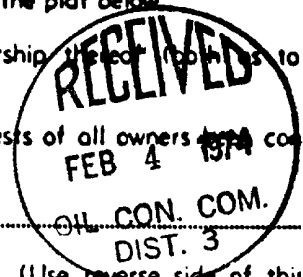
Operator <b>TEXACO, INC.</b>		Lease <b>Navajo Tribe "BP"</b>			Well No. <b>8</b>
Unit Letter <b>M</b>	Section <b>26</b>	Township <b>26 North</b>	Range <b>18 West</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>660 feet from the South line and 660 feet from the West line</b>					
Ground Level Elev. <b>5595</b>	Producing Formation <b>Pennsylvanian</b>		Pool <b>Tocito Dome Penn "D" Ext</b>	Dedicated Acreage: <b>160</b>	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership (except pooling to working interest and royalty),
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners ~~not~~ 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 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 interests, has been approved by the Commission.



**CERTIFICATION**

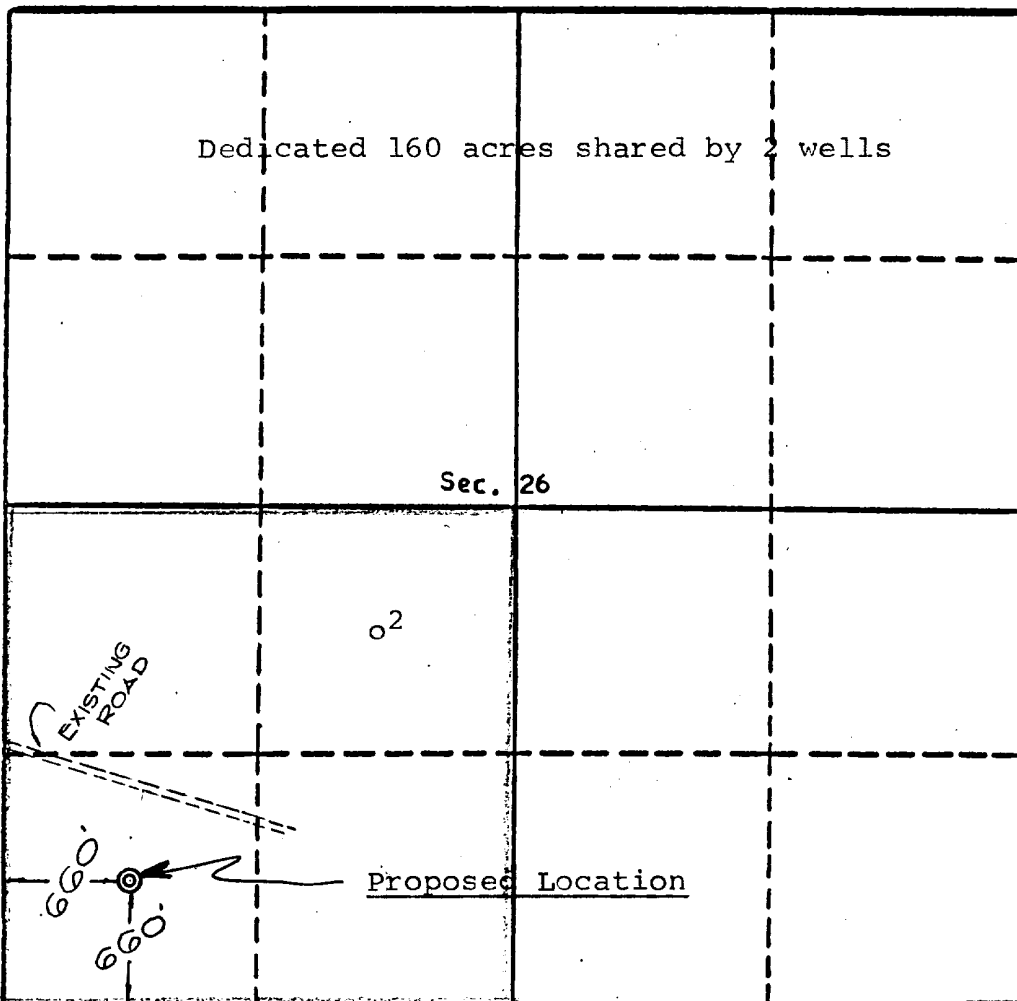
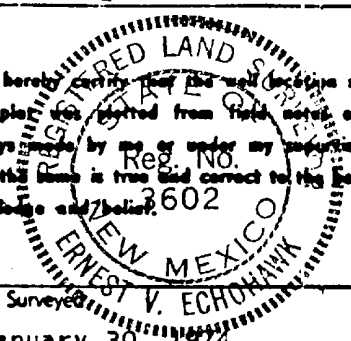
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Tommie Bliss*  
Name  
**Tommie Bliss**  
Position  
**District Superintendent**  
Company  
**Texaco Inc.**  
Date  
**February 1, 1974**

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 30, 1974**  
Registered Professional Engineer  
and/or Land Surveyor

*E. V. Echhawk*  
Certificate No. **3602**  
**E. V. Echhawk LS**



Scale, 1 inch = 1,000 feet

**Minimum equipment requirements are:**

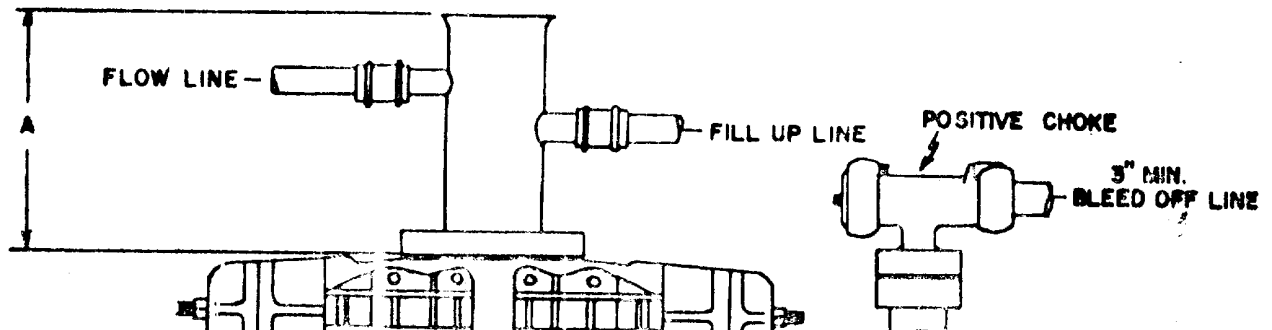
1. Blowout preventers must be capable of being operated both mechanically and hydraulically. Controls must be located so that the blowout preventer can be operated outside the drilling rig substructure. All steel tubing and connections must be used between the hydraulic controls and the blowout preventer.

2. Pressure rating of the blowout preventer and associated connections must be proportional to depth and pressure expectations. Use Figure 1 as a guide in unknown areas. *10" SERIES 600*

3. Distance "A" must be sufficient to accommodate a Hydril preventer if required.

4. Chokes, valves, manifold piping and kill line must be flanged and designed equal to or above the pressure rating of the blowout preventer.

5. Kelly cock must be used at all times and should be checked daily.





PETROLEUM PRODUCTS

PRODUCING DEPARTMENT  
ROCKY MOUNTAINS-U. S.  
DENVER DIVISION

TEXACO INC.  
P. O. BOX 8100  
DENVER, COLORADO 80201

January 31, 1974

NAVAJO TRIBE "BP" NO. 8  
SW $\frac{1}{4}$ SW $\frac{1}{4}$  SEC. 26, T26N, R18W  
SAN JUAN COUNTY, NEW MEXICO  
6.34

Mr. P. T. McGrath (3)  
District Engineer  
U. S. Geological Survey  
P. O. Box 959  
Farmington, New Mexico 87401

Dear Mr. McGrath:

As requested by your office, the Surface Use Development Plan for Navajo Tribe "BP" No. 8, San Juan County, New Mexico, is as follows:

1. Existing roads and exit to the location are shown on the attached plat.
2. Approximately two-tenths mile of access road will be required as shown on attached plat. The road surface will be compacted soil.
3. Nearest producing well is located 1,300' to the northeast in Section 26.
4. Lateral roads in the vicinity of the location are shown on the attached plat.
5. The flowline for the proposed well will run to an existing battery located one mile to the west of the location (see attached plat).
6. Water for drilling operations will be obtained from the bradenhead annulus of Texaco's Navajo Tribe "AL" No. 2, located one mile to the southwest.



PETROLEUM PRODUCTS

TEXACO INC.  
P.O. BOX 8100  
DENVER, COLORADO 80201

INDUSTRIAL DEPARTMENT  
PROPERTY INVESTIGATION  
DENVER DIVISION

JANUARY 11, 1974

NAVJO TRIP "BB" NO. 2  
TRIP NO. 101, 102, 103, 104  
NAVJO TRIP "BB" NO. 2

Mr. J. J. ...  
District ...  
U. S. Geological Survey  
P.O. Box 100  
Denver, Colorado 80201  
Dear Mr. ...

As requested by your office, the following is a description of the Navjo Trip "BB" No. 2, an ... in ... as follows:

1. ... on the ...
2. Approximately two ... of ... will be ... as shown on attached ...
3. ... in ...
4. ...
5. The ... for the proposed well will ... an existing battery located ... (see attached ...)
6. ... will be ...
7. The ... of ... will be ...

January 31, 1974

7. All waste material will be contained by earthen and steel pits. Earthen pits are to be subsequently backfilled and buried.
8. No separate drill campsites are proposed.
9. There are no FAA registered airstrips in the vicinity of the location.
10. The drillsite location will be laid bare and will be approximately 250' x 300'. Proper grading will be used to control erosion on the location. A plat showing the location and rig layout is attached.
11. All surfaces not used in normal well servicing and maintenance will be cleaned and graded, where necessary.
12. The wellsite is located on gentle sloping, sandy, barren ground, with widely scattered clumps of sage brush, and/or tumbleweeds.

Very truly yours,

  
Tommie Bliss

District Superintendent

FME:WH

Attach.

cc: Board of Oil & Gas Conservation  
1000 Rio Brazos Road  
Aztec, New Mexico 87501

1. The first part of the document is a letter from the...

2. The second part of the document is a letter from the...

3. The third part of the document is a letter from the...

4. The fourth part of the document is a letter from the...

5. The fifth part of the document is a letter from the...

6. The sixth part of the document is a letter from the...

*[Handwritten signature]*

7. The seventh part of the document is a letter from the...

8. The eighth part of the document is a letter from the...

9. The ninth part of the document is a letter from the...

10. The tenth part of the document is a letter from the...



R 18 W

SINCLAIR

T 27 N

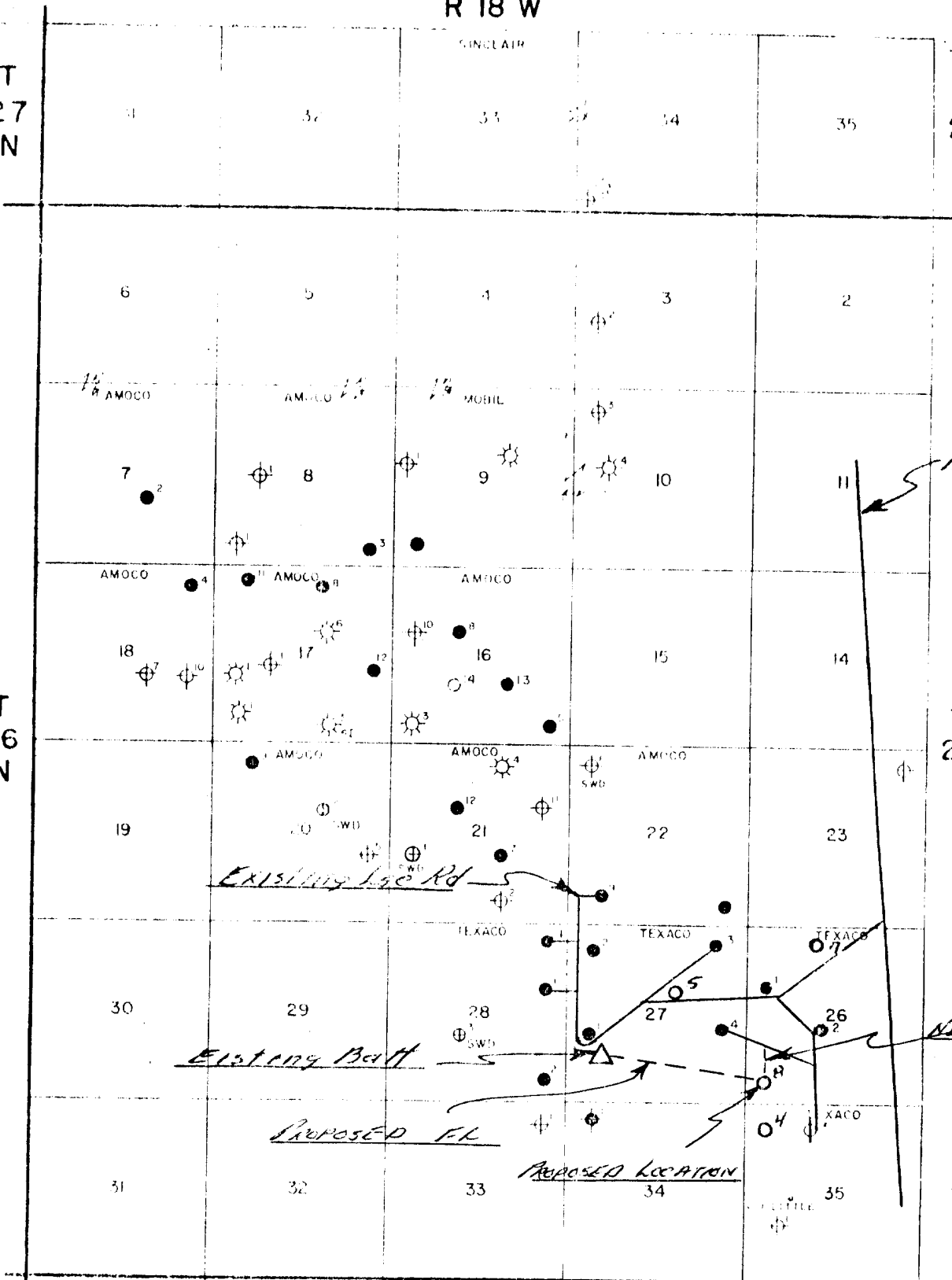
T 27 N

T 26 N

T 26 N

T 25 N

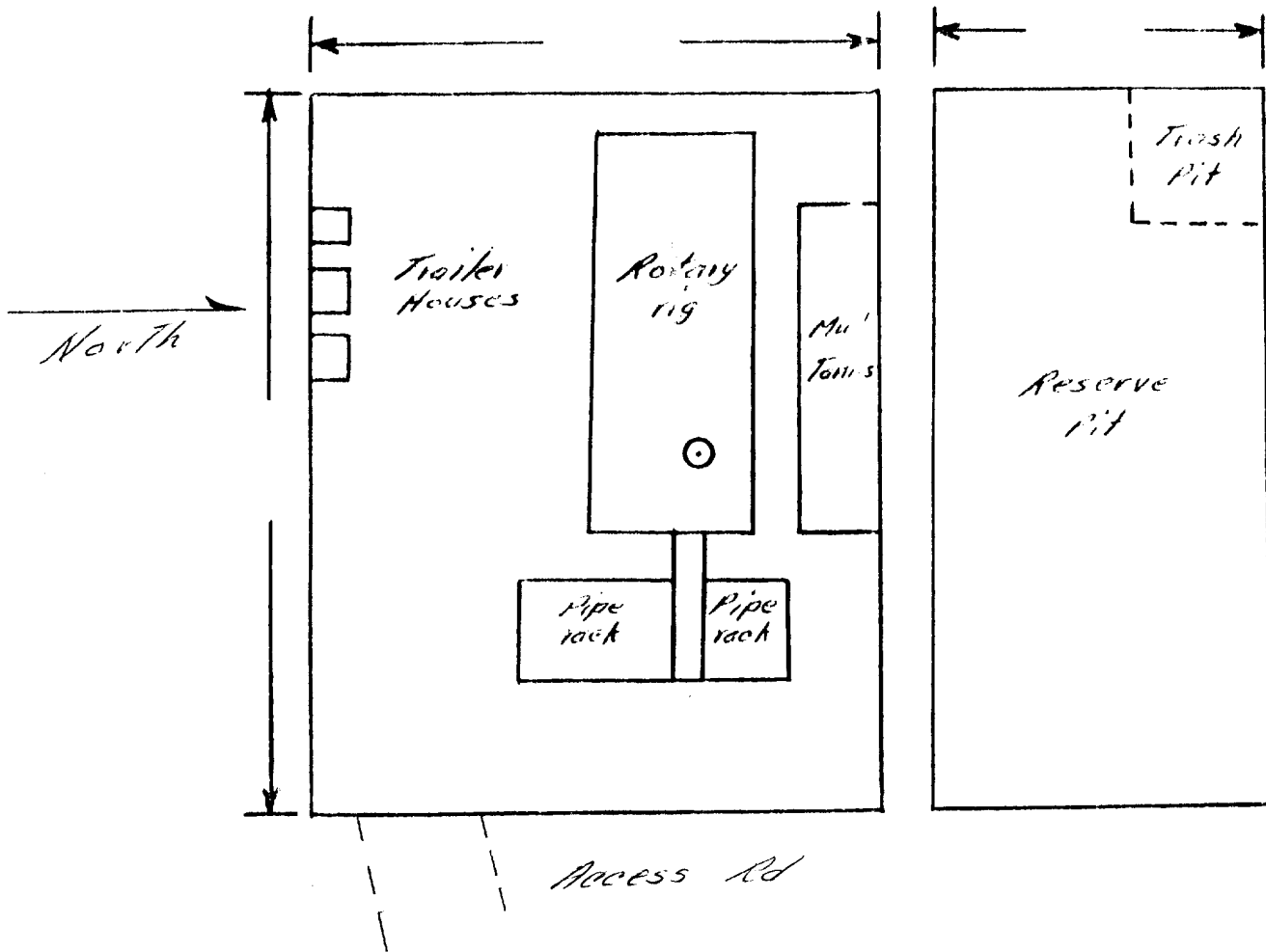
R 18 W



*NAVAJO TRIBE LP #8*

TEXACO INC.  
TOCITO DOME FIELD  
SAN JUAN COUNTY, NEW MEXICO



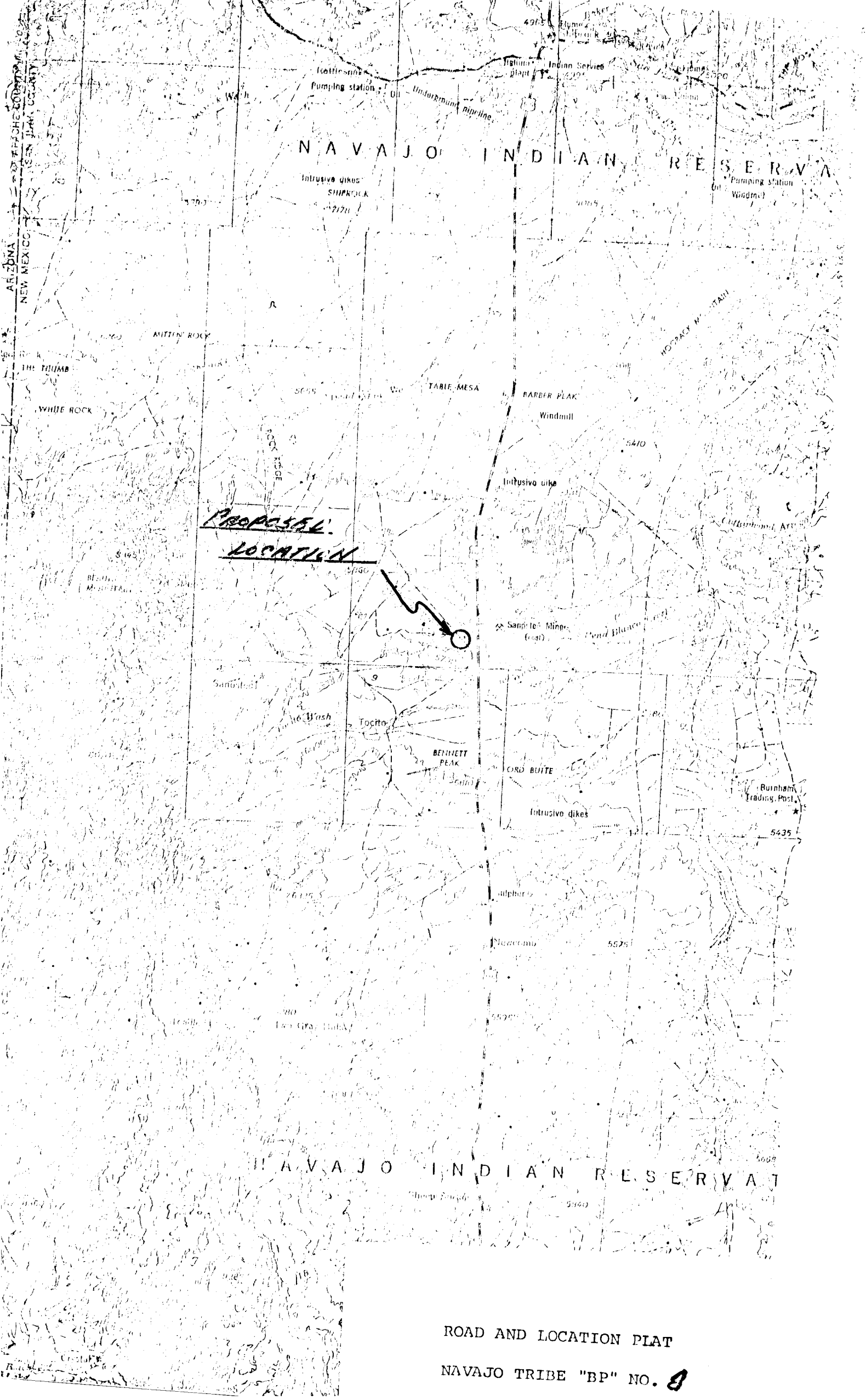


- A. Drilling pad will be compacted soil.
- B. Surface is gentle sloping, sandy, barren ground with scattered sage brush and/or tumbleweeds.

LOCATION AND RIG LAYOUT PLAT

NAVAJO TRIBE "BP" NO. 8

SAN JUAN COUNTY, NEW MEXICO



PROPOSED  
LOCATION



ROAD AND LOCATION PLAT

NAVAJO TRIBE "BP" NO. 8